

ANNUAL REPORT

2015 - 2016



**MAHARASHTRA ANIMAL AND
FISHERY SCIENCES UNIVERSITY, NAGPUR**



ANNUAL REPORT 2015-2016

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PREFACE



Prof. A. K. Misra
Vice-Chancellor

I have the honor to present Annual Report of Maharashtra Animal & Fishery Sciences University, Nagpur for the year 2015-16 reflecting some of the remarkable achievements of the University in the field of education, research and extension.

Education is the principle mandate of the University in diverse branches of Veterinary Medicine, Animal & Fishery sciences and Dairy Technology. University is always in the fore front for upgrading, improving and setting high standards with financial support from Indian Council of Agricultural Research (ICAR) and State Government. University is taking every effort for providing quality education to the students. We have emphasized to make the education more skill based, problem solving and self exploratory. All the constituent colleges are therefore equipped adequately with the infrastructural facilities required for imparting quality education and further advancement in learning. I am extremely happy to share that after inspection and considering its infrastructure and other facilities available in different veterinary colleges, Veterinary Council of India, New Delhi, has increased intake capacity of B.V.Sc. and A.H. students from 68 to 100 at Mumbai, 71 to 80 at Nagpur, 63 to 80 at Parbhani, 32 to 64 at Udgir and 32 to 60 at Shirwal.

The students of constituent colleges of the University have consistently registered excellent performance at All India ICAR JRF Test, during the year 2015-16. Total of 71 students have qualified the test. Vitthal Jadhav, student of Dairy Technology College, Warud stood first in All India Entrance Examination for admission (AIEEA) to the PG Degree programme conducted by ICAR.

Convocation is an opportunity for all of us to come together, share responsibilities and resolve to move forward. It was indeed a momentous occasion that for the 7th convocation of the University, Hon'ble Governor of Maharashtra and the Chancellor for the University Shri. C. Vidyasagar Rao who despite of his busy schedule benevolently accepted an invitation to bless our passing out students. This was the maiden visit of Hon'ble Chancellor to grace the convocation in the history of the University. It was a matter of privilege and honour for me that the convocation was addressed by Hon'ble Dr. Mangala Rai, an eminent teacher, researcher, policy maker and great agriculture scientist of the country and former Secretary, DARE & Director General, ICAR and the Vice-Chancellor, G.B. Pant University of Agriculture & Technology.

I am pleased to mention that the overall proportion of girl students in the University is approximately 40%. In the convocation 441 students including 285 graduates, 150 post-graduates, and 06 doctoral students received the degrees. Apart from this, 24 gold medals and 8 silver medals were awarded to the students for their outstanding academic performance. I am very glad to mention that more than 42% medals have been grabbed by the girl student's and would like to particularly mention two names here, Ms. Thomas Eunice from Bombay Veterinary College, Mumbai who won total 8 medals including 7 gold and 1 silver and Shri Pranav Chauhan from Nagpur Veterinary College, Nagpur who won total 7 medals including two gold and five silver.

One of the remarkable achievements of the



University this year has been creation of major infrastructural facilities at different constituent colleges though Rashtriya Krishi Vikas Yojna Grants viz. at Nagpur Veterinary college and at Post-Graduate Institute of Veterinary & Animal Sciences, Akola establishment of Poultry Training Centre; at College of Veterinary & Animal Sciences, Udgir, Feed testing laboratory. The state of art facilities equipped with advanced equipments for rapid diseased diagnosis eg. MALDI TOF has been created at Nagpur Veterinary College, Nagpur. This facility is also available in Udgir College and unique of its kind in the country has added a feather in the cap of MAFSU. The University has received Rs. 32.00 lakhs from ICAR for establishment and experimental learning unit at Bombay Veterinary College, Mumbai.

It is a matter of pride for me that the University has completed a total of 26 research projects worth Rs. 653.34 lakhs, 36 sponsored research projects with a total outlay of Rs. 2681.32 lakhs funded by International, National, State & Private agencies are in progress in constituent colleges.

Extension Education and training plays an important role in transfer of technology to benefit rural masses and to train unemployed youths for self-employment. The University is working in close co-ordination with state department of Animal Husbandry, Dairy Development, Fisheries, Agriculture, Banks and NGO's. The University has applied for five additional KVKS sanctioned to the state in the districts viz. Nagpur, Jalna, Kolhapur, Sangli and Thane.

The University has successfully implemented project on "Unnat Bharat Abhiyan" with Ministry of Human Resource and ICAR. Under this abhiyan four programmes were organized to train 120 trainees in Animal Husbandry practices for sustainable livelihood of rural masses. In view of strengthening the morals of farmers in suicide prone areas of Vidarbha and Marathwada regions of Maharashtra State, the university has initiated farmer's awareness campaign for promoting livestock keeping as a promising livelihood alternative in 1000 villages. Total number of villages covered till 31st March, 2016 are 824.

The University has commissioned the services of 6 animal ambulances in the whole state of Maharashtra. The ambulances are well equipped with all facilities including hydraulic platform for carrying the large animals.

MAFSU has celebrated "Jai Kisan-Jai Vigyan" week by felicitating progressive farmers from dairy, poultry, goatry, fishery & dairy technology sectors from various regions of the Maharashtra for their contributions in these sectors.

The engineering department of the University is now handling ongoing works worth Rs. 881.23 lakhs. It has successfully completed work worth Rs. 186.02 lakhs. The construction of new Girls Hostel under Babu Jagjiwanram Chatravas Yojana and International student's hostel at Nagpur are the biggest achievements of the wing.

The University employees including class-IV have responded positively to contribute one day salary to Chief Minister Relief Fund to offer help to drought affected people of the state and also as a relief measure to Nepal Earthquake victims. A cheque amounting to Rs. 22,46,069/- was handed over to Hon'ble Chief-Minister Shri Devendra Fadnavis.

Faculties and students were excelled in various fields and were awarded/felicitated by Govt. and Non-Govt. organization. I proudly received, "Fellow of National Academy of Agricultural Sciences" at the hands of Prof. M.S. Swaminathan for the outstanding work in Veterinary Field during Silver Jubilee Function (2nd to 5th June, 2015) of National Academy of Agricultural Sciences, New Delhi.

I wish to thank Government of Maharashtra and ICAR for providing funds to accomplish goal of achieving mandated domains of Education, Research and Extension. I am also thankful to DBT, DST, ICMR, ATMA, RKVY, RGS&TC and BAARC for sanction of research grants to the University. I am also thankful to Hon'ble Executive Council for timely suggestions and help extended in the endeavor.

I wish to extend my thanks to editorial board of this Annual Report 2015-16 for timely completion of Annual Report.

Prof. A. K. Misra



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1

EXECUTIVE SUMMARY

The state of Maharashtra is bestowed with rich and diverse animal resources. For sustainable management, conservation and augmentation of these animal and fishery resources, Maharashtra Animal & Fishery Sciences University (MAFSU) was established under the state Act 1998 (MAH. XVII of 1998) on 3rd December, 2000 with its head quarter at Nagpur.

The University has been carved out of the four Agricultural Universities in the State by transferring five Veterinary Colleges, one Post Graduate Institute of Veterinary Science and one Dairy Technology College. Considering the need for developing human resource in fishery sciences as well as in dairy technology, University established two new colleges of fishery sciences, one at Nagpur in 2006 and another at Udgir in 2006. Similarly one dairy technology college was established at Udgir in 2008.

The University offers three undergraduate programmes in the faculty of Veterinary Science (B.V.Sc. & A.H.), Dairy Technology (B.Tech) and Fisheries (B.F.Sc.), post graduate programmes (M.V.Sc.) and doctorate programme (Ph.D.) in the faculty of Veterinary and Animal Sciences. For Veterinary Sciences, the course contents are periodically updated as per minimum standards of veterinary education laid down by Veterinary Council of India. For B.Tech and B.F.Sc. degree programmes the course contents are periodically updated as per the

recommendations of Dean's Committee of Indian Council of Agricultural Research (ICAR). The Post-Graduate programme is of two years duration (four semesters). Doctoral degree programme for the regular candidates is of three years (six semesters) duration and for in service candidates the duration is of four years (eight semesters). The common academic regulations, course curriculum and syllabi for post graduate (Master's and Doctoral) education recommended by the Education Division ICAR, 2009 is followed in the University.

The faculty of Lower Education offers two years diploma course "Livestock Management and Diary Production" for promoting entrepreneurship through affiliated 103 diploma schools recognized by the University in different parts of the state.

Scholarships and fellowships are awarded to academically meritorious students. The Govt. is providing financial assistance to economically poor and backward class students as freeships. The students of constituent colleges of the University have consistently registered excellent performance at All India ICAR-JRF test. During the year 2015-16, total of 71 students have qualified the test and Shri Vithal Jadhav secured first rank in Dairy Science stream at All India Level.

University is encouraging the students to participate in various students' welfare activities viz. Inter-



University Sports/cultural festival/Avishkar (Research competitions) and NSS activities. Special NSS camps organized at village level as a part of training. The University has received Rs. 32.00 lakhs from ICAR for establishment of experiential learning unit on goat at Bombay Veterinary College, Mumbai.

The Seventh Convocation of University was held on 20th April 2015. Dr. Mangala Rai, Ex-DG and Secretary, ICAR, presently Hon'ble Vice-Chancellor, G. B. Pant University of Agriculture and Technology, Pantnagar, Uttarakhand had delivered the convocation address. Shri Vidyasagar Rao, Hon'ble Chancellor of the University and Governor of Maharashtra was the Chief Guest. In this grand ceremony degrees were conferred upon a total of 441 candidates including 285 graduates, 150 Post-graduates and 06 Doctoral candidates. Apart from these 24 gold medals & 08 Silver medals were given to the students for their outstanding academic performance.

The University has given utmost priority to research aimed at enhancing the quality and productivity of livestock and allied sectors to make these sectors competitive. 36 sponsored research projects with a total outlay of Rs. 2681.32 lakhs funded by various national, state and private agencies are in progress in constituent colleges. A total of 26 research projects worth Rs. 653.34 lakhs were completed. We have been able to create an excellent infrastructural facilities from the grants received under RKVY for training and demonstration centres on commercial poultry farming projects at Nagpur, Akola worth Rs. 253 lakhs.

Extension Education and Training plays an important role in transfer of technology to benefit rural masses and to train unemployed youth for self-employment. The University is working in close co-ordination with State Department of Animal Husbandry, Dairy Development, Fisheries, Agriculture, Banks and NGO's. The University has applied for five additional KVKS sanctioned to the state in the districts, Nagpur, Jalna, Kolhapur, Sangli and Thane.

The University is actively participating in various exhibitions being organized across the state. The University has participated in 38 exhibitions, 688 farmer's scientist's interactions were guided by the faculty of the University, five extension related surveys were completed during 2015-16. 38 demonstrations were organized at the farmer's doorsteps. Hospital and ambulatory services are provided for medical treatment, surgical operations, Gynecological examinations and artificial inseminations. Total cases

attended during the year are 1,00,912 including vaccination. Akashwani and Doordarshan broadcasted and telecasted 177 episodes on Animal Husbandry, Dairy Technology, Poultry, Fisheries in Marathi. Besides this, AIR Nagpur broadcasted 13 serials in Marathi to popularize and implement Goat Husbandry practices for sustainable livelihood.

The University has successfully implemented project on "Unnat Bharat Abhiyan" with Ministry of Human Resources and ICAR. Under this abhiyan four programmes were organized to train 120 trainees in Animal Husbandry practices for sustainable livelihood of rural masses. In view of strengthening the morals of farmers in suicide prone areas of Vidarbha and Marathwada regions of Maharashtra State, the University has initiated farmer's awareness campaign for promoting livestock keeping as a promising livelihood alternative in 1000 villages. Total number of villages covered till 31st March, 2016 are 824. Expected figure of 1000 villages would be covered by 15th Aug. 2016.

The University has commissioned the services of 6 animal ambulances in the whole state of Maharashtra. The ambulances are well equipped with all facilities including hydraulic platform for carrying the large animals. MAFSU has celebrated "Jai Kisan-Jai Vigyan" week by felicitating progressive farmers from dairy, poultry, goatry, fishery & dairy technology sectors from various regions of the Maharashtra for their contributions in these sectors.

The engineering department of the University has successfully completed work worth rupees 186.02 lakhs. This wing of the University is now handling ongoing works worth Rs. 881.23 lakhs. The construction of Girls Hostel under Babu Jagjiwanram Chatravas Yojana and International Student's Hostel worth Rs.2.75 crore at veterinary college, Nagpur are the biggest achievements of the wing.

Awards were given to Academic faculty working in MAFSU for their excellent work in Education, Research & Extension by giving Best Teacher, Best Researcher and Best Extension Worker Award. Faculties and students were excelled in various fields and were awarded/ felicitated by Govt. and Non-Govt organizations.

Our worthy Hon'ble Vice-Chancellor Prof. A.K. Misra awarded as the "Fellow of National Academy of Agricultural Sciences" at the hands of Dr. M. S. Swaminathan for the outstanding work in Veterinary Field during Silver Jubilee Function (02nd to 05th June 2015) of National Academy of Agricultural Sciences, New Delhi.



2

MANDATE OF THE UNIVERSITY

- To impart education in diverse branches of Veterinary Medicine, Animal, Fishery Sciences and Dairy Technology for further advancement in learning and prosecution of research in these areas.
- To undertake extension programmes in these sciences to benefit rural farmers in cooperation and in close coordination with state departments of Animal Husbandry, Dairy Development and Fisheries, Govt. of Maharashtra; NGOs.
- To provide techno-businessmen to generate direct employment.
- To train unemployed youths for employment generation.



3

UNIVERSITY AUTHORITIES

A) Executive Council

B) Academic Council

C) The Faculties

- Faculty of Veterinary and Animal Sciences
- Faculty of Fishery Sciences
- Faculty of Dairy Technology
- Faculty of Lower Education

D) Board of Studies (BOS)

- Faculty of Veterinary and Animal Sciences – 18 BOS
- Faculty of Dairy Technology – 06 BOS
- Faculty of Fisheries – 06 BOS

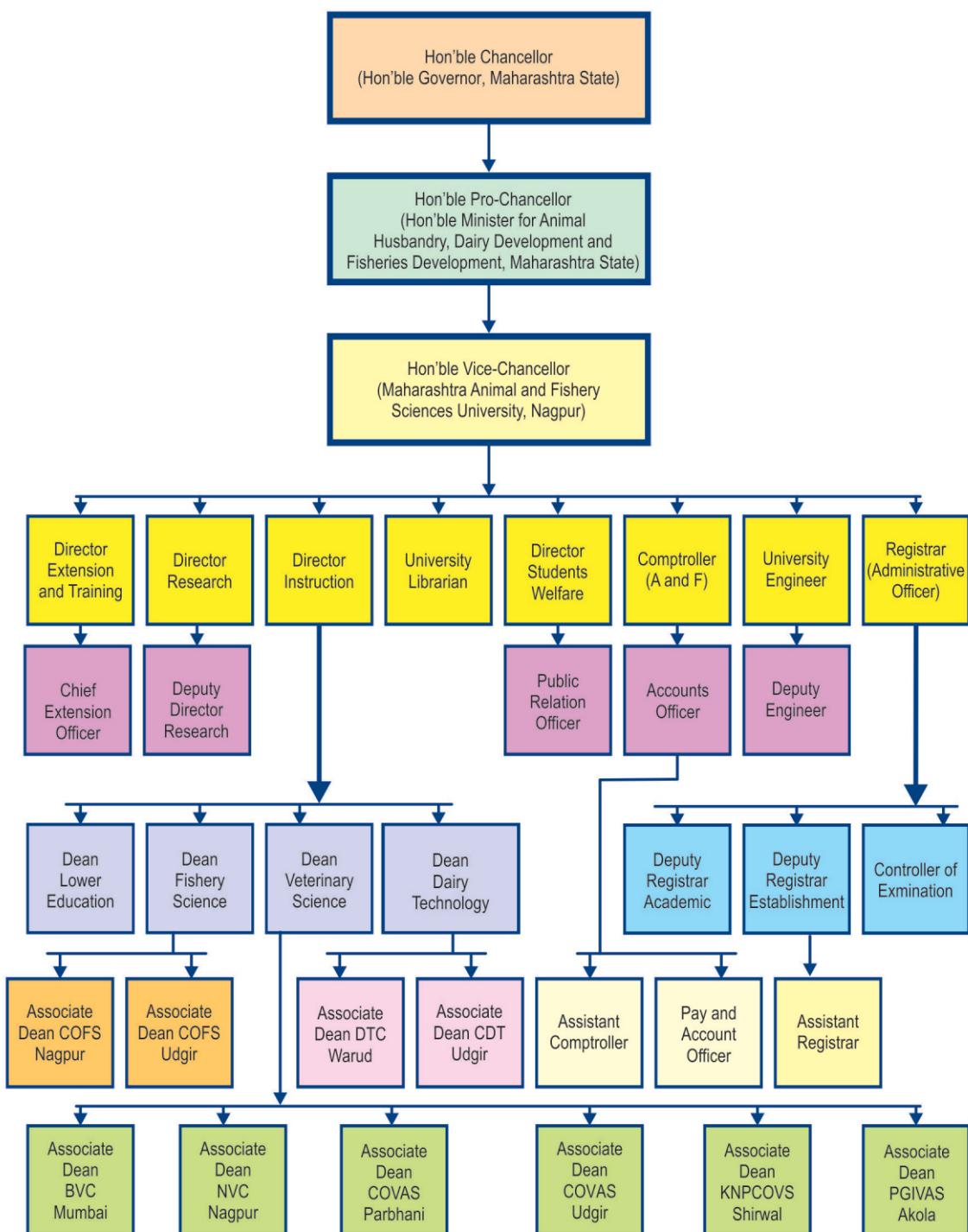
E) Other Authorities of the University

- Research Council
- Extension and Continuing Education Council
- Advisory Council of Associate Deans of Constituent Colleges (10 Colleges)
- Board of Examination
- Grievance Committee for the University Employees
- Standing Committee for Finance, Budget, Development and Planning
- Committee for Library and Information Center
- Student's Welfare Committee
- University Employees Welfare Committee



3.A.

ORGANOGRAM





3. B. EXECUTIVE COUNCIL MEMBERS

The Executive council is the chief executive body of the university. The Vice Chancellor is the ex-officio Chairman and Registrar is ex-officio Secretary to the Executive Council. The Executive Council consists of following members.

**Executive Council Members
2015-16**

Sr.No.	Name/Designation	
1.	Prof. A. K. Misra Hon'ble Vice-Chancellor, Maharashtra Animal & Fishery Sciences University, Futala Lake Road, Nagpur-01	Chairman
2.	Commissioner of Animal Husbandry (M.S) Central Building, Pune –411 001	Member
3.	Commissioner of Fishery Development (M.S) Administrative Building, 2 nd Floor, Near Chetna College, Bandra, (E) Mumbai - 400 051.	Member
4.	Commissioner of Dairy Development (M.S) Administrative Building, Abdul Gafar Khan Marg Worli, Sea. Face Mumbai – 400 018	Member
5.	Commissioner, Agriculture (M.S) Central Building, Pune –411 001	Member
6.	Chief Conservator of Forests and Field Director Pench Tiger Project, Nagpur, Near Govt. Press, Civil Lines, Nagpur - 440 001	Member
7.	Conservator of Forests & Field Director, Navegaon Nagzira Wild Life Sanctuary, Gondia, Balaghat Road, Bopache Complex, - 441614	Member
8.	Shri. Arunkumar Narayanrao Patil Managing Director, Dairyplant.com, E/603, Nirman Palace, Rajmata Jijamata Marg, Opp. PNB Pump House, Andheri (East), Mumbai- 400 093	Member
9.	Dr. V.V. Kulkarni Director, National Research Centre on Meat Chengicherla, P.B. No. 19, Bodouppal P.O. Hyderabad - 500 092	Member
10.	Dr. Sanjay K. Gavkare General Manager, (Technical), Ventri Biologicals, Vaccine Division, Venkateshwara Hatcheries Pvt. Ltd. P.O. Girinagar, Pune- 411 025	Member
11.	Dr. Rajiv Raman Bhatkar Aquaculture and Fisheries Consultant 9, Pushkar, B.W. Pathare Marg, Dadar (W), Mumbai – 400 028	Member



Sr.No.	Name/Designation	
12.	Dr. (Smt) Mandakini Prakash Amte Lok Biradari Prakalp, Hemalkasa, Post : Bhamragad, Dist : Gadchiroli-442 710	Member
13.	Dr. Rahul Vedprakash Patil Hon'ble MLA and Chairman Shankar Sahakari Dudh Vyawsayik Sanstha, CIDCO, N-3, Plot No 138, Shiwai, Aurangabad-430110	Member
14.	Shri. Rajesh Gajanan Wankhede Om Gurudev Chandani Chowk, A/P: Sawada, Tal: Raver, Dist: Jalgaon-425 502	Member
15.	Shri. Baburao Uttam Bhosale A/P Shivajinagar, Tal. Kadegaon Dist. Sangali-416416	Member
16.	Shri. Mukund Nagnath Dongare A/P. Mangarul, Tal. Tuljapur, Dist. Osmanabad-413501	Member
17.	Shri. Bashir Amin Murtuza 1076, R. C. Church Road, Bazarpeth, Ratnagiri, Tal. & Dist. Ratnagiri-415612	Member
18.	Dr. Rashmi Arora Scientist 'G' and Head Division of Epidemiology and Communicable diseases, Indian Council of Medical Research, V. Ramalingaswami Bhawan, Ansari Nagar, Post Box 4911, New Delhi- 110 029.	Member
	Dr. G. S. Toteja Scientist 'G' and Head (Nutrition), Indian Council of Medical Research, V. Ramalingaswami Bhawan, Ansari Nagar, Post Box 4911, New Delhi- 110 029	Member
19.	Dr. S. K. Agarwal Director, Central Institute for Research on Goats Makhdoom, PO, Farah, Mathura – 281122 (UP)	Member
20.	Dr. V. P. Singh Director, National Institute of High Security Animal Diseases Anand Nagar, Bhopal – 462022 (MP)	Member
21.	Dr. Bhagwan Ashok Satale Satale Medical and General Stores Shivaji Chowk, Gangapur District- Aurangabad - 430 110 (MS)	Member



Sr.No.	Name/Designation	
22.	Dr. D. R. Kalorey Dean, Faculty of Veterinary Science, Maharashtra Animal & Fishery Sciences University, Nagpur-1	Member
	Dr. M. V. Joshi Dean, Faculty of Veterinary Science, Maharashtra Animal & Fishery Sciences University, Nagpur-1	Member
23.	Dr. N. N. Zade Dean, Faculty of Lower Education Maharashtra Animal & Fishery Sciences University, Nagpur-1	Member
	Dr. M. V. Joshi Dean, Faculty of Lower Education Maharashtra Animal & Fishery Sciences University, Nagpur-1	Member
24.	Dr. S. P. Changade Dean, Faculty of Dairy Technology Maharashtra Animal & Fishery Sciences University, Nagpur-1	Member
25.	Dr. R. S. Dalvi Dean, Faculty of Fishery Sciences Maharashtra Animal & Fishery Sciences University, Nagpur-1	Member
26.	Dr. N. N. Zade Director of Extension Maharashtra Animal & Fishery Sciences University, Nagpur-1	Member
27.	Dr. D. R. Kalorey Director of Research Maharashtra Animal & Fishery Sciences University, Nagpur-1	Member
	Dr. M. V. Joshi Director of Research Maharashtra Animal & Fishery Sciences University, Nagpur-1	Member
28.	Shri V. V. Rane Registrar, Maharashtra Animal & Fishery Sciences University, Nagpur-1	Secretary
	Dr. M. L. Gatne Registrar, Maharashtra Animal & Fishery Sciences University, Nagpur-1	



3 C. ACADEMIC COUNCIL MEMBERS

The Academic council of the University serves as an advisory body and have right to advice Vice-Chancellor and the Executive council in all Academic, Research and Extension Education matters. The Vice-Chancellor is the ex -officio Chairman and Registrar is ex-officio Secretary to the Academic council.

**Academic Council Members
2015-16**

Sr. No	Name/Designation	
1.	Prof. A. K. Misra Hon'ble Vice-Chancellor, Maharashtra Animal & Fishery Sciences University, Nagpur - 440 001	Chairman
2.	Dr. D. R. Kalorey Director of Research, Maharashtra Animal & Fishery Sciences University, Nagpur - 440 001	Member
	Dr. M. V. Joshi Director of Research Maharashtra Animal & Fishery Sciences University, Nagpur-1	
3.	Dr. N. N. Zade Director of Extension & Training Maharashtra Animal & Fishery Sciences University, Nagpur - 440 001	Member
4.	Dr. D. R. Kalorey Dean, Faculty of Veterinary Sciences, Maharashtra Animal & Fishery Sciences University, Nagpur - 440 001	Member
	Dr. M. V. Joshi Dean, Faculty of Veterinary Sciences, Maharashtra Animal & Fishery Sciences University, Nagpur - 440 001	
5.	Dr. N. N. Zade Dean, Faculty of Lower Education Maharashtra Animal & Fishery Sciences University, Nagpur - 440 001	Member
	Dr. M. V. Joshi Dean, Faculty of Lower Education Maharashtra Animal & Fishery Sciences University, Nagpur - 440 001	
6.	Dr. S. P. Changade Dean, Faculty of Dairy Technology Maharashtra Animal & Fishery Sciences University, Nagpur-1	Member



Sr. No	Name/Designation	
7.	Dr. R.S. Dalvi Dean, Faculty of Fishery Science, Maharashtra Animal & Fishery Sciences University, Nagpur - 440 001	Member
8.	Dr. S.T. Hande VCI Nominee, Camp Office, Bombay Veterinary College, Mumbai - 400012	Member
9.	Dr. A. M. Paturkar Associate Dean, Bombay Veterinary College, Mumbai - 400012	Member
10.	Dr. C. R. Jangade Associate Dean, Nagpur Veterinary College, Nagpur - 440 006	Member
	Dr. N. P. Dakshinkar Associate Dean, Nagpur Veterinary College, Nagpur - 440 006	Member
11.	Dr. Sharmila B. Majee Associate Dean, College of Veterinary & Animal Sciences, Parbhani - 431402	Member
12.	Dr. A. G. Karpe Associate Dean, College of Veterinary & Animal Sciences, Udgir, Dist : Latur - 413517	Member
13.	Dr. A. S. Bannalikar Associate Dean, KNP College of Veterinary & Animal Sciences, Shirwal, Dist. Satara - 412801	Member
14.	Dr. R. S. Dalvi Associate Dean, College of Fishery Sciences, Telangkhedi, Nagpur - 440001	Member
15.	Dr. A. G. Karpe Associate Dean, College of Fishery Science, Udgir Dist – Latur – 413517	Member
	Dr. A. P. Somkuwar Associate Dean, College of Fishery Science, Udgir Dist – Latur – 413517	Member
16.	Dr. H. S. Birade Associate Dean, Post Graduate Institute of Veterinary & Animal Sciences, Krushi Nagar, Akola – 444104	Member
17.	Dr. S. P. Changade Associate Dean, Dairy Technology College, Warud (Pusad), Dist – Yeotmal	Member



Sr. No	Name/Designation	
18.	Dr. M. R. Patil Associate Dean, Dairy Technology College, Udgir	Member
19.	Dr. G. B. Deshmukh Head of Department, Animal Nutrition, College of Veterinary & Animal Sciences, Udgir, Dist. Latur - 413517	Member
20.	Dr. A. S. Bannalikar Head of Department, Veterinary Microbiology, KNP College of Veterinary & Animal Sciences, Shirwal, Dist – Satara – 412801	Member
21.	Dr. R.S. Dalvi Head of Department, Veterinary Anatomy, Histology & Embryology, Nagpur Veterinary College, Seminary Hills, Nagpur – 440 006	Member
22.	Dr. S. S. Kulkarni Head of Department, Veterinary Physiology, College of Veterinary & Animal Sciences, Udgir, Dist – Latur – 413517	Member
23.	Dr. N.P. Dakshinkar Head of Department, Clinical Veterinary Medicine including Ethics and Jurisprudence Nagpur Veterinary College, Nagpur-440006	Member
24.	Dr. A.S. Ranade Head of Department, Poultry Science, Bombay Veterinary College, Parel, Mumbai – 400012	Member
25.	Dr. M. L. Gatne Head of Department, Veterinary Parasitology, Bombay Veterinary College, Parel, Mumbai – 400012	Member
26.	Dr. S. D. Deshpande Veterinary Biochemistry including Clinical Biochemistry, College of Veterinary & Animal Sciences, Parbhani- 431402	Member
27.	Dr. C.R. Jangde Head of Department, Veterinary Pharmacology & Toxicology, Nagpur Veterinary College, Nagpur-440006	Member



Sr. No	Name/Designation	
28.	Dr. S. A. Bakshi Head of Department, Animal Reproduction, Gynaecology and Obstetrics, Bombay Veterinary College, Mumbai - 12	Member
29.	Dr. H. S. Birade Head of Department, Animal Reproduction, Gynaecology and Obstetrics, Post Graduate Institute of Veterinary & Animal Sciences, Krushi Nagar, Akola - 444104	Member
30.	Dr. P. T. Jadhao Head of Department, Veterinary Surgery and Radiology, Nagpur Veterinary College, Seminary Hills, Nagpur-440 006	Member
31.	Dr. R. K. Ambadkar Head of Department, Livestock Products Technology, Nagpur Veterinary College, Nagpur-440006	Member
32.	Dr. S. U. Digraskar, Head of Department, Veterinary Epidemiology and Preventive Medicine, College of Veterinary & Animal Sciences, Parbhani- 431402	Member
33.	Dr. V. V. Bantia Head of Department, Veterinary and Animal Husbandry Extension, Nagpur Veterinary College, Nagpur-440006	Member
34.	Dr. S. P. Changade Head Department of Dairy Technology Dairy Technology College, Warud (Pusad), Dist-Yeotmal-445204	Member
35.	Dr. P. G. Wasnik Head Department of Dairy Engineering, Dairy Technology College, Warud (Pusad), Dist-Yeotmal-445204	Member
36.	Dr. M.R. Patil Head of Department, Dairy Chemistry, Biochemistry and Food Technology, Dairy Technology College, Warud (Pusad), Dist-Yeotmal-445204	Member
	Shri. R. S. Walse Head of Department, Computer Science, Mathematics and Statistics, Dairy Technology College, Warud (Pusad), Dist-Yeotmal-445204	Member



Sr. No	Name/Designation	
37.	Shri. G. N. Narnaware Head of Department Dairy Economics, Extension & Management, Dairy Technology College, Warud (Pusad), Dist-Yeotmal - 445204	Member
38.	Shri. B. R. Kharatmol Head of Department, Fisheries Biology, College of Fishery Science, Nagpur - 06	Member
39.	Shri. S. S. Belsare Head of Department, Aquaculture, College of Fishery Science, Nagpur - 06	Member
40.	Shri. A. T. Tandale Head of Department, Fisheries Processing Technology & Microbiology, College of Fishery Science, Udgir - 413517	Member
41.	Shri. S. B. Gore Head of Department, Fisheries Engineering, College of Fishery Science, Nagpur - 06	Member
42.	Dr. P. A. Telvekar Head of Department, Fisheries Resources, Economics, Statistic & Extension Education, College of Fishery Science, Nagpur - 06	Member
43.	Dr. J.G.K. Pathan Head of Department, Fishery Hydrography, College of Fishery Science, Nagpur - 06	Member
44.	Shri. V. V. Rane Registrar, Maharashtra Animal & Fishery Sciences University, Nagpur - 1	Secretary
	Dr. M. L. Gatne Registrar, Maharashtra Animal & Fishery Sciences University, Nagpur - 1	

3.D. THE FACULTIES

- 3.D.1. Faculty of Veterinary Science
- 3.D.2. Faculty of Dairy Technology
- 3.D.3. Faculty of Fishery Science
- 3.D.4. Faculty of Lower Education



3.E. BOARD OF STUDIES

3.E.1. Faculty of Veterinary and Animal Sciences

- 3(E)1.a Veterinary Anatomy, Histology and Embryology
- 3(E)1.b Veterinary Physiology
- 3(E)1.c Veterinary Biochemistry including Clinical Biochemistry
- 3(E)1.d Veterinary Pharmacology and Toxicology
- 3(E)1.e Veterinary Parasitology
- 3(E)1.f Veterinary Microbiology & Biotechnology
- 3(E)1.g Veterinary Pathology
- 3(E)1.h Veterinary Public Health
- 3(E)1.i Animal Nutrition
- 3(E)1.j Animal Breeding and Genetics including Biostatistics
- 3(E)1.k Livestock Production and Management
- 3(E)1.l Livestock Products Technology
- 3(E)1.m Animal Reproduction, Gynecology and Obstetrics
- 3(E)1.n Veterinary Surgery and Radiology
- 3(E)1.o Clinical Veterinary Medicine including Ethics and Jurisprudence
- 3(E)1.p Veterinary Epidemiology and Preventive Medicine
- 3(E)1.q Veterinary and Animal Husbandry Extension
- 3(E)1.r Poultry Science

3.E.2. Faculty of Dairy Technology

- 3(E)2.a Dairy Technology
- 3(E)2.b Dairy Engineering
- 3(E)2.c Dairy Chemistry, Biochemistry and Food Technology
- 3(E)2.d Dairy Microbiology
- 3(E)2.e Dairy Economics, Dairy Extension and Management
- 3(E)2.f Computer Science, Mathematics and Statistics

3.E.3. Faculty of Fisheries

- 3(E)3.a Fisheries Biology
- 3(E)3.b Aquaculture
- 3(E)3.c Fisheries Technology
- 3(E)3.d Fisheries Engineering
- 3(E)3.e Fisheries Resources, Economics, Statistics and Extension Education
- 3(E)3.f Fishery Hydrography



3.F. OTHER AUTHORITIES

3.F.1. RESEARCH COUNCIL

Research Council constituted to serve as a think tank advisory body of the University and shall advise the Vice-Chancellor and Executive Council on all research matters. The Vice-Chancellor is the ex -officio Chairman and Director of Research is ex-officio Secretary to the Research Council.

Research Council Members

Sr.No.	Name & Address	
1.	Prof. A. K. Misra, Hon'ble Vice Chancellor MAFSU, Nagpur - 440001	Chairman
2.	Dr. D. R. Kalorey, Director of Instruction & Dean (Faculty of Veterinary Science) MAFSU, Nagpur - 440001	Member
3.	Commissioner of Animal Husbandry Govt. of Maharashtra, Department of Animal Husbandry, Aundh, Pune - 411007	Member
4.	Commissioner of Dairy Development Govt. of Maharashtra New Administrative Building, Abdul Gaffar Khan Road, Worli Seaface, Mumbai - 400018	Member
5.	Commissioner of Fisheries Taraporewala Aquarium, Netaji Subhash Road, Charni Road, Mumbai - 400002	Member
6.	Commissioner Agriculture Govt. of Maharashtra Commissionerate of Agriculture Maharashtra State, Central Building, 3 rd Floor, Pune - 411001	Member
7.	Dr. Gaya Prasad Asst. Director General (AH) Indian Council of Agricultural Research, 405 KB, Krishi Bhawan, Dr. Rajendra Prasad Road, New Delhi - 110114	Member
8.	Dr. Brijkishor Gupta Evaluating and Monitoring Officer, Central Zoo Authority, Ministry of Environment & Forests, Bikaner House, Annex VI, Shahjahan Road, New Delhi - 110011	Member
9.	Dr. Dinesh T. Bhosle Chairman CLFMA of India, 111, Mittal Chambers, 11 th Floor, 228, Nariman Point, Mumbai - 400021	Member



Sr.No.	Name & Address	
10.	Dr. D. M. Chavan Managing Director, Punyashlok Ahilyadevi Mendhi Va Sheli Vikas Mahamandal Ltd. Govt. of Maharashtra Undertaking, Mendhi Farm, Gokhle Nagar, Pune - 411016	Member
11.	Dr. M. R. Garg General Manager, National Dairy Development Board, PB. No. 40, Anand - 388001 (Gujarat)	Member
12.	Dr. Shiv Kumar Bhardwaj Poultry Federation of India, Skylark Hatcheries Pvt. Ltd. Near DAV School, Safidon, Gurgaon, Dist. Jind, (Haryana)	Member
13.	Shri. A. B. Patil Chairman, Maharashtra Aquaculture Farmer's Association, 103-B, Mittal Towers, Nariman Point, Mumbai - 400021	Member
14.	Dr. D. R. Kalorey Dean, Faculty of Veterinary Sciences, Maharashtra Animal & Fishery Sciences University, Futala Lake Road, Nagpur - 440 001	Member
	Dr. M. V. Joshi Dean, Faculty of Veterinary Sciences, Maharashtra Animal & Fishery Sciences University, Futala Lake Road, Nagpur - 440 001	Member
15.	Dr. N. N. Zade, Director of Extension Education and Training MAFSU, Nagpur - 440001	Member
16.	Dr. R. S. Dalvi, Dean, Faculty of Fishery Science MAFSU, Nagpur - 440001	Member
17.	Dr. S. P. Changade, Dean, Faculty of Dairy Technology MAFSU, Nagpur - 440001	Member
18.	Director of Research Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli, Ratnagiri - 415712	Member
19.	Director of Research Vasantrao Naik Marathwada Agriculture University, Parbhani - 431402	Member



Sr.No.	Name & Address	
20.	Director of Research Mahatma Phule Krishi Vidyapeeth, Rahuri - 413722	Member
21.	Director of Research Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Krishi Nagar, Akola - 444104	Member
22.	Dr. C.R. Jangde, Associate Dean, Nagpur Veterinary College, Nagpur - 440006	Member
	Dr. N. P. Dakshinkar, Associate Dean, Nagpur Veterinary College, Seminary Hills, High Land Drive, Nagpur - 440006	Member
23.	Dr. A. M. Paturkar, Associate Dean Bombay Veterinary College, Parel, Mumbai - 400 012	Member
24.	Dr. S. B. Majee, Associate Dean College of Veterinary & Animal Sciences, Parbhani - 431 402	Member
25.	Dr. A. G. Karpe, Associate Dean College of Veterinary & Animal Sciences, Udgir, District Latur - 413 517	Member
26.	Dr. A. S. Bannalikar, Associate Dean Kranti Singh Nanapatil College of Veterinary Sciences, Shirwal, Dist. Satara - 412801	Member
27.	Dr. H. S. Birade, Associate Dean Post Graduate Institute of Veterinary & Animal Sciences, Akola - 444 004	Member
28.	Shri. S. P. Changade, Associate Dean College of Dairy Technology, Pusad, District : Yavatmal - 445 204	Member
29.	Dr. M. R. Patil, Associate Dean College of Dairy Technology, Udgir, District : Latur - 413 517	Member
30.	Dr. R. S. Dalvi, Associate Dean College of Fishery Science, Nagpur - 440 001	Member



Sr.No.	Name & Address	
31.	Dr. A. G. Karpe, Associate Dean College of Veterinary & Animal Sciences, Udgir, District Latur - 413 517	Member
	Prof. A. P. Somkuwar, Associate Dean College of Fishery Science, Udgir, District : Latur - 413 517	Member
32.	Dr. M. V. Joshi, Director of Research MAFSU, Nagpur - 440001	Member Secretary
	Dr. D. R. Kalorey, Director of Research MAFSU, Nagpur - 440001	

3.F.2. EXTENSION AND CONTINUING EDUCATION COUNCIL

Extension and Continuing Education Council constituted to serve as a think tank advisory body of the University and shall advise the Vice-Chancellor and Executive Council on all extension education matters. The Vice-Chancellor is the ex - officio Chairman and Director of Extension and Training is ex-officio Secretary to the Extension and Continuing Education Council.

Sr.No.	Name & Address	
1.	Prof. A. K. Misra, Hon'ble Vice-Chancellor, MAFSU, Nagpur - 440001	Chairman
2.	The Secretary, Rural Development, M. S. Mantralaya, Mumbai - 400032	Member
3.	The Commissioner, Animal Husbandry, M.S. Opp. Spicer Memorial College, Aundh, Pune - 411007	Member
4.	The Commissioner, Dairy Development, M.S. Building, Abdul Gaffar khan Road, Worli Sea Face Mumbai - 400018	Member
5.	The Commissioner Fisheries, M.S., Tarapurwala Aquarium, Netaji Subhash Road, Marine Line, Mumbai	Member
6.	The Commissioner, Agriculture, M.S. Central Building, Pune - 411001	Member
7.	Dr. G K Sharma Deputy General Manager (AH) National Dairy Development Board, PB No - 40, Anand - 388 001 Gujarat State	Member



Sr.No.	Name & Address	
8.	Representative nominated by State Director General of the Prasar Bharati, Mumbai	Member
9.	Managing Director Punyashlok Ahilyadevi Sheep and Goat Development Board, Mendhifarm, Ghokale Nagar, Pune - 05	Member
10.	Dr. N. Sudhakar, Zonal Project Director, Hyderabad	Member
11.	Dr. Dinesh T. Bhosale Chairman, CLFMA of India Regional Sales Director, AB Vista South Asia, R- 303, Pimpale Gurav, Pune-411061	Member
12.	Dr. U. Rajkumar Senior Scientist, Project Directorate on Poultry, Rajendranagar, Hyderabad	Member
13.	Dr. Satish Kulkarni Principal Scientist and Head, National Dairy Research Institute, NDRI Campus, Adugodi, Bangalore - 560030	Member
14.	Mrs. Ranjana Sureshrao Padole Director, Dairy Federation and Director, Amaravati District Milk Producer Cooperative Society Ltd., Mahalaxmi Colony, Amaravati (M.S.)	Member
15.	Shri. Sunil Baburao Funde Director, Dairy Federation and Director, Bhandara District Milk Producer Cooperative Society Ltd., At post Sendurvafa, Tal-Sakoli, Dist Bhandara	Member
16.	Dr. (Mrs.) Tarannum Kadarbhai, 36, Dawal Manzil, Anand Nagar, Near Girvi Naka, Phaltan, District : Satara - 415 523 (Woman Social Worker nominated by Hon'ble Vice-Chancellor)	Member
17.	Dr. Jaydeep Nikam Associate Professor, School of Continuing Education, Yashwantrao Chavan Maharashtra Open University, Near Gangapur Dam, Nasik - 422222	Member
18.	Representative nominated by Vice-Chancellor, Indira Gandhi National Open University, New Delhi - 110 068	Member



Sr.No.	Name & Address	
19.	Shri. Ganesh Shankarrao Deshmukh at Post. Upshinge Military, Tah. Dist. Satara - 415518 (Progressive Dairyman nominated by Hon'ble Vice-Chancellor)	Member
20.	Dr. Sudhir Madhaorao Duddalwar, Amravati Road, Nagpur - 440033 (Progressive livestock breeder nominated by Hon'ble Vice-Chancellor)	Member
21.	Dr. D. R. Kalorey, Director (Research), MAFSU, Nagpur - 440001	Member
	Dr. M. V. Joshi, Director (Research), MAFSU, Nagpur - 440001	Member
22.	Dr. D. R. Kalorey, Director, (Instructions) & Dean (Faculty of Veterinary Science), MAFSU, Nagpur - 440001	Member
23.	Dr. N. N. Zade, Dean, Faculty of Lower Education, MAFSU, Nagpur-440006	Member
	Dr. M. V. Joshi, Dean, Faculty of Lower Education, MAFSU, Nagpur-440006	Member
24.	Shri. S. P. Changade, Dean, Faculty of Dairy Technology, Warud, Ths. (Pusad), District : Yavatmal - 445 204	Member
25.	Dr. R. S. Dalvi, Dean, Faculty of Fishery Science, MAFSU, Nagpur-440006	Member
26.	Director of Extension Education Dr. Panjabrao Krishi Vidyapeeth, Krushinagar, Akola - 444 004	Member
27.	Director of Extension Education Dr. Balasaheb Sawant Krishi Vidyapeeth, Dapoli, Distt - Ratnagiri - 415712	Member
28.	Director of Extension Education Vasantrao Naik Marathwada Agriculture University, Parbhani - 431402	Member



Sr.No.	Name & Address	
29.	Director of Extension Education Mahatma Phule Krishi Vidyapeeth, Rahuri, Dist. Ahmadnagar - 413722	Member
30.	Dr. C. R. Jangde, Associate Dean, Nagpur Veterinary College, Nagpur-440006	Member
	Dr. N. P. Dakshinkar, Associate Dean, Nagpur Veterinary College, Nagpur-440006	Member
31.	Dr. A. M. Paturkar, Associate Dean, Bombay Veterinary College, Mumbai - 400012	Member
32.	Dr. Sharmila B. Majee, Associate Dean, College of Veterinary & Animal Sciences, Parbhani - 431402	Member
33.	Dr. A. G. Karpe, Associate Dean, College of Veterinary & Animal Sciences, Udgir, District : Latur - 413 517	Member
34.	Dr. A. S. Bannalikar, Associate Dean, K.N.P. College of Veterinary & Animal Sciences, Shirwal, Distt-Satara - 412801	Member
35.	Dr. H. S. Birade, Associate Dean, P. G. Institute, Animal & Veterinary Sciences, Akola - 444104	Member
36.	Dr. S. P. Changade, Associate Dean, Dairy Technology, Warud, Ths. (Pusad), Yavatmal - 445 204	Member
37.	Dr. M. R. Patil, Associate Dean, College of Dairy Technology, Udgir, District Latur - 413 517	Member
38.	Dr. R. S. Dalvi, Associate Dean, College of Fishery Sciences, Nagpur - 440001	Member
39.	Dr. A. G. Karpe, Associate Dean, College of Fishery Sciences, Udgir, District Latur - 413 517	Member
	Dr. A. P. Somkuwar, Associate Dean, College of Fishery Sciences, Udgir, District Latur - 413 517	Member
40.	Dr. N. N. Zade, Director, Extension & Training, MAFSU, Nagpur - 440001	Member Secretary



4

ESTABLISHMENT

Cadre wise list of teaching and non teaching post

4. A. ACADEMIC OFFICERS

Sr.No.	Establishment	Sanctioned	Filled	Vacant
1.	University Head Quarter, Nagpur	10	04	06
2.	Bombay Veterinary College, Mumbai	128	82	46
3.	Nagpur Veterinary College, Nagpur	109	71	38
4.	College of Veterinary & Animal Science, Parbhani	116	63	53
5.	College of Veterinary & Animal Science, Udgir	80	51	29
6.	KNP College of Veterinary Science, Shirwal	85	47	38
7.	Post Graduate Institute of Vet & Ani. Sci., Akola	51	30	21
8.	Dairy Technology College, Warud (Pusad)	36	14	22
9.	Dairy Technology College, Udgir, Dist. Latur	18	02	16
10.	College of Fishery Science, Nagpur	16	10	06
11.	College of Fishery Science, Udgir	15	09	06
12.	Cattle Breeding Farm, Igatpuri	04	02	02
13.	Cattle Breeding Farm, Nagpur	04	03	01
14.	Cattle Breeding Farm, Udgir	04	01	03
15.	Cattle Breeding Farm, Borgaon Manju (Akola)	04	02	02
16.	University Sub-Centre, Udgir	04	01	03
	Total	684	392	292



4 B. NON-TEACHING OFFICERS/EMPLOYEES

Sr.No.	Establishment	Sanctioned	Filled	Vacant
1.	University Head Quarter, Nagpur	160	72	88
2.	Bombay Veterinary College, Mumbai	235	120	115
3.	Nagpur Veterinary College, Nagpur	163	92	71
4.	College of Veterinary & Animal Science, Parbhani	163	49	114
5.	College of Veterinary & Animal Science, Udgir	122	52	70
6.	KNP College of Veterinary Science, Shirwal	143	62	81
7.	Post Graduate Institute of Vet & Ani. Sci., Akola	79	43	36
8.	Dairy Technology College, Warud (Pusad)	47	19	28
9.	Dairy Technology College, Udgir, Dist. Latur	19	01	18
10.	College of Fishery Science, Nagpur	22	14	08
11.	College of Fishery Science, Udgir, Dist. Latur	17	02	15
12.	Cattle Breeding Farm, Igatpuri	30	09	21
13.	Cattle Breeding Farm, Nagpur	30	16	14
14.	Cattle Breeding Farm, Udgir	25	08	17
15.	Cattle Breeding Farm, Borgaon Manju (Akola)	37	14	23
16.	University Sub-Centre, Udgir	13	06	07
	Total	1305	579	726

Total strength = (A+B) = 684 + 1305 = 1989



5

INTRODUCTION

5.A. BOMBAY VETERINARY COLLEGE, MUMBAI

Bombay Veterinary College was established in 1886, when British were ruling India. After independence, animal husbandry developed as the major allied sector for development of agricultural economy and the mandate of veterinary institutes revolved around the activities related to the upliftment of farmers and livestock owners. The syllabus of veterinary curriculum offered by Bombay Veterinary College thus was modified from time to time. Currently for undergraduate students the syllabus designed by Veterinary Council of India is offered whereas for M.V.Sc and Ph.D. programme, syllabus designed by ICAR is offered.

5. B. NAGPUR VETERINARY COLLEGE, NAGPUR

Nagpur Veterinary College, Nagpur was established in the year 1958. The college came under the umbrella of Maharashtra Animal & Fishery Sciences University, (MAFSU) Nagpur from 2001. At present, there are 18 departments involved in UG teaching while most of the departments are also having PG and Ph.D programme. The intake capacity of UG programme is 71 students. The Central Instrumentation Facility and Cell culture laboratory have been established for facilitating the research activities of the institute. College has the unique facility of Remount Veterinary Corps (RVC) wherein training related to discipline and national security is imparted to the students.

In the recent past, ICMR and ICAR, New Delhi has approved Zoonoses Center under the umbrella of this college. Wild Life Centre has been established at Gorewada Zoo with sanction of manpower and necessary infrastructure. Similarly Teaching Veterinary Clinical Complex with referral clinical hospital facility including critical care is being utilized by the livestock owners for treatment. The Animal Ambulance has been brought in operation from December 2015 for transportation of ailing livestock from their doorstep to the clinics.

5.C. COLLEGE OF VETERINARY AND ANIMAL SCIENCES, PARBHANI

College of Veterinary & Animal Sciences, Parbhani was established in the year 1972. Initially the admission capacity was 32 and now it is 64+10. The college has very good infrastructure having five lecture halls, well equipped 18 departments, Teaching Veterinary Clinical Complex, Ambulatory Clinic, Library, Boys & Girl's Hostel, Play Ground for outdoor and indoor games, Farmers Guesthouses, Instruction Farm, Red Kandhari Breeding Farm, well equipment Animal Biotechnology Lab. M.V.Sc. programme was started in 1976 only in two subjects, at present M.V.Sc. degree programme is in all subjects. Ph.D. programme is running in 2 subjects.

5.D. KRANTISINH NANA PATIL COLLEGE OF VETERINARY SCIENCE, SHIRWAL

Placed majestically on the picturesque



background of hills of Sahyadris, Krantisinh Nana Patil College of Veterinary Science, Shirwal (KNPCVS) is one of the most rapidly growing Veterinary institutions of Maharashtra Animal and Fishery Sciences University, Nagpur. The institute has completed more than 27 years of its establishment and over the past two and half decades has made remarkable progress on all fronts especially in providing excellent academic environment to the students.

5.E. COLLEGE OF VETERINARY AND ANIMAL SCIENCES, UDGIR

The College of Veterinary and Animal Sciences, Udgir was established in 1987 under Marathwada Agriculture University, Parbhani. Since 1st April 2001, the college is functioning under Maharashtra Animal & Fishery Sciences University, Nagpur. The campus is divided into Udgir, (where College building, Cattle Breeding Farm, MAFSU Sub-centre are located) and a small village, Sunegaon (Tq. Ahmedpur), (where an additional facility for animal sheds and mainly grassland is developed).

5.F. POST GRADUATE INSTITUTE OF VETERINARY & ANIMAL SCIENCES, AKOLA

Post Graduate Institute of Veterinary and Animal Sciences (PGIVAS) was established in the year 1970 under administrative and financial control of Dr. Panjabrao Deshmukh Krishi Vidyapeeth, (Dr. PDKV, an Agricultural University), Akola, running Post Graduate Programmes in Eleven well equipped Departments. Consequent upon the establishment of Maharashtra Animal & Fishery Sciences University (MAFSU) at Nagpur, in the year 2000, these all 11 departments were metamorphosed and started functioning as an independent constituent Institute of newly formed Maharashtra Animal and Fishery Sciences University, Nagpur, renamed as Post Graduate Institute of Veterinary and Animal Sciences (PGIVAS), Akola. The institute has 15.47 hectares of land for the premises viz. Academic Building, Girl's Hostel, Livestock Farms, Library and TVCC.

5.G. COLLEGE OF DAIRY TECHNOLOGY, WARUD

The Government of Maharashtra, in 1992, sanctioned and established College of Dairy Technology at Warud (Pusad), Dist. Yavatmal under the jurisdiction of Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola, with an initial intake capacity of 32 students. Government of Maharashtra vide letter No. 1496/PR254/20, dated 25/8/98 sanctioned 624.75 Lac and 82.20 Lac for the construction of Administrative Building and Student Dairy Plant respectively. Construction of the administrative building of

the Institute was finished with the end of 2004 and college was shifted from temporary structure to the recent building. Construction of Students Training Dairy Plant was completed during 2006 for want of installation of pasteurization unit with pouching and sterilization setup was possible after reception of financial aid from ICAR in 2010. At present construction of Guest House and Girls Hostel is completed in premises of the college.

5.H. COLLEGE OF DAIRY TECHNOLOGY, UDGIR

Government of Maharashtra has established College of Dairy Technology, Udgir (Dist. Latur) on 8th of August 2008 under Marathwada Development Programme as a constituent college of Maharashtra Animal and Fishery Sciences University, Nagpur. The main aim of the institute is to enlighten and empower students by imparting advanced knowledge in the fields of dairy technology by adopting innovative, efficient and effective strategies. Within short span of time, the college acquired basic facilities required for B. Tech (Dairy Technology) degree programme. College offering B. Tech (Dairy Technology), a four year degree course based on ICAR pattern and having the intake capacity including ICAR is 36 students.

5.I. COLLEGE OF FISHERY SCIENCE, NAGPUR

The fisheries sector has great potential to generate self-employment, especially for rural landless labours and marginal farmers. The sector, thus, can be used as an important tool to alleviate rural poverty. Keeping this in view, the Government of Maharashtra established the College of Fishery Science at Nagpur under the Maharashtra Animal and Fishery Sciences University (MAFSU), Nagpur during October 2006. Since inception, college has been actively involved in intensifying aquaculture activities through dissemination of advanced fish farming technologies amongst the rural farmers and unemployed youth of this region. The College of Fishery Science, Nagpur is also a leading fisheries education institute in Vidarbha which has been instrumental in creating technical manpower in terms of professional fisheries graduates.

Through the ICAR grants of about Rs.42.00 lakhs received in the year 2015-16, the college has renovated the existing old university campus as college building, fish farm facilities like field laboratory; feed manufacturing unit, student's accommodation room etc.

5.J. COLLEGE OF FISHERY SCIENCE, UDGIR

College of Fishery Science was established at



Udgir Dist. Latur (M.S.) in December 2006 under Maharashtra Animal & Fishery Sciences University, Nagpur. This college started with an aim of creating fisheries professionals to strengthen and develop fisheries activities in Maharashtra state. So far five batches have passed out from its inception.

The college building is furnished with state - of - art design including total six departments, lecture halls, well

equipped laboratories, Library as per the ICAR's norms, Fish Museum, Computer cell, Fisheries Information Centre, Examination hall, Office section, meeting hall. Facility of Gymnasium is also created for students where indoor games are provided. Integrated Ornamental Fishery Unit and Value Added Fish Product Development Centre are established in financial assistance with national Fisheries Development Board, New Delhi.

6

EDUCATION

6.A. HIGHER EDUCATION

Maharashtra Animal and Fishery Sciences University is imparting five years degree as Bachelor of Veterinary Science and Animal Husbandry (B.V.Sc. & A.H.), two years master's degree as Master of Veterinary Science (M.V.Sc.) and Doctorate (Ph.D.) in all the disciplines of Veterinary Science. Similarly four years degree programme as Bachelor of Fishery Science (B.F.Sc.) is being imparted through Fishery Science Colleges and four years degree programme as Bachelor of Technology (Dairy Technology) [B.Tech. (DT)] through Dairy Technology Colleges of the University.

The students are not only pursuing degrees but also getting hands on training through internship training programme, fisheries industrial and rural work experience

programme and in-plant trainings being implemented by various faculties. This has developed a dynamic system of education to train students and mould them into self-employers and entrepreneurs and to that extent develop its capacities both in terms of infrastructure and skills of faculties; with changing needs of society. The University is emphasizing to make it more skill-learning-based, problem-solving and self-exploratory so as to inculcate in the students spirit of entrepreneurship and business-approach to services so that they can respond to emerging challenges of market. The educational avenues are open not only for students of India but also for current undergraduate and post-graduate courses to foreign nationals and NRIs.



6.A.1. Faculty of Veterinary Science

Admission Strength, Admitted Students for B. V. Sc. & A. H. Degree Course for the year 2015 - 16

Cast Category	NVC, NAGPUR			BVC, MUMBAI			COVAS, PARBHANI			COVAS, UDGIR			KNP COVC, SHIRWAL			TOTAL		
Intake capacity	61+10*+1#			58+10*+3**+1#			53+10*+1#			27+5*+1#			27+5*+3**+1#			226+40*+6**+5#+10@		
Gender	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
SC	5	3	8	3	5	8	3	3	6	2	2	4	2	1	3	15	14	29
ST	2	2	4	1	3	4	3	1	4	1	1	2	2	0	2	9	7	16
VJ/DT(a)	2	0	2	1	0	1	1	1	2	0	1	1	1	0	1	5	2	7
NT(b)	0	1	1	2	0	2	1	0	1	1	0	1	0	1	1	4	2	6
NT(c)	0	2	2	1	1	2	1	1	2	1	0	1	1	0	1	4	4	8
NT(d)	1	0	1	1	0	1	1	0	1	0	0	0	0	1	1	3	1	4
OBC	7	5	12	5	7	12	7	3	10	4	1	5	3	2	5	26	18	44
SBC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UR	18	13	31	10	18	28	18	9	27	9	4	13	9	4	13	64	48	112
VCI*	10	0	10	9	1	10	8	2	10	5	0	5	2	1	3	34	4	38
GOA**	0	0	0	1	2	3	0	0	0	0	0	0	2	1	3	3	3	6
J&K#	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1
NRI/FN/PIO@	0	0	0	4	5	9	0	0	0	0	0	0	1	0	1	5	5	10
Total	45	26	71	39	42	81	43	20	63	23	9	32	23	11	34	173	108	281

M=Male, F= Female, T= Total

*VCI, ** Goa, #J&K, @NRI/FN/PIO

PIO - Person of Indian Origin

NRI - Non Residential Indian

FN - Foreign National

UR - Unreserved



6. A. 2. Faculty of Dairy Technology

Admission Strength, Admitted Students for B.Tech (DT) Degree Course for the year 2015-16

Cast Category	CDT, UDGIR			DTC, WARUD			TOTAL		
Intake capacity	30+5*+1#			30+5*+1#			60+10*+2#+10@		
Gender	M	F	T	M	F	T	M	F	T
SC	3	1	4	1	3	4	4	4	8
ST	2	0	2	0	2	2	2	2	4
VJ/DT(a)	1	0	1	0	1	1	1	1	2
NT(b)	0	1	1	1	0	1	1	1	2
NT(c)	1	0	1	1	0	1	2	0	2
NT(d)	0	0	0	1	0	1	1	0	1
OBC	4	2	6	3	2	5	7	4	11
SBC	0	0	0	0	0	0	0	0	0
UNRESERVED	11	5	16	13	4	17	24	9	33
ICAR - ICAR*	3	0	3	1	0	1	4	0	4
J&K#	0	0	0	0	0	0	0	0	0
NRI / FN / PIO@	0	0	0	1	0	1	1	0	1
Total	25	9	34	22	12	34	47	21	68

M=Male, F= Female, T = Total

* ICAR, #J&K, @NRI/FN/PIO



6. A. 3. Faculty of Fishery Science

Admission Strength, Admitted Students for B. F. Sc. Degree Course for the year 2015-16

Category	COFS, NAGPUR			COFS, UDGIR			TOTAL		
	Intake capacity			30+5*+1#			60+10*+2#+10@		
Gender	M	F	T	M	F	T	M	F	T
SC	2	2	4	3	1	4	5	3	8
ST	1	1	2	1	1	2	2	2	4
VJ/DT(a)	1	0	1	1	0	1	2	0	2
NT(b)	0	1	1	0	1	1	0	2	2
NT(c)	0	1	1	1	0	1	1	1	2
NT(d)	1	0	1	0	0	0	1	0	1
OBC	3	2	5	4	2	6	7	4	11
SBC	0	0	0	0	0	0	0	0	0
Unreserved	10	5	15	10	5	15	20	10	30
ICAR-MAFSU	1	1	2	0	2	2	1	3	4
ICAR*	0	0	0	0	0	0	0	0	0
J&K#	0	0	0	0	0	0	0	0	0
NRI/FN/PIO@	0	0	0	0	0	0	0	0	0
Total	19	13	32	20	12	32	39	25	64

M=Male, F= Female, T = Total

* ICAR, #J&K, @NRI/FN/PIO



6.A.4. Faculty of Veterinary Science

Post Graduate Admission strength, Admitted students for M. V. Sc. Degree Course for the year 2015-16

Cast Category	NVC, NAGPUR			BVC, MUMBAI			COVAS, PARBHANI			COVAS, UDGIR			KNPCVC, SHIRWAL			PGIVAS AKOLA			TOTAL		
INTAKE CAPACITY	29+8*+4#+ 10**			42+12*+1#			39+12*+1#			8+3*+1#			19+5*+1#			31+9*+4#			168+49*+12# +10**+10@		
Gender	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
SC	0	2	2	2	1	3	2	2	4	1	0	1	0	0	0	0	1	1	5	6	11
ST	1	1	2	1	1	2	0	0	0	1	0	1	0	0	0	0	0	0	3	2	5
VJ/DT(a)	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
NT(b)	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1	2
NT(c)	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
NT(d)	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
OBC	2	0	2	2	1	3	1	1	2	0	0	0	1	1	2	2	1	3	8	4	12
ESBC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SBC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UNRESERVED	7	6	13	8	14	22	7	2	9	1	1	2	3	4	7	4	3	7	30	30	60
ICAR - ICAR*	1	1	2	1	4	5	1	1	2	0	0	0	1	0	1	0	0	0	4	6	10
State Govt. In Service#	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	2	0	2	7	0	7
DBT & HRD** (Animal Biotechno- logy)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NRI/FN/PIO@	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	12	10	22	18	23	41	13	6	19	4	1	5	6	5	11	8	5	13	61	50	111

M=Male, F= Female, T = Total

Note : * ICAR, #State Govt In-service, @NRI/FN/PIO and **Animal Biotechnology



6.A.5. Faculty of Veterinary Science

Admission Strength, Admitted Students for Ph.D. Degree Course for the year 2015-16

Category	NVC, Nagpur			BVC, Mumbai			COVAS, Parbhani			PGIVAS, Akola			TOTAL		
Intake Capacity	9+3*			19+6*			1+1*			11+3*			40+13*+10@		
Gender	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
SC	0	0	0	1	1	2	0	0	0	0	0	0	1	1	2
NT(c)	0	0	0	1	0	1	0	0	0	1	0	1	2	0	2
NT(d)	0	0	0	1	0	1	1	0	1	0	0	0	2	0	2
OBC	0	0	0	2	0	2	0	0	0	1	1	2	3	1	4
Unreserved	0	1	1	2	2	4	0	0	0	1	0	1	3	3	6
ICAR*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NRI/FN/PIO@	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	1	1	7	3	10	1	0	1	3	1	4	11	5	16

M=Male, F= Female, T = Total

* ICAR and @NRI/FN/PIO



6.A.6. Degrees Awarded

Academic Year 2015-16
B.V.Sc. & A. H.

Name of College	Open		OBC		SC		ST		VJ/DT/NT		SBC		Total Students				
Gender	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total
BVC, Mumbai	14	22	05	07	01	06	03	02	06	02	NIL	NIL	29	39	68		
NVC, Nagpur	19	13	07	05	03	06	00	01	06	02	NIL	NIL	35	27	62		
COVAS, Parbhani	12	06	04	01	03	04	02	00	07	03	NIL	NIL	28	14	42		
COVAS, Udgir	07	03	02	01	02	03	02	03	01	00	NIL	NIL	14	10	24		
KNPCOVS, Shirwal	08	07	04	01	04	02	00	01	04	01	NIL	NIL	20	12	32		
Total	60	51	22	15	13	21	07	07	24	8	NIL	NIL	126	102	228		

B.Tech (D.T.)

Name of College	Open		OBC		SC		ST		VJ/DT/NT		SBC		Total Students				
Gender	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total
CDT, Warud	04	05	03	02	01	03	01	00	02	00	NIL	NIL	11	10	21		
DTC, Udgir	10	04	08	01	01	00	00	00	04	00	NIL	NIL	23	05	28		
Total	14	09	11	03	02	03	01	00	06	00	NIL	NIL	34	15	49		

B.F.Sc.

Name of College	Open		OBC		SC		ST		VJ/DT/NT		SBC		Total Students				
Gender	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total
COFS, Nagpur	01	00	01	06	08	04	01	00	02	00	NIL	NIL	13	10	23		
COFS, Udgir	04	02	04	01	01	02	00	00	01	00	NIL	NIL	10	05	15		
Total	05	02	05	07	09	06	01	00	03	00	NIL	NIL	23	15	38		



M.V.Sc.

Name of College	Open		OBC		SC		ST		VJ/DT/NT		SBC		Total Students			
Gender	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	Total
NVC, Nagpur	5	1	4	3	5	1	1	1	1	0	0	0	16	6	22	
BVC, Mumbai	7	10	5	4	6	3	1	3	3	1	0	0	22	21	43	
COVAS, Parbhani	3	0	5	0	6	3	3	0	2	0	0	0	19	3	22	
PGIVAS, Akola	0	0	1	1	2	0	0	0	0	0	0	0	3	1	04	
KNPCOVS, Shirwal	5	1	3	1	0	0	0	0	3	0	0	1	11	3	14	
COVAS, Udgir	0	0	0	0	2	0	0	0	1	0	0	0	3	0	03	
Total	20	12	18	09	21	07	05	04	10	01	0	01	74	34	108	

Ph.D.

Name of College	Open		OBC		SC		ST		VJ/DT/NT		SBC		Total Students		
Gender	M	F	M	F	M	F	M	F	M	F	M	F	M	F	Total
NVC, Nagpur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BVC, Mumbai	0	0	1	0	1	0	0	0	1	0	0	0	3	0	3
COVAS, Parbhani	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGIVAS, Akola	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNPCOVS, Shirwal	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Total	1	0	1	0	1	0	0	0	1	0	0	0	4	0	4



6.A.7. SEVENTH CONVOCATION

The Seventh Convocation of Maharashtra Animal & Fishery Sciences University, Nagpur for conferment of Degrees on successful candidates in the academic year 2013-14 was organized on 20th April, 2015. The Convocation was presided over by Hon'ble Governor of Maharashtra and Chancellor of MAFSU, Shri. Chennamaneni Vidyasagar Rao. Dr. Mangala Rai, Hon'ble Former Secretary, Department of Agricultural Research and Education (DARE) and Director General, Indian Council of Agricultural Research (ICAR), New Delhi and Vice - Chancellor, G. B. Pant University of Agriculture and Technology, Pantnagar, Uttarakhand, was the chief guest



of this function and delivered the convocation address.

Total 441 degrees were conferred during convocation in the faculty of Veterinary, Dairy Technology and Fishery Science for Graduates, Post Graduates and Ph.D. students. Besides the conferment of degrees, the University also awarded gold and silver medals to the students for their meritorious performances. A total 32 medals including 24 gold and 08 silver medals were awarded for outstanding academic performance at B.V.Sc. & A.H., M.V.Sc., B.F.Sc and B.Tech. degree programmes.



Hon'ble Governor of Maharashtra and Chancellor, Shri. C. Vidyasagar Rao. Dr. Mangala Rai, Hon'ble Former Secretary, DARE & DGI, ICAR, New Delhi and Vice Chancellor, G.B. Pant University of Agriculture & Technology, Pantnagar, Uttarakhand in the presence of Prof. A.K. Mishra, Hon'ble Vice-Chancellor, MAFSU awarding medals to the meritorious students

SEVENTH CONVOCATION-2015 LIST OF RECIPIENTS OF VARIOUS MEDALS

1. Gold Medals awarded to the following meritorious students

Sr. No.	Name of the Medal	Name of the Recipient	Name of College	Year of award	Condition for award of Medal
M.V.Sc.					
1.	Maharashtra Animal and Fishery Sciences University Gold Medal	Miss Koli Radha Subhashrao	COVAS, Parbhani	2013-14	I Rank in M.V.Sc
2.	Venkateshwara Hatcheries Gold Medal	Raut Siddharth Gangadharrao	COVAS, Parbhani	2013-14	I Rank in M.V.Sc Poultry Science
3.	Smt. Subhadra Ninawe Gold Medal	Miss Bodhankar Snehanka Mahendra	BVC, Mumbai	2013-14	I Rank in M.V.Sc Animal Biotechnology



4.	Late Shri. Atmaram Zanzad (Saokar) Gold Medal	Miss Koli Radha Subhashrao	COVAS, Parbhani	2013-14	I Rank in M.V.Sc Animal Nutrition
5.	Dr. B.P. Madrewar Gold Medal	Sadgire Madhav Angadrao	COVAS, Parbhani	2013-14	Quality Research at M.V.Sc. in Veterinary Alternative Medicine
B.V.Sc. & A.H. (2013-14)					
1.	Maharashtra Animal and Fishery Sciences University Gold Medal	Miss Thomas Eunice George	BVC, Mumbai	2013-14	I Rank at B.V.Sc. & A.H.
2.	Prof. Dr. Krishna Shankar Deshpande Gold Medal	Miss Thomas Eunice George	BVC, Mumbai	2013-14	I Rank at B.V.Sc. & A.H.
3.	Dr. V.A. Sapre Gold Medal	Subash Dhakal	BVC, Mumbai	2013-14	I Rank Clinical Medicine at B.V.Sc. & A.H.
4.	Dr. V.B. Hukeri Gold Medal	Miss Patil Reshma Janardhanrao	COVAS, Udgir	2013-14	I Rank in Gynae., Obst. & A.I. at B.V.Sc. & A.H.
5.	Dr. B. Panda Gold Medal	Miss Thomas Eunice George	BVC, Mumbai	2013-14	1 Rank in B.V.Sc. & A.H. at B.V.C. Mumbai
6.	Dr. R.T. Desai Gold Medal	Pranav Chauhan	NVC, Nagpur	2013-14	I Rank in B.V.Sc & A.H. at N.V.C., Nagpur
7.	Late Dr. B.L. Purohit Commemorative Gold Medal	Miss Thomas Eunice George	BVC, Mumbai	2013-14	I Rank VPA, VPP, VMC, & VPE in B.V.Sc. & A.H. at B.V.C. Mumbai
8.	Indian Society for Veterinary Surgery Gold Medal	Miss Taksande Priti Siddhartha	NVC, Nagpur	2013-14	I Rank Vet. Surgery & Radiology in B.V.Sc. & A.H. at N.V.C. Nagpur
9.	Venkateshwara Hatcheries Gold Medal	Miss Thomas Eunice George	BVC, Mumbai	2013-14	I Rank at B.V.Sc. & A.H.
10.	Late Dr. Dilipsingh Rangilal Memorial Gold Medal	Pranav Chauhan	NVC, Nagpur	2013-14	I Rank LPM in B.V.Sc. & A.H. at NVC, Nagpur



11.	Dr. S. R. Kumthekar Gold Medal	Surwase Uttreshavar Narayan	COVAS, Udgir	2013-14	I Rank in B.V.Sc & A.H. at COVAS, Udgir
12.	Veterinary Anatomy Gold Medal	Miss Thomas Eunice George	BVC, Mumbai	2013-14	I Rank in Vet. Anatomy at B.V.Sc & A.H.
13.	Late Dr. Manoharsingh Devisingh Chauhan Memorial Gold Medal	Subash Dhakal	BVC, Mumbai	2013-14	I Rank AGB in B.V.Sc. & A.H. at BVC, Mumbai
14.	Veterinary Pharmacology & Toxicology Gold Medal	Miss Thomas Eunice George	BVC, Mumbai	2013-14	I Rank in Vet. Pharmacology & Toxicology at B.V.Sc & A.H.
B.F.Sc. (2013-14)					
1.	Maharashtra Animal and Fishery Sciences University Gold Medal	Jaspreet Singh	COFS, Nagpur	2013-14	I Rank at B.F.Sc.
B. Tech. (D.T.) (2013-14)					
1.	Maharashtra Animal and Fishery Sciences University Gold Medal	Priyae Brath Gautam	CDT, Udgir	2013-14	I Rank at B.Tech. (D.T.)
2.	Late Sudhakarrao Naik, Ex-Chief Minister (M.S.) Gold Medal	Priyae Brath Gautam	CDT, Udgir	2013-14	I Rank at B.Tech. (D.T.)
3.	Tapaswini Savitribai Meshram Gold Medal (for Gramin Girl Students)	Miss. Pimpalwal Yogita Lalitkumar	CDT, Warud	2013-14	I Rank at B.Tech. (D.T.) amongst Gramin Girl Students
4.	Guruvarya Shri Narayanrao Bajad Smruti Gold Medal	Gadsing Shankar Prakash	CDT, Warud	2013-14	I Rank in Dairy Microbiology at B.Tech. (D.T.)



2. Silver Medals awarded to the following meritorious students

Sr. No.	Name of the Medal	Name of the Recipient	Name of College	Year of award	Condition for award of Medal
M.V.Sc. (2013-14)					
1.	Prof. Dr. Bharati Ashok Talvelkar Silver Medal	Sonawane Nilesh Dinkar	KNPVC, Shirwal	2013-14	I Rank in Vet. Physiology at M.V.Sc.
B.V.Sc. & A.H. (2013-14)					
2.	Late Dr. B.L. Purohit Memorial Silver Medal	Pranav Chauhan	NVC, Nagpur	2013-14	I Rank in Vet. Pathology at B.V.Sc & A.H.
3.	Late Sau. Kausalyabai Digamber Harne Commemorative Silver Medal	Pranav Chauhan	NVC, Nagpur	2013-14	I Rank in B.V.Sc & A.H. at N.V.C. Nagpur
4.	Late Shri. Devidasrao Narharrao Deshpande Memorial Silver Medal	Miss Thomas Eunice George	BVC, Mumbai	2013-14	I Rank Vet. Physiology & Biochemistry at B.V.Sc & A.H.
5.	Dr. S.G. Narayankhedkar Silver Medal	Subash Dhakal	BVC, Mumbai	2013-14	I Rank in AGB at B.V.Sc & A.H.
6.	Late Shri Rambhau Bhagwanji Gorle Memorial Silver Medal	Pranav Chauhan	NVC, Nagpur	2013-14	I Rank in B.V.Sc & A.H. at N.V.C. Nagpur
7.	Late Dr. A.S. Kaikini Memorial Silver Medal	Pranav Chauhan	NVC, Nagpur	2013-14	II Rank in Gynae., Obst. & A.I. at B.V.Sc. & A.H.
8.	Dr. Krishnarao Anand Gowardhan Silver Medal	Pranav Chauhan	NVC, Nagpur	2013-14	I Rank Vet. Pathology in B.V.Sc & A.H. at N.V.C. Nagpur



6.B. LOWER EDUCATION

The Faculty of Lower Education of Maharashtra Animal & Fishery Sciences University, Nagpur, was established on 10.02.2002 as per University Act 1998 chapter six sr. no. 36, 37 and 38. After establishment Faculty of Lower Education under this university, 42 diploma schools from four Agriculture Universities in Maharashtra State were transferred to this University.

Forty non granted private diploma schools were running Dairy Management and Animal Husbandry (DMAH) diploma course and two granted institutes of Arey and Dapchery are of Dairy Development Department, Govt. of Maharashtra imparting Diploma in Dairy Technology. Only academic matter is under control of this university. Dapchery diploma institute was transferred in closed condition. Presently diploma institute, Arey Mumbai is imparting diploma which is after 12th standard with English medium.

In addition to above 40 non-granted private diploma schools which were transferred to this University, permission was given to new other 112 non-granted private diploma schools during the year 2002-2003. Thus the two year DMAH diploma course was running throughout the Maharashtra State.

The University had discontinued the Dairy Management and Animal Husbandry diploma course from the academic year 2006 – 07 at the behest of Hon'ble Supreme Court judgment on the plea of VCI. The new two year diploma, Livestock Management and Dairy Production (LMDP) has been started from 2006-07 in Marathi language after passing S. S. C. Examination. This diploma course has been started with a view to start self employment and to create the semi technical supporting manpower in livestock sector.

From the academic year 2013-14, the syllabus of LMDP diploma course is modified by inclusion of 200 marks Artificial Insemination subject in second year of diploma curriculum.

Seven constituent veterinary/dairy technology colleges of this University are coordinating centers for controlling activities of lower educational diploma schools. These coordinating centers assisting Lower Education Faculty for admissions, examination, result declaration, certificate distribution, fees deposition, re-recognition to diploma schools and monitoring all other academic activities related to diploma schools.

Student intake capacity/admitted/received diploma:

Sr. No.	Region/ constituent college	Number of schools (2015-16)	Student intake capacity / admitted (1 st yr) (2015-16)		Number of students received diploma in year (2015-16)
			Intake capacity	admitted	
1.	7 colleges	103	103x60= 6180	4216	3462

Distribution of Lower Education schools.

Throughout the Maharashtra State One Hundred Three diploma schools were awarded recognition to run the diploma course of Lower Education for the academic year 2015-16.

(i) Constituent colleges wise distribution of schools

Sr.No.	controlling veterinary / dairy colleges	Schools
1.	Nagpur Veterinary College, Nagpur	17
2.	Bombay Veterinary College, Mumbai	15
3.	KNP, College of Veterinary Scince, Shirwal	19
4.	College of Veterinary & Animal Sciences, Parbhani	18
5.	College of Veterinary & Animal Sciences, Udgor	13
6.	Post Graduate Institute of Veterinary & Animal Sciences, Akola	14
7.	Dairy Technology College, Warud (Pusad)	07
	Total	103



(ii) Region wise distribution of schools

Sr.No.	Region	Region / District wise distribution of diploma schools	Schools
1	Nagpur	Nagpur	04
2	Nagpur	Wardha	02
3	Nagpur	Bhandara	05
4	Nagpur	Gondia	04
5	Nagpur	Gadchiroli	01
6	Nagpur	Chandrapur	01
		Total	17
7	Amravati	Yavatmal	03
8	Amravati	Amravati	04
9	Amravati	Akola	04
10	Amravati	Washim	01
11	Amravati	Buldhana	02
		Total	14
12	Nashik	Dhule	02
13	Nashik	Nashik	04
14	Nashik	Jalgaon	03
		Total	09
15	Mumbai	Thane	01
16	Mumbai	Raigarh	01
17	Mumbai	Sindudurgu	01
		Total	03
18	Pune	Pune	03
19	Pune	Satara	04
20	Pune	Kolhapur	09
21	Pune	Sangli	05
22	Pune	Solpur	01
		Total	22
23	Aurangabad	Aurangabad	06
24	Aurangabad	Ahamadnagar	10
25	Aurangabad	Jalna	02
26	Aurangabad	Hingoli	03
27	Aurangabad	Parbhani	01
		Total	22
28	Latur	Bid	01
29	Latur	Nanded	08
30	Latur	Usmanabad	02
31	Latur	Latur	05
		Total	16
	Total		103



Students on Roll (Lower Education) 2015-16 :

Category	I year		II year	
	Male	Female	Male	Female
Open	2004	301	1013	144
OBC	460	58	347	52
SC	848	219	661	196
ST	375	79	310	66
VJ/DT (a)/NT	427	68	393	62
Total	4114	725	2724	520

Students admitted college wise during 2015-16

College/Region	Category	I year		II year	
		Male	Female	Male	Female
Bombay Veterinary College, Mumbai (Mumbai/Konkan)	Open	101	03	104	05
	OBC	169	19	138	21
	SC	127	28	119	45
	ST	173	09	150	10
	Others	135	13	101	17
	Total	705	72	612	98
Nagpur Veterinary College, Nagpur (Eastern Vidarbha)	Open	242	44	136	52
	OBC	87	22	39	07
	SC	158	60	101	38
	ST	81	41	59	30
	Others	37	20	12	05
	Total	605	187	347	132
College of Veterinary and Animal Sciences, Parbhani (Marathwada)	Open	529	89	139	25
	OBC	31	01	18	03
	SC	81	24	47	14
	ST	07	02	05	02
	Others	31	07	17	07
	Total	679	123	226	51



College of Veterinary and Animal Sciences, Udgir (Marathwada)	Open	268	35	125	10
	OBC	68	05	33	01
	SC	147	41	135	28
	ST	03	00	02	00
	Others	123	11	86	14
	Total	609	92	381	53
Krantisingh Nana Patil College of Veterinary Science, Shirwal (Western Maharashtra)	Open	610	81	473	47
	OBC	28	05	15	00
	SC	85	20	58	17
	ST	02	00	00	00
	Others	17	04	09	01
	Total	742	110	555	65
Post Graduate Institute of Veterinary and Animal Sciences, Akola (Western Vidarbha/Khandesh)	Open	232	46	14	0
	OBC	55	04	78	16
	SC	169	31	136	37
	ST	59	09	15	04
	Others	31	03	57	07
	Total	546	93	300	64
Dairy Technology College, Warud (Pusad)	Open	22	03	22	05
	OBC	22	02	26	04
	SC	81	15	65	17
	ST	50	18	79	20
	Others	53	10	111	11
	Total	228	48	303	57

6.C. SCHOLARSHIPS/FELLOWSHIPS

Scholarships/Fellowships are awarded to as many students as possible. Following are details for the year 2015-16. The Department of Science and Technology, Govt. of India is providing inspiration scholarship. Besides, private organizations are also providing scholarship to the students.

6.C.1. Bombay Veterinary College, Mumbai

Sr.No.	Name of Scholarship / Free-ship	Number of Students		Total Amount (Rs.)
		Boys	Girls	
1.	VJNT-GOI Scholarship	16	3	256445/-
2.	ST--GOI Scholarship	7	4	308655/-
3.	SC--GOI Scholarship	13	10	456325/-
4.	OBC--GOI Scholarship	17	7	302890/-
5.	SBC--GOI Scholarship	1	1	32440/-
6.	VJNT-GOI Freeship	7	5	72880/-



7.	ST--GOI Freeship	3	3	96970/-
8.	SC--GOI Freeship	8	20	299205/-
9.	OBC--GOI Freeship	7	13	174120/-
10.	NTS	14	3	132000/-
11.	ICAR JRF	2	0	225000/-
12.	Minority	2	1	48750/-
13.	Private scholarship	2	0	16000/-

6.C.2. Nagpur Veterinary College, Nagpur

Sr.No.	Name of Scholarship / Free-ship	Number of Students		Total Amount (Rs.)
		Boys	Girls	
1.	SC--GOI Scholarship	06	10	1,69,600/-
2.	OBC--GOI Scholarship	25	16	4,59,105/-
3.	NTS	18	08	2,28,000/-
4.	Jr Research Fellowship	01	--	75,000/-

6.C.3. College of Veterinary and Animal Sciences, Parbhani

Sr.No.	Name of Scholarship / Free-ship	Number of Students		Total Amount (Rs.)
		Boys	Girls	
1.	VJNT-GOI Scholarship	85	41	2668175/-
2.	NTS	--	01	10,000/-
3.	Minority	15	06	327615/-
4.	Handicapped scholarship	03	02	83,510/-
5.	Central sector	01	--	15,200/-
6.	Private scholarship	10	02	1,28,000/-
7.	Bombay Gorakshak mandali Mumbai	01	--	9,000/-

6.C.4. Krantisinh Nana Patil College of Veterinary Science, Shriwal

Sr.No.	Name of Scholarship / Free-ship	Number of Students		Total Amount (Rs.)
		Boys	Girls	
1.	VJNT-GOI Scholarship	16	06	3,68,720/-
2.	SC--GOI Scholarship	06	01	1,58,885/-
3.	OBC--GOI Scholarship	09	05	2,38,665/-
4.	VJNT-GOI Freeship	04	02	90,690/-
5.	SC--GOI Freeship	06	04	1,39,150/-
6.	OBC--GOI Freeship	07	01	1,00,840/-



6.C.5. College of Veterinary and Animal Sciences, Udgir

Sr. No.	Name of Scholarship / Free-ship	Number of Students		Total Amount (Rs)
		Boys	Girls	
1.	VJNT-GOI Scholarship	11	4	2,17,420/-
2.	ST-GOI Scholarship	5	1	91,590/-
3.	SC-GOI Scholarship	10	7	2,79,575/-
4.	OBC-GOI Scholarship	14	5	2,53,165/-
5.	SBC-GOI Scholarship	0	1	16,815/-
6.	Others (BGM)	2	0	19,000/-

6.C.6. Post Graduate Institute of Veterinary & Animal Sciences, Akola

Sr. No.	Name of Scholarship / Free-ship	Number of Students		Total Amount (Rs)
		Boys	Girls	
1.	Govt. of India Scholarship	NIL	02	69,110/-

6.C.7. College of Dairy Technology, Warud

Sr. No.	Name of Scholarship / Free-ship	Number of Students		Total Amount (Rs)
		Boys	Girls	
1.	SC- GOI Scholarship	10	7	3,32,085/-
2.	OBC- GOI Scholarship	18	5	4,25,285/-
3.	VJNT-GOI Scholarship	14	5	3,22,975/-
4.	SC- GOI Freeship	1	0	10,405/-
5.	OBC- GOI Freeship	2	0	36,460/-
6.	ST- GOI Scholarship	2	1	61,865/-
7.	ST- GOI Freeship	1	2	21,215/-
8.	ICAR Development Grants			
	National Talent Scholarship (NTS)	1	1	Rs. 24000 amount not received
9.	Minority Department			
	Merit cum Means Scholarship for Professional and Technical courses	3	2	1,23,600/-
	Central Sector Scheme of Scholarship for College & University Students	1	0	amount not received



6.C.8. College of Dairy Technology, Udgir

Sr. No.	Name of Scholarship / Free-ship	Number of Students		Total Amount (Rs)
		Boys	Girls	
1.	GOI Scholarship (OBC Category)	26	04	3,92,920/-
2.	GOI Scholarship (SC Category)	06	02	133460/- (pending from SWDO Latur)
3.	GOI Scholarship (VJNT Category)	17	03	2,58,640/- (pending from SWDO Latur)
4.	GOI Scholarship (ST Category)	01	NIL	20,605/- (pending from SWDO Aurangabad)
5.	NTS	02	NIL	24,000/-

6.C.9. College of Fishery Science, Nagpur

Sr. No.	Name of Scholarship / Free-ship	Number of Students		Total Amount (Rs)
		Boys	Girls	
1.	GOI Post Metric Scholarship SC	12	04	Scholarship not disbursed due to amount not received from Social Welfare Deptt.
2.	Freeship SC	02	02	42,090/-
3.	GOI Post Metric Scholarship OBC	11	09	1,51,810/-
4.	Freeship OBC	01	---	15,355/-
5.	GOI Post Metric Scholarship SBC	02	02	34,760/-
6.	GOI Post Metric Scholarship ST	---	01	Scholarship not disbursed due to amount not received from Social Welfare Deptt.
7.	GOI Post Metric Scholarship VJNT	05	---	54,445/-
8.	Freeship VJNT	---	02	24,710/-
9.	NTS	03	07	84,000/-

6.C.10. College of Fishery Science, Udgir

Sr. No.	Name of Scholarship / Free-ship	Number of Students		Total Amount (Rs)
		Boys	Girls	
1.	GOI Scholarship	37	14	7,64,915/-
2.	GOI Freeship	5	2	39,735/-



All India Entrance Examination for PG admissions

The results of the students from the University who have graduated and appeared for PG admissions for All India Entrance Examinations to the PG programme conducted by ICAR is given below :

Name of College	Qualified for JRF	Qualified for SRF	Student receiving JRF	Student receiving SRF
BVC, Mumbai	25	-	2	-
NVC, Nagpur	1	-	1	Students from Deptt. of VPH & Biotech. Receiving SRF at other University
COVAS, Parbhani	1	-	-	-
KNP COVS, Shirwal	8	1	2 students receiving JRF and 2 students receiving IVRI-Institutional Fellowships	-
COVAS, Udgir	-	-	-	-
COFS, Nagpur	4	-	-	-
COFS, Udgir	2	-	-	-
DTC, Warud	22	-	-	-
CDT, Udgir	6	-	-	-

Student Mr. Vitthal Jadhav from Dairy Technology College, Warud secured All India First Rank in Dairy Science.

6.D. HOSTEL ACCOMMODATION

Majority of students pursuing degrees in all the constituent colleges of University belonging to places other than the location of colleges are accommodated in hostel. The University is making all efforts to provide accommodation to boys and girl students of different constituent colleges and also to enhance existing capacities of existing hostels.

Students Accommodated in Hostels.

Name of colleges	Boys Hostel			Girls Hostel		
	Name of Hostel	No. of rooms	No. of students	Name of Hostel	No. of rooms	No. of students
BVC, Mumbai	U.G. Hostel, Parel Campus	30	90	Girls Hostel, Parel	12	40
	P.G. Hostel, Parel Campus	42	60	Girls Hostel, Goregaon	16	40
NVC, Nagpur	UG Hostel	106	190	Girls Hostel, NVC, Nagpur	16	55
	PG Hostel	14	20			
COVAS, Parbhani	Gokul	122	192	Vrundavan	62	89
COVAS, Udgir	'Nakul' Boys Hostel	60	96	--	--	--



KNPCVS, Shriwal	Subhanmangal Boys Hostel	78	92	Krantijyoti Girls Hostel	21	49
PGIVAS, Akola	--	--	--	Rajmata Jijau Girls Hostel	10	13
DTC, Warud	Aadinath Boys Hostel	09	25	Mauli Girls Hostel	08	15

6.E. LIBRARY



University Library

Central library facility is available at MAFSU headquarter, Nagpur which furnishes the need of students of Nagpur Veterinary College, Nagpur, College of Fishery Science, Nagpur and students from other constituent colleges also.

Details of Libraries of MAFSU

Sr. No.	College	Item	Number of Books Available	New Books Purchased / Added	Amount Spent Rs.
1.	MAFSU University Library, Nagpur	Books	30,004 (Included Print Books & E-books)	799 Print Books 633 E-Books 97 Gratis	5,15,327/- 57,33,418/- Nil
		Journals	88	42	44,715/-
			(Including 42 Subscribed, 8 th Life Member, 31 st Gratis, 7 th Others)		



		Other Publications (Thesis & Bound Volumes)	7,724 (2,599 + 5,125)	258 (Thesis)	Nil
		Electronic Database	CD – Rom Databases: – VET, BEST, FSTA FSTA (1969 to present monthly updates CD) CABI Vet Made database	218	7,93,946/- 13,83,564/-
2.	Bombay Veterinary College, Mumbai	Books	19847	Nil	Nil
		Journals	Nil	Nil	Nil
		Other Publications (Thesis & Bound Volumes)	Nil	90	17000
		Electronic Data base	Nil	12 CD	Complimentary From Yashada Publications
3.	College of Veterinary and Animal Science, Parbhani	Books	Regular Books (6876) + Social Welfare Books(1639) = Total Books (8515)	179	Rs.60,000/-
		Journals	972 Bound back Vol. of journals	Nil	Nil
		Other Publications (Thesis & Bound Volumes)	Online international and national journals are available through connectivity of CeRA	Online CeRA Connectivity (IP Based) is available	Nil
		Electronic Database	No. of Thesis 752	32	
			Online CABI Vet Med Resource Database is available through connectivity (IP Based) from University Library , MAFSU, Nagpur	Online CABI Vet Med Resource Database connectivity (IP Based) is available	Nil
			VET CD: 1989-2001/08 CABIA Publishing :- One (01) & BEAST CD :2000/06-2001/11 CABIA Publishing :- One (01)	Nil	Nil



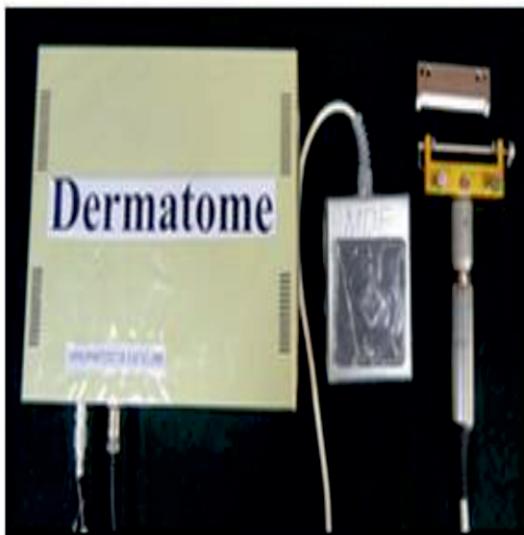
4.	College of Veterinary and Animal Science, Udgir	Books	5767	Nil	2,32,000/-
		Journals	207	Nil	Nil
		Other Publications (Thesis & Bound Volumes)	53	Nil	Nil
		Electronic Database	Nil	Nil	Nil
5.	KNP College of Veterinary Science, Shirwal	Books	6841	17	6541/-
		Journals	15	00	00
		Other Publications (Thesis & Bound Volumes)	00	00	00
		Electronic Database	00	00	00
6.	Post Graduate Institute of Veterinary and Animal Sciences, Akola	Books	2288	17 received from ADSW, PGIVAS, AKOLA	Nil
		Journals	08	Nil	Nil
		Other Publications (Thesis & Bound Volumes)	248	Nil	Nil
		Electronic Database	Nil	Nil	Nil
7.	College of Dairy Technology, Warud	Books	6951	4	Rs.1008/-
		Journals	Nil	Nil	Nil
		Other Publications (Manuals & Bound Volumes)	Nil	Nil	Nil
		Electronic Database	Nil	Nil	Nil
8.	Dairy Technology College, Udgir	Books	3857	258	1,24,870/-
		Journals/magazines/periodicals	17	Nil	6,070/-
		Other Publications (Thesis & Bound Volumes)	(Practical Manual) 08	Nil	53,704/-
		Electronic Database	Nil	Nil	Nil
9.	College of Fishery Science, Udgir	Books	4174	78	1,26,373/-
		Journals	4	1	1,550/-
		Other Publications (Thesis & Bound Volumes)	Nil	Nil	Nil
		Electronic Database	Nil	Nil	Nil



6.F. INFRASTRUCTURE / EQUIPMENTS

- Bombay Veterinary College, Mumbai

Sr. No.	Infrastructure/Name of Equipments	Amount (Rs. in Lakhs)	Name of scheme/ Budget received from
1.	Biochemistry Analyzer	7.08	ICAR
2.	Vessel seal Equipment	2.65	Donation
3.	Ultrasonography machines (3 no)	0.30	RKVY
4.	Vacuum Packaging Machine	4.97	All India Co-Ordinated Research Project on Post-Harvest and Engineering Technology
5.	Dermatome	0.6	
6.	Deep Freeze (-20°C)	0.35	
7.	F-1Micro pipette	0.49	Outreach Programme On Zoonotic Diseases
8.	Electronic Balance	0.69	
9.	Deep Freezer (-80°C)	4.98	
	Total	22.11	



Electrical Dermatome, Pune for making uniform size and shape of skin grafts

- Nagpur Veterinary College, Nagpur

Sr. No.	Infrastructure/Name of Equipments	Amount (Rs. in Lakhs)	Name of scheme/ Budget received from
1.	Stainless steel mixer for mineral mixture	1,59,709/-	ICAR
2.	Urea molasses mineral block machine	9,000/-	ICAR
	Total	1,68,709/-	



Established Poultry Training & Demonstration Centre :

The training centre provides facility of handsome training to the farmers in the area of management, housing, feeding, watering, vaccination and medication. The training centre consist of hatchery room, laboratory, museum, training hall, value addition room, feed meal, layer shed, broiler shed. Total cost of establishment including construction was **Rs. 111.80 lakhs.**



Inauguration of Poultry Training Centre by Dr. N. S. Rathore,
DDG (Edn), ICAR



Establishment of Museum in progress

- **College of Veterinary & Animal Sciences, Udgir**

Sr. No.	Infrastructure/Name of Equipments	Amount in Rs.	Name of scheme/ Budget received from
1.	High Performance Liquid Chromatography	39,87,853/-	RKVY
2.	NIR Feed Analyzer	27,95,625/-	
3.	Gas Liquid Chromatography	21,68,931/-	
4.	Atomic Absorption Spectrophotometer	15,12,000/-	
5.	Gas Analyzer	14,62,500/-	
6.	Rusitek Rumen Simulator	5,98,950/-	
7.	Blood Analyzer	4,95,000/-	
8.	Automatic Nitrogen/Protein Analyzer	4,94,045/-	
9.	Automatic Solvent/Fat Extraction System	3,94,778/-	
10.	Automatic Fibre Extraction System	3,95,513/-	
11.	Training Hall	25,00,000/-	RKVY
12.	Diagnostic Lab cum Information Centre	25,00,000/-	Marathwada Vikas Krishi Karykram
	Total	1,93,05,195/-	



Feed Testing Laboratory at COVAS, Udgir

Atomic Absorption Spectrophotometer



Automatic Fibre Extraction System

- **KNP College of Veterinary Science, Shirwal**

Sr. No.	Infrastructure/Name of Equipments	Amount in Rs.	Name of scheme/Budget received from
1.	Renovation and water proofing of girls' hostel	8,98,868/-	ICAR
2.	Providing chain link fencing at front portion of college village farm.	1,02,835/-	ICAR
3.	Renovation work of poultry shed	2,74,212/-	ICAR
4.	Internal and external painting of girls' hostel	5,95,760/-	ICAR
5.	Renovation and Repair work at TVCC building	2,97,438/-	ICAR
6.	Construction of small pens for rural poultry unit	1,97,806/-	ICAR
7.	Renovation, repair & modernization work of faculty block "B"	5,52,258/-	ICAR
8.	Renovation of lecture hall nos. 3 & 4	5,98,000/-	ICAR
9.	Renovation of girls common room	2,98,606/-	ICAR
10.	Renovation of students placement cell and study centre	2,99,000/-	ICAR
11.	Renovation and repair of farmers information centre	5,97,576/-	ICAR
12.	Providing work stations to the diagnostic lab & biochemistry dept	2,95,650/-	ICAR
13.	Modification & renovation work for virology & bacteriology	4,82,829/-	ICAR
14.	Repair of toilet blocks at boys' hostel	9,93,430/-	ICAR
15.	Fixing of railing to the staircases of faculty building "A" & "B" block	94,500/-	ICAR
16.	Providing Shed and chain link compound to the diesel generator set	44,968/-	ICAR
17.	Renovation of post mortem hall and biochemistry laboratory	1,47,000/-	ICAR
18.	Workstations(08)	2,95,650/-	RKVVY
19.	Desktops, Laptops and Printers(02 each)	2,95,965/-	RKVVY



Sr. No.	Infrastructure/Name of Equipments	Amount in Rs.	Name of scheme/ Budget received from
20.	Refrigerators (2)	1,98,000/-	RKVKY
21.	Multimedia Projector (1)	62,892/-	RKVKY
Total		76,23,243/-	

- **College of Veterinary & Animal Sciences, Parbhani**

Sr. No.	Infrastructure/Name of Equipments	Amount in Rs.	Funding Agency
1.	Fixing 6mm thick poly carbonate sheet on Library building floor Dome at College of Veterinary and Animal Sciences, Parbhani	84,000/-	College Revenue Receipt
2.	Excavation of 150 MM. Dia Bore Well at girls hostel building premises, College of Veterinary and Animal Sciences, Parbhani.	19,943/-	
3.	Purchase & Installation of 6 NO. 3 Lit. Capacity Water Heater at Girls Hostel At COVAS, Parbhani.	45,621/-	
4.	Repairs of Civil and Electrical work in boys 'GOKUL ' Hostel at College of Veterinary and Animal Sciences, Parbhani.	91,01,500/-	
Total		92,51,064/-	

- **Post Graduate Institute of Veterinary & Animal Sciences, Akola**

Sr. No.	Infrastructure/Name of Equipments	Amount in Rs.	Name of scheme/ Budget received from
1.	Feed mill unit	12,08,129/-	RKVKY
2.	Poultry processing cum dressing room	12,75,057/-	RKVKY
3.	Poultry feed mill	2,94,000/-	RKVKY
4.	Training hall furniture	2,93,700/-	RKVKY
5.	X-ray Machine with Accessories	2,82,000/-	ICAR
Total		33,52,886/-	



Feed Mill Unit, PGIVAS Akola



Poultry processing cum dressing room, PGIVAS Akola

- **Dairy Technology College, Warud**

Sr. No.	Infrastructure/Name of Equipments	Amount in Rs.	Name of scheme/ Budget received from
1.	Mechanical Paneer Press- 7 Kg & Food Processor	18,475/-	ICAR
2.	Four channel data logger	36,750/-	ICAR
3.	3KVA online UPS with batteries	1,23,525/-	ICAR
4.	Solar Water Heater	15,500/-	ICAR
5.	CCTV Camera	49,838/-	ICAR
6.	LCD Projector	25,900/-	ICAR
7.	LED street light and AC repair etc.	38,432/-	ICAR
8.	Vapour absorption refrigeration system tutor	35,957/-	ICAR
9.	Desktop computers (11)	1,81,800/-	ICAR
Total		5,45,677/-	

- **Dairy Technology College, Warud**

Sr. No.	Infrastructure/Name of Equipments	Amount in Rs.	Name of scheme/ Budget received from
1.	OFC Internet Facility	1,14,000/-	ICAR
2.	Wifi and CCTV Facility	1,12,000/-	ICAR
3.	Scholar Desk	1,30,880/-	ICAR
4.	Lovibond Comparator	19,971/-	ICAR



5.	Weighing Scale (100 Kg.)	19,687/-	ICAR
6.	Cut-section Model	18,480/-	ICAR
7.	Computer (02) / Laptop (01)	1,14,640/-	ICAR
8.	Refrigerator (02)	31,500/-	ICAR
9.	Roll up Banner	16,500/-	ICAR
10.	PH Meter	5,512/-	ICAR
11.	Cream Seperator	30,000/-	ICAR
12.	Mechanical Paneer Press (7 kg.)	12,365	ICAR
	Total	6,25,535	



6. G. STUDENTS WELFARE ACTIVITIES

6. G. 1. Inter University / Inter State/ National Level

The Directorate of Students Welfare plays important role in the overall development of students through organization and participation in various co-curricular activities like sports and games, cultural events and research competitions. Directorate meticulously works towards showcasing the potential of the students which created a treasure of talents and resulted in enthusiastic participation of the University in various all India Level Competitions

Inter University / Inter State/ National Level Games, Sports, research, cultural Competitions

Sr. No.	Sports / Games Name	Games / Sports	Date	No.of Participating Students		Host Institute
				Boys	Girls	
1.	Krida Mahotsav-2015 (M/W) (Maharashtra State Inter University)	Basket ball (M)	27.11.2015 to 01.12.2015	12	11	Swami Ramanand Teerth Marathwada University, Nanded
		Basket ball (W)		12	12	
		Volley ball (M)		12	-	
		Volley ball (W)		12	-	
		Kabaddi (M)				
		Kho-Kho (M)		12	-	
2.	All India West Zone Inter University Tournament	Chess	01.10.2015 to 04.10.2015	06	02	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad
3.	Indradhanushya-2015 (M/W) Maharashtra State Inter University Cultural Youth Festival	Cultural	22.01.2016 to 26.01.2016	22	09	Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur
4.	All India West Zone Inter University Tournament	Badminton	12.10.2015 to 15.10.2015	04	05	Laxmibai National Institute of Physical Education, Gwalior
5.	Table Tennis-2015 (M/W)		23.02.2016 to 26.02.2016	03	04	Technocrat Institute of Technology, Bhopal affiliated under Rajiv Gandhi Proudyogiki Vishwavidyalay, Bhopal
			29.02.2016 to 03.03.2016			
6.	Malkhamb-2015 (M)		07.01.2016 to 11.01.2016	05	-	Punjab University, Patiala
7.	Avishar-2015 (M/W) Maharashtra State Inter University Research Convention	Research	10.01.2016 to 12.01.2016	08	02	Savitribai Fule Pune University, Pune



8	Archery-2015 (M) (All India Inter University Championship		22.01.2016 to 26.01.2016	01	-	Punjab University, Patiala
Total Students - 140				97	43	



Participation of MAFSU in Krida Mahotsav-2015



Participation of MAFSU in Indradhanushya-2015

Mr. Atul Shivaji Walunj, 4th Year of B.V.Sc. & A.H. student from Bombay Veterinary College, Mumbai won the first prize in Humanities, Languages and Fine Arts theme (U.G.) category. His project title was "Conservation of Dead Natural Resources Using Innovative Bio-fine Art Technique: Taxidermy". Dr. S. A. Gaikwad, Professor & Head, Department of Anatomy, Bombay Veterinary College, Parel, Mumbai was the mentor for this project.



Atul S. Walunj receiving first prize

6.G.2. NSS ACTIVITIES

The University is actively involved in NSS activities. Total 9 NSS units are approved by Govt of Maharashtra for the academic year 2015-16 to the University. The yearly report on NSS activities is given below.

1. Name of the University : Maharashtra Animal and Fishery Sciences University, Futala Lake Road, Nagpur 440 001
2. Name of National Service Scheme Dept. : Director, Students Welfare, MAFSU, Nagpur
3. State Cell/ Office - : Tel No. 0712-2040900,
Fax No. 0712-0511273
Official Email ID – dswmafsu@gmail.com



4. State Levels Advisory Committee Meetings held : 19/08/2015
5. University Advisory Committee Meetings held : 26/08/2015
6. Total No. of Colleges / Schools on University /+2 having NSS : 09
7. Total No. of unit / University /+ 2 Council : 09
8. NSS Strength allocated under regular activities by State Govt. for the Year 2015-16
Actual Enrolment during the Year : Male – 615, Female- 320, Total - 935
Category-wise enrolment : General - 439, SC -158, ST- 45, OBC- 210, Minority - 83
9. No. of Self Finance NSS Units : Nil
10. NSS Strength allocated under Special camping for the year by State Govt. : 500
No. of NSS Special Camp organized during the year 2015-16 : 09
No. of villages adopted : 09
No. of participants in Special Camp : Male: 277 Female: 145 Total: 422
11. No. of Skill Development/ training Prog. organized for NSS volunteers, if any 11
Participation in Skill Dev/ training programme : Male - 282, Female -139, Total- 421
12. No. of Self Defence trainings/ programmes for girls, if any : 03 prog. - 78 participants
13. Total no. of NSS Prog. Officers : Male -09, Female- 00, Total- 09
Total trained NSS Prog. Officers : Male - 04, Female -00, Total -04
Total untrained NSS Prog. Officers : Male -05, Female- 00, Total - 05
No. of NSS Prog. Officers attended training at ETI Ahmednagar during the Year 2015-16

14. Blood Donation Camps :

No. of camps held	No. of NSS participants/ Blood donors			No. of Blood Bottles/unit donated
	Male	Female	Total	
06	171	69	240	240



Participation of NSS volunteers in Blood donation camp



Dr. A. M. Paturkar, Associate Dean and students planting the trees



Staff and students participated in campus cleaning programme



Swachh Bharat – Swastha Bharat Abhiyan in the campus

15. Tree Plantation

No. of saplings/ trees planted	No. of NSS Volunteers involved		
	Male	Female	Total
681	372	154	526

16. Pulse Polio Immunisation/ Eye check-up / Health Camps if any/ shramdan :

Activity	No. of NSS Volunteers involved			No. of Beneficiaries
	Male	Female	Total	
Pulse Polio Immunisation - 04	126	43	169	255
Eye check-up/ Health Camps - 14	272	177	449	1733
Shramdan - 49	405	246	651	203



Students participated in pulse polio programme



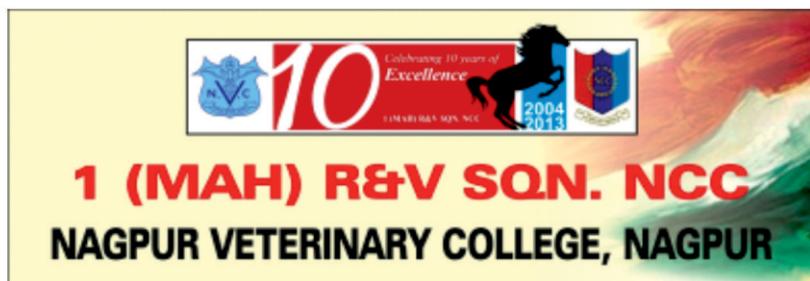
Team members of special Raid Campaign of prohibited food products



Special Raid Campaign of Prohibited food products

As an activity of National Service Scheme of Nagpur Veterinary College, Nagpur, ten student Volunteers along with Dr. V. K. Basunathe, NSS Coordinator and Dr. M. R. Jawale, Assistant Professor participated in Special Raid Campaign of Prohibited food products like Gutkha, Tobacco, Pan Masala etc organized by Food and Drug Administration, Nagpur Division on 4/03/2016. Under the guidance of Hon'ble Dr. Harshawardhan Kambale, Commissioner, FDA, Maharashtra, Shri. Desai, Dy. Commissioner, FDA, along with Food and Drug Inspectors lead the team.

6.G.3(MAH) REMOUNT AND VETERINARY SQUADRON, NCC UNIT



1(Mah) R&V Sqn.NCC is the first and only one of its kind in the whole of Maharashtra was established in the premises of Nagpur Veterinary College, Nagpur in April 2004 and has contributed to the overall development and growth of the cadets and helped in the building of an ideal society. Every year five rider cadets of the unit along with horses are selected to represent Maharashtra Directorate for equestrian sport events at the Republic Day Camp, New Delhi.

SALIENT FEATURES OF NCC UNIT, NAGPUR VETERINARY COLLEGE, NAGPUR

Students Performance in NCC

Sr. No.	Type of Examination	Number of Students Passed	Camps			Remarks	
			Place	Number of Students Participated			
				Male	Female		
1.	'B' Certificate Examination	45					
2.	'C' Certificate Examination	39					
3.			CATC, Navegaon (Khair)	03	-		
4.			CATC, MLA Hostel, Nagpur	07	-		
5.			CATC, Mumbai	10	-		
6.			CATC, MLA Hostel, Nagpur	-	03		
7.			Pre RDC, MLA Hostel, Nagpur	20	10		
8.			Pre RDC, Police Line Takli, Nagpur	10	10		
9.			CATC, Saoner	07	-		



10.			Pre RDC,	03	02	
11.			RDC- 16, New Delhi	03	02	1 cadet bagged silver medal in 'Hacks' event
12.			NIC, Tornagallu, Karnataka	04	02	
13.			CATC, MLA Hostel, Nagpur	04	01	

NIC-National Integration Camp;

NER-North Eastern Region;

CATC- Combined Annual Training Camp;

RDC-Republic Day Camp

MAFSU'S students for Republic Day and National Integration Camp- 2016

Two cadets from 1 (Mah) R & V Sqn., NCC unit, Nagpur Veterinary College, Nagpur students from Maharashtra Animal and Fishery Science University participated in Republic Day Camp - 2016 at New Delhi from 19th December 2015 to 5th February 2016. Also, six cadets of 1 (Mah) R&V Sqn NCC represented the Maharashtra Directorate for National Integration Camp held at, Tornagallu, Bellary dist., Karnataka from 18th January 2016 to 28th January 2016. RDC selected cadets joined the main contingent at Aurangabad to represent the Maharashtra Directorate at New Delhi. Hon Vice Chancellor Prof. A. K. Misra lauded the students for their selection. The staff of NCC unit under the leadership of Lt. Col. Harendra Tiwari trained the students in various equestrian events. The two selected students - Amrapali S. Kothare of Nagpur Veterinary College, Nagpur and Snehal S. Sahare of College of Fishery Science, Nagpur participated in horse show held at Garrison parade ground, Delhi Cantt during RDC to show the equestrian training activities. The aim of the camp is to develop equestrian skills, the quality of courage and discipline besides inculcating the sportsmanship amongst the youth. The authorities, staff and fellow students congratulated participated students in RDC.

The NIC selected contingent was led by Capt. N.C. Nandeshwar, Associate NCC Officer. Six students from Nagpur Veterinary College, namely Atul Urkude, Mahesh Harke, Zaid Danish Sheikh, Shubham Patil, Priyanka Dasari and Sapna Jamgade of the first year of B.V.Sc and A.H. degree course were selected to participate in the camp. The aim of this camp was to foster National Integration by instilling the value of discipline, integrity, team spirit and dignity of labour through social work and also to inculcate a sense of communal and religious harmony among cadets through understanding each other's culture and community living. The camp was conducted on all India basis that helped to bridge the cultural gap among various states of India.



RDC returned cadets with Dr. R. S. Dalvi, Dr. N.P. Dakshinkar, Lt. Col. Harendra Tiwari, ANOs and staff of NCC unit



Cadets of Nagpur group at NIC camp along with Capt. N.C. Nandeshwar



7

HUMAN RESOURCE DEVELOPMENT

Efforts are always on to train the faculties in their area of interest as a part of human resource development. The young faculties are always encouraged to participate in the seminars, conferences training programmes not only in the country but abroad also. The University is regularly

deputing the faculties for such events. The funding agencies and especially ICAR provides regular funding for development of human resource in the University. Following is the list of faculty members participated in HRD programmes and the list of programme organized.



7.A. BOMBAY VETERINARY COLLEGE, MUMBAI

Conference/Symposium/Workshop/Summer and Winter Institute/Seminar/Short term training courses etc. attended by the faculty members

Sr.No.	Name of Teacher	Date	Name of Conference / Symposium etc
1.	Dr. P. L. Dhande	11.02.2016 to 13.02.2016	XXX Annual Convention of IAVA and National Symposium held at Kolkata
2.	Dr. S. S. Modekar, Dr. (Mrs) A. S. Nagvekar, Dr. (Ms) S. V. Bharucha, Dr. Ms. D. N. Desai, Dr. Shweta Patwardhan, Dr. Adhiti Bhanotra, Dr. Sushma Ghadigaonkar, Dr. S. U. Gulavane	08.10.2015 to 10.10.2015	XIV National Conference of Indian Association of Women Veterinarians (IAWV) & National Seminar on "Recent Advances in Veterinary and Animal Sciences and Role of Women Veterinarians" at Pune
3.	Dr. S. D. Ingole	21.01.2016 to 22.01.2016	XXIV Annual Conference of SAPI and National Symposium on "Physiological Approaches for Development of Climate Resilient Livestock Farming" at College of Veterinary Science, AAU, Khanapara, Guwahati, Assam
4.	Dr. A. S. Ranade Dr. Ms. D. N. Desai Dr. P. E. Avari	24.11.2015	Seminar entitled "Knowledge Day" by Poultry India Show 2016 held at Hyderabad
5.	Dr. R. S. Deshmukh	10.03.2015 to 12.03.2015	National conference of Veterinary Biochemist and Biotechnologists of India held at Bhubaneshwar
6.	Dr. M.B.A. Siddiqui	28.01.2016 to 31.01.2016	International Livestock Conference, ISAPM INDIGENOUS at Hyderabad
7.	Dr. R. N. Waghmare	18.05.2015 to 23.05.2015	Training in Laboratory Quality Management and Internal Audit as Per ISO/IEC -17025 :2005 held at NIPHM, Hyderabad
8.	Dr. V. M. Vaidya	29.11.2015 to 08.12.2015	Training in Laboratory Quality Management and Internal Audit as Per ISO/IEC -17025 : 2005 held at NIPHM, Hyderabad
9.	Dr. V. M. Vaidya	28.09.2015 to 03.10.2015	10 days training programme on diagnosis of zoonosis and veterinary infectious diseases held at Azabu University, Japan
10.	Dr. S. Jena	28.09.2015 to 03.10.2015	Training in "laboratory Quality Management and Internal Audit" as per ISO/IES – 17025:2005 held at NIPHM, Hyderabad



11.	Dr. R.J.Zende	13.03.2015 to 14.03.2015	SBS-ASM-ICAR Biosafety Awareness Programme including Workshops on: Culture of Responsibility, Pathogen Inventory Management and Safety's the Rule: Fundamentals of working with Biosafety Cabinets held at Bhopal
		28.07.2015 to 31.07.2015	Four days training programme on Proficiency TestingEU-India Capacity Building Initiative for Trade Development (CITD) held at Andheri, Mumbai
		09.10.2015 to 10.10.2015	World Packaging Congress on Packaging-Strategies for Global Competitiveness held at Hotel Renaissance, Mumbai
		04.11.2015	XIV NAVS Convocation Cum Conference on Antimicrobial Resistance in Livestock Health and Production held at Izatnagpur, U.P
12.	Dr. R. J. Zende	29.03.2016	2 nd National Conference on Scientific Awareness on Zoonotic Disease Control organised by Millennium India Education Foundation, New Delhi and KEM Hospital & G. S. Medical College held at Parel, Mumbai
13.	Dr. V. M. Vaidya		
14.	Dr. R. N. Waghmare		
15.	Dr. M. L. Gatne Dr. S. Y. Shirale Dr. R. P. Pednekar	17.02.2016 to 19.02.2016	Silver Jubilee National Conference of Veterinary Parasitology, MVC held at Chennai
16.	Dr. Moregaonkar S. D.	06.03.2015 to 07.03.2015	Consultancy Project Management held at NAARM, Hyderabad
17.	Dr. D. P. Kadam	09.10.2015 to 10.10.2015	10 th workshop on Toxicopathology organized by STPI, Bangalore held at Baroda, Gujarat
18.	Dr. P. V. Meshram	19.10.2015 to 20.10.2015	Concept of Zoonosis in new Millennium held at Nagpur Veterinary College, Nagpur
19.	Dr. M. M. Gatne	15.10.2015	Laboratory Animal Scientists Association held at ACTREC, Kharghar Navi Mumbai
20.	Dr. Sushma Ghadigaonkar	14.01.2016 to 16.01.2016	National conference of society of Veterinary Pharmacology and Toxicology, India held at NDRI Karnal



21.	Dr. Swati A. Umap	22.02.2015 to 03.03.2015	Certificate Course in Laboratory Animal Sciences FESA accredited training on laboratory Animals held at Madras Veterinary College, Vepery, Chennai
22.	Dr. R. R. Shelar	24.10.2015 to 26.10.2015	National training programme on A.I. in pigs held at ICAR, Goa
23.	Dr. S. U. Gulavane	03.12.2015 to 05.12.2015	ISSAR conference held at Bangalore
24.	Dr. R.V.Suryavanshi, Dr.Ravindra Reddy and Dr.Vijay Vaidya	01.09.2015 to 03.09.2015	39 th ISVS conference held at SKUAST, Kashmir
25.	Dr. R.V.Gaikwad Dr. C.N.Galdhar Dr. P.S.Masare Dr. K.V.Garud	10.08.2015	One day CME on Preclinical Imaging and Drug Discovery held at the Indian College of Nuclear Medicine (ICNM) & Advanced Centre for Treatment, Research and Education in Cancer (ACTREC)
26.	Dr. P.S.Masare	10.09.2015 to 30.09.2015	Training Course entitled "Hands on training in specialized procedures in Veterinary Anesthesia and Surgery" held at Center for advanced faculty training, Department of Veterinary Surgery and Radiology, GADVASU, Ludhiana
27.	Dr. C H Pawshe	15.06.2015 to 19.06.2015	Molecular Biotechnology and bioinformatics held at International Center for Stem Cells, Cancer and Biotechnology (ICSCCB), Pune
28.	Dr. S. H. Dalvi, Associate Professor	08.12.2015 to 18.12.2015	Nutrigenomic approaches in fish nutritional research held at CIFE , Varsova, Mumbai
		11.03.2016 to 12.03.2016	Attended ISVBB conference held at Bhubaneshwar, Orissa


Training / Workshop / Conferences / Symposium etc. organized by the College

Sr. No.	Date	Name of Conference / Symposium etc	Number of Participants
1.	06.07.2015	Organized one day technical session and conferences of Zoonoses on World Zoonoses Day Dr. R. J. Zende - Organizing secretary Dr. V. M. Vaidya Co-Organizing Secretary & Dr. R. N. Waghmare organizing member	25
2.	19.10.2015 to 21.10.2015	Hygienic Meat Production Dr. R. J Zende - Organizing secretary Dr. V. M. Vaidya and Dr. R. N. Waghmare - Co- Ordinators	17
Total			42

7.B. NAGPUR VETERINARY COLLEGE, NAGPUR

Sr.No.	Name of Teacher	Date	Name of Conference / Symposium etc
1.	Dr. S. W. Bonde	20.01.2016 to 22.01.2016	XXIV Annual Conference of Society of Animal Physiologists of India, & National Symposium on "Physiological approaches for development of climate resilient livestock Farming" held at COVS, Assam Agricultural University, Guwahati
		30.01.2016	One Day workshop on "Awareness of Sexual Harassment at Workplace" under SAKSHAM held at NVC, Nagpur
2.	Dr. S. D. Borkar Dr. Shiny Joy (Jogi)	08.10.2015 to 10.10.2015	XIV Annual Conference of Indian Association of Women Veterinarians (IAWV) and National Seminar on "Recent advances in veterinary and animal sciences and role of women veterinarian" held at KNPVC, Shirwal
3.	Dr. S. D. Borkar Dr. Shiny Joy	11.03.2016 to 12.03.2016	Annual Convention of Society of Veterinary Biochemists and Biotechnologists of India and National Symposium on Use of advanced Technologies of Biochemistry and Biotechnology in Livestock Health, Production & Reproduction held at College of Veterinary Science & Animal Husbandry, Orissa University of Agriculture & Technology, Bhubneswar
4.	Dr. D. G. Jagtap	18.03.2016	Workshop on "Role of Indigenous Cattle in Livestock Production- Status, Challenges and Policy" held at NVC, Nagpur
5.	Dr. J. P. Korde		
6.	Dr. K. B. Bahiram		
7.	Dr. M. B. Gupta		



8.	Dr. A. D. Deshmukh	06.02.2016 to 08.02.2016	ANSICON 2016, Animal Nutrition conference at NDRI, Karnal,
9.	Dr. S. B. Kawitkar		
10.	Dr. M. R. Jawale		
11.	Dr. A. P. Dhok		
12.	Dr. S. V. Chopde	08.10.2015 to 10.10.2015	Lady Veterinarians Conference held at KNPCVS, Shirval
13.	Dr. K. S. Rathod	07.09.2015 to 16.09.2015	Short course on "Application of genomic and proteomic technologies in meat quality and food safety research" organized by National research Centre on Meat, Chengicherla, Hyderabad held at NRCM, Hyderabad
		15.02.2016 to 27.02.2016	Two weeks STTP / Faculty Development programme in Entrepreneurship organized by MITCON in association with ED Cell, KDK College of Engineering Nagpur held at KDK College of Engineering, Nandanvan, Nagpur
14.	Dr. R. P. Limsay	16.11.2015 to 06.12.2015	21 days ICAR CAFT training on "Techniques for exact identification & parasitic disease diagnosis in domestic animals" held at Veterinary College, Hebbal, Bangalore
15.	Dr. U. M. Tumlam Dr. S. P. Awandkar Dr. P. A. Tembherne Dr. S. R. Warke	07.09.2015 to 09.09.2015	Workshop on "Molecular subtyping of Microbes using PFGE" Conducted & held at Department of Pathology, NVC, Nagpur
16.	Dr. S. R. Warke Dr. U. M. Tumlam	08.02.2015 to 10.02.2015	Conference on "Recent Advances in Veterinary and Animal Sciences and Role of Women Veterinarians" conducted & held at KNPCOVAS, Shirwal
17.	Dr. V. C. Ingle Dr.S.R.Warke Dr.U.M.Tumlam Dr. S. P. Awandkar Dr. P.A. Tembherne	30.01.2016	Workshop on "Awareness of sexual Harassment at workplace" conducted & held at NVC, Nagpur
		21.03.2016	Symposium "Marching towards Innovative Research" conducted & held at RTM Nagpur University, Nagpur
18.	Dr. P.A. Tembherne Dr. U. M. Tumlam	12.02.2016 to 14.02.2016	Global Symposium on "Animal Health Newer Techniques and their Applications" organized by IAVMI held at Guwahati



19.	Dr. V. C. Ingle Dr.S.R.Warke Dr.U.M.Tumlam Dr. S. P. Awandkar	18.03.2016	Workshop on "Role of Indigenous cattle in livestock Production-status, challenges and policy" conducted & held at NVC, Nagpur
20.	Dr. S.W.Kolte	17.02.2016 to 19.02.2016	XXV National Congress of Veterinary Parasitology and National Symposium on "One Health Approach – Plausible Solution For Sustainable Parasite Control" from 17-19 th February, 2016 held at Madras Veterinary College, Chennai (Tamil Nadu). (TANUVAS Chennai.)
21.	Dr. S. P. Chaudhari Dr. W. A. Khan Dr. S. V. Shinde Dr. A. R. Patil	19.10.2015	National symposium on "Concept in Zoonoses and Health" in New Millennium
		18.03.2016	Workshop on "Role of Indigenous cattle in livestock Production-status, challenges and policy" conducted & held at NVC, Nagpur
22.	Dr. A. R. Patil	07.09.2015 to 09.09.2015	Seminar on "Molecular subtyping of microbes using Pulsed Field Gel Electrophoresis" at NVC, Nagpur
23.	Dr. N. P. Dakshinkar Dr. G. R. Bhojne	17.06.2015 to 19.06.2015	National Congress on "Canine Practice" & Symposium on "Challenges in diagnosis and management of emerging diseases of canine" held at Allahabad.
		19.10.2015 to 20.10.2015	National symposium on "Concepts in zoonoses and Health in New Millennium" held at NVC, Nagpur
24.	Dr. M. P. Sakhare	08.10.2015 to 10.10.2015	Recent Advances in Veterinary and Animal Sciences and Role of Women Veterinarians & XIV National Conference of Indian Association of Women Veterinarians (IAWV) held at Pune
25.	Dr. G. R. Bhojne	17.09.2015 to 18.09.2015	National workshop on "Health care and managerial practice of wild animals" held at Wildlife Health and Forensic Centre, Durg.
		07.11.2015 to 08.11.2015	Workshop on "Rescue and treatment of wild animals" held at Forest Division, Amravati
		07.02.2016	Mars continuing Veterinary professional development course 14 th Walthan leading Veterinary Workshop on Neurosurgery and Behavioral Medicine held at BVC, Mumbai



26.	Dr. N.P. Dakshinkar, Dr. A. M Rode, Dr. G. R. Bhojne Dr. B. N. Ambore Dr. M. P. Sakhare	18.03.2016	State level Workshop on "Current status and place of Indigenous Cattle breeds of Maharashtra in livestock production: Challenges and Future Policy" held at Nagpur Veterinary College, Nagpur
27.	Dr. S. B. Akhare	01.09.2015 to 03.09.2015	National symposium of Indian Society for Veterinary Surgery held at College of Veterinary Science, Srinagar (J & K)
28.	Dr. Mrunali Kamble & Dr. Shalaka Salvekar	08.10.2015 to 10.10.2015	"Recent Advances In Veterinary and Animal Sciences and Role of Women Veterinarians" & XIV National Conference of Indian Association of Women Veterinarians (IAWV) held at Pune
29.	Dr. P. T. Jadhav, Dr. S. B. Akhare, Dr. M. Kamble, Dr. S. Pitlawar, Dr. S. Salvekar	18.03.2016	State level Workshop on "Current status and place of Indigenous Cattle breeds of Maharashtra in livestock production: Challenges and Future Policy" held at Nagpur Veterinary College, Nagpur
30.	Dr. S. S. Pitlawar	10.09.2015 to 30.09.2015	21 days hands on training in "specialized procedures in Veterinary Anaesthesia & Surgery" held at Ludhiana
		25.09.2015	"Canine Dermatology", a workshop held at Hotel Radisson Blue, Nagpur organized by Virbac.
31.	Dr. S. K. Sahatpure Dr. A.D. Patil	03.12.2015 to 05.12.2015	Conference on "Current challenges and opportunities in animal reproduction", Dept. of ARGO, Veterinary College held at Bangluru
		14.12.2015	Workshop on "Dairy Management" held at Tuli Imperial, Nagpur
32.	Dr. S. K. Sahatpure Dr. M.S. Patil Dr. M.S. Bawaskar	21.08.2015	Workshop on "Importance of vaccination in small animals" held at Hotel Radison Blue, Nagpur organized by Intas.
33.	Dr. S. K. Sahatpure Dr. A.P. Gawande Dr. M.S. Patil, Dr. A.D. Patil, Dr. M.S. Bawaskar	18.03.2016	Workshop on "Indigenous cattle production status- present status, challenges and future planning" held at NVC, Nagpur



35.	Dr. Vaishali V. Banthiya	02.09.2015 to 22.09.2015	Participated in the Training Course on "Communication and Management Tools and Approaches for Agricultural Extension" held at ICAR, New Delhi
		08.02.2016 to 12.02.2016	Participated in the Training Programme on "Social Media For Effective Sharing of Agricultural Information and Knowledge" held at ICAR, New Delhi
36.	Dr. Vaishali V. Banthiya and Dr. S.P. Landge	08.10.2015 to 10.10.2015	XIV Annual Conference of Indian Association of Women Veterinarians (IAWV) and National Seminar on "Recent advances in Veterinary and Animal Sciences and Role of Women Veterinarian" held at KNPVC, Shirwal
		18.03.2016	State level one day workshop on "Current status and place of Indigenous cattle breeds of Maharashtra in livestock production, Challenges and Future Policy" held at Nagpur Veterinary College, Nagpur

Training / Workshop / Conferences / Symposium etc. organized by the College

Sr. No.	Date	Name of Conference / Symposium etc.	Number of Participants
1.	18.03.2016	State level one day workshop on "Current status and place of Indigenous cattle breeds of Maharashtra in livestock production, Challenges and Future Policy".	330
2.	16.02.2016 to 20.02.2016	National Workshop on "Diagnostic Approaches for Zoonotic Diseases" Under NAE Project on Centre for Zoonoses.	14
3.	08.03.2016 to 12.03.2016		15
4.	07.11.2015 to 08.11.2015	State level Workshop on "Rescue and treatment of wild animals", Forest Division, Amravati	120
		Total	479



Workshop Manual was released at the hands of dignitaries during inaugural function of 1st National Workshop of NAE



Prof. A.K. Misra delivering key note address of NAE workshop

7.C. COLLEGE OF VETERINARY AND ANIMAL SCIENCES, PARBHANI

Sr.No.	Name of Teacher	Date	Name of Conference / Symposium etc
1.	Dr. G.R. Gangane	10.04.2015	Attended meeting for revision of VCI syllabus for B.V.Sc. & A.H. for Vet. Pathology subject at College of Vet. & Ani. Husbandry, NDPCVV, Rasalpur, Indore, Mhow (MP)
		29.03.2016 to 30.03.2016	Two days Advanced Training Programme on "Preparing Effective Presentations and Effective Public Speaking"
2.	Dr. S.R.Rajurkar	29.01.2016	National seminar on "Arthritis and Ayurveda (as resource person)" at Shudakala Ayurvedic Mahavidyalaya, Sangamner
3.	Dr. D.P. Patil	08.10.2015 to 10.10.2015	XIV Annual conference of IAWV and National Seminar on 'Recent advances in Veterinary and Animal Sciences and Role of Women Veterinarian' organized by Dept. of ARGO, KNPCVS, Shirwal held at Pune
		19.11.2015 to 21.11.2015	XXXV th Annual Conference of Society of Toxicology at Palmur Bioscience Pvt Ltd, S.S.Medical College Campus, Mehabubnagar (Telangana state)
		11.03.2016 to 12.03.2016	Seminar on 'Women in higher education' at SRTM, University, Nanded
4.	Dr N.D.Jadhav	19.03.2016 to 20.03.2016	'Preparing of effective presentations' at COVAS, Parbhani
5.	Dr. Ballurkar		



6.	Dr A. M. Chappalwar	08.10.2015 to 10.10.2015	XIV Annual conference of IAWV and National Seminar on 'Recent advances in Veterinary and Animal Sciences and Role of Women Veterinarian' at Dept. of ARGO, KNPCVS, Shirwal
		19.03.2015 to 20.03.2015	'Preparing of effective presentations' at COVAS, Parbhani
		04.08.2015	'Applications of genomic and proteomic technologies in meat quality and food safety research' at NRC, MEAT Chengicherla, P.B. No. 19 Boduppal P.O. Hyderabad
7.	Dr. S.V. Londhe	28.11.2015 to 18.12.2015	National training programme on 'Designing New Age Dairy Foods' at Dairy Research Institute (Deemed University) Karnal (Haryana) India
8.	Dr. M. S. Vaidya	14.02.2015	Sustainable management of animal genetic resources for livelihood security in developing countries at Madras Veterinary College, Tamilnadu Veterinary and Animal Sciences University, Chennai, Tamilnadu, INDIA.
9.	Dr. N. C. Dudhe	08.03.2016 to 12.03.2016	Workshop organized at Nagpur Veterinary College on 'Niche areas of Zoonotic Diseases' Under ICAR sponsored program at Nagpur
		28.03.2016 to 29.03.2016	Training on Hands on Practice on PPT preparation at Parbhani
10.	Dr. S.S. Gaikwad	05.02.2016 to 06.02.2016	Attended 'Global Biotechnology Summit 2016' at New Delhi

7.D. KRANTISINH NANA PATIL COLLEGE OF VETERINARY SCIENCE, SHIRWAL

Sr.No.	Name of Teacher	Date	Name of Conference / Symposium etc
1.	Dr. R.P. Kolhe	04.06.2015 to 06.06.2015	"Student Cycle Management Systeme Software (SCMS)" Training at MAFSU HQ, Nagpur
2.	Dr. K. P. Khillare Dr. S. R. Kolhe Dr. D. T. Sakunde Dr. Mrunalini Pawde Dr. G. D. Wankhede Dr. V. G. Nimbalkar Dr. Prajwalini Mehere Dr. Mugdha Kulkarni Dr. Sonal Pandey	08.10.2015 to 10.10.2015	XIV Annual Conference of Indian Association of Women Veterinarians and National Seminar on 'Recent Advances in Veterinary and Animal Science and Role of Women Veterinarian' at IIPTM, Pune



3.	Dr. A. H. Ulemale Dr. R. R. Rohi Dr. S. W. Swami Dr. V. D. Kale Dr. M. Kulkarni Dr. Anand Mohan Dr. B. Amle Dr. M. N. Rangnekar Dr. G. D. Wankhede	16.10.2015 to 18.10.2015	National Workshop of Veterinary Orthopedic Foundation at KNPCVS, Shirwal
4.	Dr. C.S. Mote	26.10.2015 to 28.10.2015	2 nd Indo Global Veterinary Summit and Expo-2015 at Hyderabad, India organized by Omix International Ltd, USA at Hyderabad
5.	Dr. M. B. Amle Dr. M. N. Rangnekar	03.12.2015 to 05.12.2015	XXXI Annual Convention of Indian Society for Study of Animal Reproduction (ISSAR) on 'Current challenges and opportunities in animal reproduction' at Veterinary College, Bengaluru (Karnataka).
6.	Dr. V. D. Kale	09.12.2015 to 12.12.2015	Training on "Hands on training programme on Theloresectoscopy for management of teat obstruction in cattle" at Dept of of Vet. Surgery & Radiology Rajiv Gandhi Institute of Veterinary Education and Research (RIVER) TVCC, Puducherry.
7.	Dr. A. V. Khanvilkar. Dr. S.M. Bhokre.	12.12.2015 to 13.12.2015	National conference on 'Global Research Initiatives for Sustainable Agriculture and Allied Sciences' at Gwalior.
8.	Dr. S. B. Lambate	16.12.2015 to 18.12.2015	XXX Annual convention of IAVA and national symposium on "Recent advance in Veterinary Anatomy & its applications in the felid of animal health, production and biotechnology" at Kolkata
9.	Dr. V. U. Dhande	23.01.2016 to 24.01.2016	National Seminar on "Plant Genomics and Biotechnology Challenges and Opportunities in 21 st Century" at University of Agriculture and Biotechnology, Bhubaneswar (Odisha).
10.	Dr. A.V. Khanvilkar. Dr. G. S. Sonawane	28.01.2016 to 31.01.2016	International Livestock Conference and Expo (23 rd Annual Convention, of ISAPAM-2016) Organize by the Southern Chapter, at ISAPAM, Rajendranagar, Hyderabad.
11.	Dr. Smita R. Kolhe	02.01.2016 to 22.01.2016	ICAR sponsored 21 days training on "Role of gender in mainstreaming" at IARI, New Delhi



12.	Dr. V. D. Lonkar	03.02.2016 to 23.02.2016	“Recent Strategies and Development in Diversified Poultry for improvement of rural economy of small and marginal farmers” at Department of Poultry Science, Veterinary College and Research Institute, Namakkal Tamil Nadu
13.	Dr. P. P. Mhase		“Development of validated diagnostic assays and accreditation of diagnostic laboratory” at Hissar
14.	Dr. M. P. Nande	08.02.2016 to 12.02.2016	“Social Media for Effective sharing of Agricultural Information and Knowledge” at Hyderabad
		25.02.2016 to 02.03.2016	NSS- Foundation Training Course at Ahmednagar
15.	Dr. Y. B. Jadhav	17.02.2016 to 19.02.2016	XXXIV Annual conference of Indian Society for Veterinary Medicine at GADVASU, Ludhiana
16.	Dr. V. D. Kale		XXV th National Congress of Veterinary Parasitology, organized by Indian Association for Advancement of Veterinary Parasitology at Madras Veterinary College, Chennai
17.	Dr. B.P. Kamdi Dr. G. D. Wankhede	16.02.2016 to 20.02.2016	“Diagnostic approaches of zoonotic diseases” organized by Dept of VPHE, NVC under ICMR funded project at NVC, Nagpur

Training / Workshop / Conferences / Symposium etc. organized by the College

Sr. No.	Date	Name of Conference / Symposium etc.	Number of Participants
1.	29.05.2015	Meeting of Agricultural Advisory Committee for Narrowcasting Krishidarshan Programmes of Doordarshan Kendra Pune	30
2.	15.09.2015	Parents-Teachers Meet for 1 st Year students	60
3.	21.10.2015	Orientation Programme for 1 st Year students	60
4.	08.10.2015 to 10.10.2015	14 th Annual Conference of Indian Association of Women Veterinarians and National Seminar on “Recent Advances in Veterinary & Animal Sciences and Role of Women Veterinarian”.	199
5.	16.10.2015 to 18.10.2015	Hands on training programme on ‘Fundamentals in Fracture Repair-Part one’	100
		Total	449



Prof. A. K. Misra, Hon'ble Vice-Chancellor, Dr. Umesh Chandra Sharma among other dignitaries present on the dias at the inaugural function of the lady conference.

7.E. COLLEGE OF VETERINARY AND ANIMAL SCIENCES, UDGIR

Sr.No.	Name of Teacher	Date	Name of Conference / Symposium etc
1.	Dr. A.U. Bhikane	13.08.2015 to 14.12.2015	7 th International Clinical Case Conference on 'Farm and Companion animal practice for Veterinary students' held at Veterinary College and Research Institute, Namakkal
2.	Dr. S.S. Kulkarni	10.04.2015 to 11.04.2015	Participated in VCI meeting for restructure of Physiology Syllabus held at COVAS, Mhow, MP.
3.	Dr. A.M. Shende	03.12.2015 to 05.12.2015	'Current challenges and opportunities in animal reproduction' at Bangalore
4.	Dr. (Mrs) M.K. Patil	03.06.2015 to 22.06.2015	"Heavy metal pollutants in environment effect on animal and mitigation", Izzatnagar
5.	Dr. R.C.Kulkarni	04.02.2015 to 24.02.2015	"Perspectives for combating exotic and emerging diseases of poultry for sustainable poultry production and marketing" at Namakkal (T.N.)
6.	Dr. A.V.Bhonsle	26.10.2015 to 04.11.2015	Short Course on 'Metagenomics - Role of Next Generation Sequencing and Bioinformatics' organized by AAU, Anand.
7.	Dr. V.S. Waskar	13.05.2015 to 14.05.2015	ASM International Workshop on 'Culture of Responsibility, Pathogen Inventory management and Fundamentals of Working with Biosafety Cabinets' at ICAR-National Institute of High Security Animal Diseases, Bhopal.



8.	Dr. R.D. Suryawanshi	07.09.2015 to 09.09.2015	National workshop on 'Molecular subtyping of microbes using Pulsed Field Gel Electrophoresis', Nagpur Veterinary College, Seminary Hills, Nagpur
		19.10.2015 to 20.10.2015	1 st Annual Conference of SRL & NAWAR & National Symposium on 'Concepts in Zoonoses & Health in New Millennium', Nagpur Veterinary College, Nagpur
		16.02.2016 to 20.02.2016	National Workshop on "Diagnostic Approaches for Zoonotic Diseases" under Niche Area of Excellence Program on Centre for Zoonoses, Nagpur Veterinary College, Nagpur
9.	Dr. M.A.Khan	03.12.2015 to 05.12.2015	XXXII Annual Conference of Indian Association of Veterinary Pathologists, NTR College of Veterinary Science, Gannavaram, Andhra Pardesh
10.	Dr.W.A.A.Ahmed	04.02.2015 to 24.02.2015	An Advanced short course on 'Rumen function and microbial diversity : A Metagenomic Approach' at IVRI, Izatnagar
11.	Dr. Mohammad Raziuddin	07.09.2015 to 16.09.2015	"Applications of genomic and proteomic technologies in meat quality and food safety research" at NRCM, Hyderabad Telangana
12.	Dr.C. L. Badgujar	04.12.2015 to 05.12.2015	7 th National Symposium on 'Companion Animal Prcatice' at Ooty, Tamil Nadu
13.	Dr. Prachi E. Taksande	01.09.2015 to 03.09.2015	XXXIX Annual Congress of Indian Society for Veterinary Surgery (ISVS) and National Symposium on 'Recent Innovations in Diagnosis & Treatment of Surgical Disorders in Ruminants and Equines with particular applicability in Hilly Terrain' at Srinagar, Kashmir

Training / Workshop / Conferences / Symposium etc. organized by the College

Sr. No.	Date	Name of Conference / Symposium etc.	Number of Participants
1.	29.10.2015 to 30.10.2015	Hands on training on 'Student Cycle Management System Software'	55
2.	25.04.2015	Seminar on 'Vector Borne Zoonotic Diseases' held at COVAS, Udgir.	80
3.	06.07.2015	Seminar on 'Zoonotic Diseases of Animals' held at Zilla Parishad Osmanabad on eve of World Zoonosis Day	110
4.	23.07.2015	Workshop on 'Common ailments of equines' held at COVAS, Udgir	60



5.	02.12.2015 to 08.12.2015	Training Programme on 'Poultry Entrepreneurship Development'	08
6.	02.02.2016 to 03.02.2016	'Administrative and Accounts Training for Academic & Non-academic Staff', College of Veterinary & Animal Sciences, Udgir	48
7.	08.03.2016	Workshop on 'Sujan Mahila-Saksham Mahila' organized by Saksham Samiti, COVAS, Udgir	37
Total			398



Prof. Dr.Bharti Patil addressing the participants in the workshop on 'Sujan Mahila - Saksham Mahila'

7.F. POST GRADUATE INSTITUTE OF VETERINARY & ANIMAL SCIENCES, AKOLA

Sr.No.	Name of Teacher	Date	Name of Conference / Symposium etc
1.	Dr. P. S. Kuralkar Dr. M. V. Khodke	08.10.2015 to 10.10.2015	XIV Annual conference of IAWV & National Seminar on, 'Recent advances in Veterinary & Animal Sciences & Role of Women Veterinarian' at KNP College of Veterinary Science, Shirwal
2.	Dr. M.V.Ingawale	22.06.2015 to 24.06.2015	Workshop on 'Mentoring Skill' at YASHDA, Pune



3.	Dr. H. S. Birade	03.12.2015 to 05.12.2015	Participated in 31 st Annual Convention of ISSAR and National Symposium on 'Current Challenges and Opportunities in Animal Reproduction' at Bangluru.
		22.02.2016 to 24.02.2016	Training course on 'Vibrant Governance' at YASHADA, Pune
		27.02.2016 to 28.02.2016	Participated in 16 th Indian Veterinary Congress(IAAVR) at Bhuwaneshwar
4.	Dr S. Sajid Ali	21.06.2015 to 24.06.2015	Short term training on 'Mentoring Skills' at YASHADA, Pune
5.	Dr. P. S. Bankar	20.07.2015 to 24.07.2015	Short Term Training on "Direct Trainers Skill" at YASHADA, Pune
6.	Dr. S. P. Waghmare	18.05.2015 to 20.05.2015	National level training program on Systemic Approach to Training (SAT) at YASHADA, Pune.
7.	Dr. Fani Farheen Anjum	01.09.2015 to 03.09.2015	39 th Annual Congress of ISVS and National Symposium at Division of Surgery and Radiology, Shrinagar.
8.	Dr. M. G.Thorat	05.05.2015 to 09.05.2015	Workshop on 'Case Study writing' at YASHADA, Pune.
9.	Dr. D. R. Ambulkar	05.11.2015	One day Awareness / Sensitization Programme on 'Intellectual Property Rights (IPR)' at MEME- Development Institute, Nagpur
		23.11.2015 to 25.11.2015	Three days Workshop on 'Solar Energy Utilization (SUN) for Sustainable Development' at CSIR-NEERI, Nagpur
10.	Dr. K. K. Khose	19.11.2015 to 21.11.2015	XXXII Annual conference of IPSACON-2015 on 'Clean and Green Poultry Production' at Thiruvazhamkunnu, Palakkad, Kerala

Training / Workshop / Conferences / Symposium etc. organized by the College

Sr. No.	Date	Name of Conference / Symposium etc.	Number of Participants
1.	17.11.2015 to 18.11.2015	Training on 'Students Cycle Management System Software'	50
2.	07.12.2015 to 12.12.2015	'Animal health management and first aid' held at TVCC, PGIVAS, Akola	25



3.	19.03.2016 to 20.03.2016	Training programme on 'Effective presentation & effective public speaking'	30
Total			105

7.G. DAIRY TECHNOLOGY COLLEGE, WARUD

Sr.No.	Name of Teacher	Date	Name of Conference / Symposium etc
1.	Mr. N. M. Khodwe	05.07.2015 to 26.07.2015	Summer School on 'Dairy Business Management' at AAU, Anand
2.	Er. A. V. Dhotre	22.07.2015 to 14.08.2015	Summer school on 'Biomass, Biofuel: Tech, Climate change and Environment' at CIAE, Bhopal.
3.	Mr. H. M. Gawande, N. M. Khodwe, A. V. Dhotre, Dr. P. G. Wasnik	16.02.2016	State level seminar on 'Recent Advances in Dairy Processing' at Vivekanand College, Aurangabad

7.H. COLLEGE OF DAIRY TECHNOLOGY, UDGIR

Sr.No.	Name of Teacher	Date	Name of Conference / Symposium etc
1.	Mr. C.D. Shete	15.01.2016	One Day National conference on 'Advancement and Challenges for College Libraries in I. T. Era' Deoni, Dist- Latur (MS)

Training / Workshop / Conferences / Symposium etc. organized by the College

Sr. No.	Date	Name of Conference / Symposium etc.	Number of Participants
1.	11.03.2016	Guidance for competitive exam & Skill Development	121
2.	15.03.2016	Workshop 'Personality Development'	115
Total			236



7.I. COLLEGE OF FISHERY SCIENCE, NAGPUR

Conference/Symposium/Workshop/Summer and Winter School/Seminar/Short term training courses etc. attended by the teacher.

Sr.No.	Name of Teacher	Date	Name of Conference / Symposium etc
1.	Shri. S. A. Joshi	08.07.2015 to 28.07.2015	'Advance in Processing, Value addition and By-product utilization of Livestock and Fish Produce' at Central Institute of Fisheries Technology, Kochi
2.	Shri. S. S. Relekar	19.10.2015 to 20.10.2015	"Concepts of Zoonosis and health in new millennium" at NVC, Nagpur
3.	Shri. S. B. Gore	18.11.2015 to 08.12.2015	"Recent Advances in Development of Automatic Systems/ Machines for Secondary Agriculture" at Ludhiana, Punjab
4.	Shri. S. S. Relekar	16.02.2016 to 20.02.2016	National Workshop on "Diagnostic approaches for zoonotic diseases" at NVC, Nagpur

7.J. COLLEGE OF FISHERY SCIENCE, UDGIR

Sr.No.	Name of Teacher	Date	Name of Conference / Symposium etc
1.	Mr. V.B. Sutar	05.01.2016 to 25.01.2016	Winter school on 'Technological Advances in Mariculture for Production Enhancement and Sustainability' at Central Marine Fisheries Research Institute, (CMFRI), Kochi, Kerala
2.	Mr. A.T. Tandale	18.11.016 to 08.12.2016	ICAR- Winter School on 'Recent Advances in the Development of automatic systems/ machines for secondary agriculture' at ICAR- Central Institute of Post Harvest Engineering & Technology, Ludhiana (Punjab)
		25.02.2016 to 02.03.2016	'100 th Orientation programme at NSS-ETI' at Ahemadnagar college, Ahemadnagar.
3.	Mr. A.T. Markad	30.09.2015 to 20.10.2015	'Geospatial Technologies' at Tamilnadu Agriculture University, Coimbatore
4.	Dr. A.S. Kulkarni	02.09.2016 to 22.09.2016	"Communication and Management Tools and Approaches for Agricultural Extension" at Indian Agricultural Research Institute, New Delhi
5.	Mr. S. N. Kunjir	02.02.2016 to 22.02.2016	Winter school on "Changing Methodological Paradigm in Extension Research" at Division of Social Sciences, Central Rice Research Institute, Cuttack, Odisha



6.	Dr. S. R. Yadav	08.12.2015 to 18.12.2015	CAFT sponsored training programme on 'Nutrigenomic Approaches in fish nutrition research' at CIFE, Mumbai
		15.09.2015	Workshop on 'Avaruddha Panyat Matsya Sanvardhan Va Vikri Vyavsthapan' at Zilha Parishad, Osmanabad
		29.09.2015	State Level work shop on 'Adhunik Matsya Sanvardhan' at Arts, Commerce and Science College, Naldurga, Tal:Tuljapur Dist:Osmanabad

8

RESEARCH

The University is actively engaged in various research activities aimed at enhancing the quality, productivity and efficiency of livestock sector. The university has always maintained a close liaison with the animal, dairy and fishery industries and is striving towards developing a system that continuously scans the needs of the industries and forecasts the solutions, to the imminent challenges faced by the industries. This is an important step towards making the industries in Maharashtra more competitive with their national and international counterparts.

The University has system in place for internal review of these research activities at college level and also at University level. Every year the Animal Science Research Council meetings are convened at constituent colleges to review various research activities carried out at these

colleges. The recommendations proposed in these meetings are finally placed in the Joint Animal Science Research Council meeting under the chairmanship of Hon'ble Vice Chancellor. The expert members from various streams of animal, dairy and fishery sciences are invited for the Joint Animal Science Research Council Meetings, for their valuable inputs and meaningful discussions on recommendations and research programmes of the University. This significantly helps the University to identify the thrust areas and prioritize its commitments as far as the research mandate is concerned. The recommendations are finally published for the benefit of livestock farmers, veterinary practitioners, field veterinarians and livestock industries.



8.A. Ongoing Research Project :

8.A.1. Funding Agency wise number of ongoing research projects

Sr. No.	Name of the funding agency	No. of project	Budget Rs. in Lakhs
1	Department of Biotechnology, Govt. of India, New Delhi	6	453.86
2	Indian Council of Agricultural Research, New Delhi	16	1564.78
3	Rashtriya Krishi Vikas Yojana, Govt. of Maharashtra	4	465.53
4	Government of Maharashtra	1	180.74
5	Private Agency Scheme	9	24.31
	Total Number of Projects	36	2689.22

8.A.2. Institute wise number of ongoing research projects

Sr. No.	Name of the college	No. of project	Budget Rs. in Lakhs
1	Bombay Veterinary College, Mumbai	12	846.28
2	Nagpur Veterinary College, Nagpur	13	1417.83
3	College of Veterinary & Animal Science, Parbhani	2	59.14
4	KNP College of Veterinary Science, Shirwal	6	168.17
5	Post Graduate College of Veterinary & Animal Sciences, Akola	3	197.8
	Total	36	2689.22



8.A.3 INSTITUTE WISE NUMBER OF ONGOING RESEARCH PROJECTS

• BOMBAY VETERINARY COLLEGE, MUMBAI

Sr. No	Name of the Project	Name of the PI	Date of Start	Duration	Rs. in Lakhs	Funding Agency
1	Designing Novel Nanobiotechnological Systems for Effective Delivery of Select Indigenous Herbs with Potent Antitubercular activity	Dr. A. S. Bannalikar, Prof. & Head, BVC, Mumbai.	13.06.2013	3 years	3.75	DBT, New Delhi
2	Monitoring of Pesticide Residues at National Level	Dr. R. J. Zende, Associate Professor BVC, Mumbai	22.09.2006	Contd.	205.00	Ministry of Agriculture Govt. of India
3	AICRP on Post Harvest Engineering & Technology	Dr. R. J. Zende, Asso. Prof., BVC, Mumbai	21.07.2009	Contd.	359.75	ICAR, New Delhi
4	Outreach Programme on Zoonotic Diseases	Dr. V. M. Vaidhya, Assistant Professor, BVC, Mumbai	28.08.2009	Contd.	73.04	ICAR, New Delhi
5	Monitoring of Drug Residues and Environmental Pollutants	Dr (Mrs.) M. M. Gatne, BVC, Mumbai	15.12.2009	Contd.	88.00	ICAR, New Delhi
6	Establishment Of Training Centre For Field Veterinarians For Reproductive Health Management Of Livestock Through Assisted Reproductive Technologies	Dr. (Mrs.) S. U. Gulavane, Associate Professor, BVC, Mumbai.	30.09.2014	2 year	78.53	RKVY
7	Establishment of Laboratory for Animals and Birds	Dr. S. D. Moregaonkar, Professor, BVC, Mumbai.	2001	Contd.	4.95	ICAR - Revolving Fund
8	Upliftment and provision of livelihood for S.T. population of Maharashtra State	Dr. Pallampalle, Deputy Director, BVC, Mumbai.	2015-16	1 Year	8.46	ICAR, New Delhi
9	Establishment of layer poultry units for sustainable and improving the livelihood of tribals in Maharashtra	Dr. A. S. Ranade, Professor, BVC, Mumbai.	2015-16	1 Year	8.80	ICAR, New Delhi
10	Study on Organic Calcium in Layers	Dr. D. N. Desai, Assistant Professor, BVC, Mumbai	31.12.2015	5 months	5.00	M/s. Orffa Animal nutrition Pvt. Ltd.



11	Risk assessment of Antibiotic Residue and <i>Salmonella</i> spp. in Chicken meat Production	Dr. R. J. Zende, Professor, BVC, Mumbai	Dec.15	UP to 2017	5.00	M/s Vista Processed Foods Pvt. Ltd
12	The Development of PCR based diagnosis of <i>Mycoplasma</i> sp. in Poultry	Dr. Mrs. S. B. Majee Professor, BVC, Mumbai.	20/01/14	2 years	6.00	M/s Huvepharma (SEA) Pvt Ltd, Pune
				Total	846.28	

• NAGPUR VETERINARY COLLEGE, NAGPUR

Sr. No.	Name of the Project	Name of the PI	Date of Start	Duration	Rs. in Lakhs	Funding Agency
1	Molecular Epidemiology of <i>Listeria monocytogenes</i> Isolated from Food and Clinical Sources	Dr. N. V. Kurkure, Associate Professor, NVC, Nagpur	22.03.2012	3 years	57.70	DBT
2	DBT Network Project on Brucellosis	Dr. N. V. Kurkure, Associate Professor, NVC, Nagpur	27.09.2012	3 years	114.70	DBT
3	Molecular Epidemiology of Ticks & Tick-borne disease, Host Resistance and Development of Novel Pathogen Vaccines	Dr. S. W. Kolte, Associate Professor, Nagpur Veterinary College, Nagpur	31.03.2014	3 year	110.51	DBT
4	M. V. Sc. in Animal Biotechnology Teaching Programme	Dr. V. C. Ingle, Associate Prof. NVC, Nagpur	09.09.2009	3 year	109.20	DBT
5	Outreach Programme on Zoonotic Diseases	Dr. S. P. Chaudhari, Associate Professor, NVC, Nagpur	28.08.2009	Contd.	73.04	ICAR
6	Centre for Zoonoses	Dr. S. P. Chaudhari, Associate Professor, NVC, Nagpur	30.03.2015	3 years	437.84	ICAR
7	Establishment of Training and Demonstration Centre on Commercial Poultry Farming Under MAFSU	Dr. M. M. Kadam, Assistant Professor, NVC, Nagpur	30.09.2014	3 years	154.00	RKVV



8	Empowerment of tribal population through improved poultry rearing practices in Gadchiroli District of Maharashtra	Dr. M. M. Kadam, Assistant Professor, NVC, Nagpur	2015-16	01 year	4.00	ICAR
9	Raising of Tribal Livelihood: Quality milk production through udder health management practices	Dr. S. P. Chaudhari, Associate Professor, NVC, Nagpur	2015-16	01 year	66.10	ICAR
10	Tribal Sub Plan Establishment of community based animal husbandry practices in the tribal villages of Gadchiroli district of Maharashtra State	Dr. M. S. Patil, Assistant Professor, NVC, Nagpur	2015-16	01 year	19.00	ICAR
11	Establishment of Wildlife Research & Training Centre at Gorewada Zoo & Rescue Centre , Nagpur	Dr. N. P. Dakshinkar, Professor, NVC, Nagpur	2013-14	Contd.	180.74	FDCM, Maharashtra State
12	Ovarian response after treatment with Janova & Estrofarm in postpartum anestrous and other cases of specific and non specific anestrus in cattle	Dr. S. K. Sahatpure, Associate Professor, NVC, Nagpur.	2015-16	1 Year	1.00	M/s Ayurved Limited, Baddi , Solan, H.P.
13	Critical Care Unit	Dr. N. P. Dakshinkar, Professor, NVC, Nagpur.	2012-13	2 Year	90.00	ICAR
Total				1417.83		

• COLLEGE OF VETERINARY AND ANIMAL SCIENCES, PARBHANI

Sr. No	Name of the Project	Name of the PI	Date of Start	Duration	Rs. in Lakhs	Funding Agency
1	Study on Comparative efficacy of certain mycotoxin binder products in experimentally induced combined mycotoxicosis in broilers	Dr.B.M.Kondre Assistant Professor, COVAS, Parbhani.	Mar-16	1 year	1.14	M/s Ayurved Limited, Baddi , Solan, H.P.
2	Strengthening of Life Science and Biotechnology Education and Training of undergraduate level under Star College Scheme	Dr.P.V.Nandedkar, Assistant Professor, COVAS, Parbhani.	27.11.2015	3 years	58.00	DBT
	Total				838.38	


• KRANTISINH NANASAHEB PATIL COLLEGE OF VETERINARY SCIENCES, SHIRWAL

Sr. No	Name of the Project	Name of the PI	Date of Start	Duration	Rs. in Lakhs	Funding Agency
1	Association of Sperm mitochondrial functional markers with semen quality traits in Murrah Buffalo	Dr. S. N. Jadhav, Assistant Professor, KNP COVS, Shirwal	10.03.2016	2 years	30.00	ICAR
2	Prevention and Therapeutic Management for Diseases Causing Reproductive Failures in Animals	Dr. Mrs. Kavita Khillare, Asst. Professor, KNP COVS, Shirwal	11.03.2015	3 years	132.00	RKVV
3	Evaluation of restobal in management of different stressors in cattle and pig (Ayurved)	Dr. M.D. Meshram, Professor, KNP COVAS, Shirwal.	Nov. 2015	1 year	2.80	M/s Ayurved Limited, Baddi, Solan, H.P.
4	Studies on efficacy of prophylactic and therapeutic Salcochek against diarrhea in broilers (Ayurved)	Dr. P.P. Mhase, Assistant Professor, KNP COVAS, Shirwal.	March, 2016	6 months	1.25	M/s Ayurved Limited, Baddi, Solan, H.P.
5	To assess the efficacy of response on induced respiratory stress in broilers (Noble AgroVet)	Dr. S. P. Chaudhari, Associate Professor, NVC, Nagpur	February 2016	6 months	1.52	M/s Noble Agro Vet
6	Assessment of performance of commercial broilers in Swastik Kukdoo Backyard Poultry House	Dr. V.D. Lonkar, Assistant Professor, KNP COVS, Shirwal.	January 2016	42 days	0.60	Sahyandri Industries Pvt. Ltd., Pune
Total					168.17	

• POST GRADUATE INSTITUTE OF VETERINARY AND ANIMAL SCIENCES, AKOLA

Sr. No.	Name of the Project	Name of the PI	Date of Start	Duration	Rs. in Lakhs	Funding Agency
1	Outreach/Network Programme on Estimation of Methane Emission under Different Feeding Systems and Development of Mitigation Strategies	Dr. R. N. Dhore, Professor, PGIVAS, Akola.	19.01.2009	Contd.	71.8	ICAR
2	Balancing the Ration of Lactating Buffaloes to Increase the Productivity and Reduced Methane Emission and Providing Livelihood Security Through Livestock Keeping in Tribal Area of Melghat (Dist. - Amaravati) M.S	Dr. R. N. Dhore, Professor, PGIVAS, Akola.	22.09.2011	Contd.	25	ICAR



3	Establishment of Training and Demonstration Centre on Commercial Poultry Farming Under MAFSU	Dr. S. J. Manwar, Assistant Professor, PGIVAS, Akola	30.09.2014	3 years	101	RKVY
				Total	197.8	

8.B. COMPLETED RESEARCH PROJECTS

8.B.1. FUNDING AGENCY WISE NUMBER OF COMPLETED RESEARCH PROJECTS IN 2015-16

Sr. No.	Name of the funding agency	No. of projects	Budget Rs. in Lakh
1	DST- Engineering Research Board (SERB), DST, New Delhi	4	60.63
2	Department of Biotechnology, New Delhi	1	30.24
3	Indian Council of Agricultural Research, New Delhi	2	138.25
4	Indian Council of Medical Research	1	9.37
5	Government of Maharashtra	1	100.02
6	Agricultural Technology Management Akola	2	7.00
7	Rashtriya Krishi Vikas Yojana, Govt. of Maharashtra, Mumbai	1	200.00
8	Science & Technology Commission, Mumbai	1	64.19
9	Bhabha Atomic Research Centre, Mumbai	1	24.4
10	Agency Schemes	12	19.24
	Total	26	653.34

8.B.2. Institute wise number of completed research projects (Abstract)

Sr. No.	Name of the institute	No. of project	Budget Rs. in Lakh
1	Bombay Veterinary College, Mumbai	8	161.15
2	Nagpur Veterinary College, Nagpur	3	121.02
3	College of Vet. & Ani. Sciences, Parbhani	2	62.14
4	KNP COVS, Shirwal	6	34.19
5	Post Graduate Institute of Veterinary & Animal Sciences, Akola	3	5.00
6	College of Veterinary & Animal Sciences, Udgir	2	200.65
7	College of Fishery Science, Nagpur	2	69.19
	Total	26	653.34



8.B.3. INSTITUTE WISE COMPLETED RESEARCH PROJECTS:

• BOMBAY VETERINARY COLLEGE, MUMBAI

Sr. No.	Name of Scheme	Name of P. I. & Address of Institution	Date of Start	Duration	Name of Funding Agency	Rs. in Lakhs
1	Characterization and Genotyping of the Genes Influencing Ovulation in the Osmanabadi Breed of Goat	Dr. Aakash Doiphode, Assistant Professor, BVC, Mumbai	22.06.2012	3 years	DST	25.00
2	Molecular Characterization of Genes & Analysis of Genotypes Affecting Growth Rate in the Osmanabadi Breed of Goats	Dr. Aakash Doiphode, Assistant Professor, BVC, Mumbai	29.10.2013	3 years	DST	12.00
3	In Vitro & In Vivo Acaricide Efficacy of some Herbal Extracts against Ticks of Cattle (NIF)	Dr. Gopal Bharkad, Associate Professor, BVC, Mumbai	13.06.2012	3 years	DST	3.63
4	Development of Gossypol-free Lysine-Cottonseed Cake by solid State Fermentation	Dr. A. S. Bannalikar, Professor & Head, BVC, Mumbai.	01.06.2012	2 years	ICAR	77.25
5	Nanotechnology Based Diagnostic Module for Detection of Brucellosis	Dr. (Mrs.) S. B. Majee, Associate Professor, BVC, Mumbai	21.02.2012	3 years	ICMR	9.37
6	Estimation of Hormonal Profile, Metabolites and Milk Composition During Lactation in Bovines and Validation of Bovine Growth Hormone RIA Kit	Dr. S. D. Ingole, Professor, BVC, Mumbai.	01.04.2013	3 years	BARC	24.40
7	Effect of feeding various probiotics on performance of commercial layers	Dr. D. N. Desai Assistant Professor, BVC, Mumbai	26. 03.2015	7 months	M/s. Evonik (SEA) Pvt. Ltd.	9.00
8	Isolation and identification of IBDV from field samples by conventional and molecular techniques	Dr. Mrs. S. B. Majee, Associate Professor, BVC, Mumbai.	Feb. 2015	6 months	Boehringer Ingelheim Pvt. Ltd.	0.50
						Total 161.15


• NAGPUR VETERINARY COLLEGE, NAGPUR

Sr. No.	Name of Scheme	Name of P. I. & Address of Institution	Date of Start	Duration	Funding Agency	Rs. in Lakhs
1	Deciphering role of miRNA in chicken embryonic developmental pathology and its evaluation as therapeutics in immune suppressed chicks.	Dr. P. A. Tembhurne, Assistant Professor, NVC, Nagpur	2012	03 years	DST	20.00
2	To create a facility of Animal Ambulance for large animals to all the Veterinary Colleges under MAFSU	Dr. N. P. Dakshinkar, Professor, NVC, Nagpur	2013-14	02 years	Govt of Maharashtra	100.02
3	Evaluation of efficacy of polyherbal uterine cleanser and restorative products for treatment of various reproductive disorders in cows	Dr. S. K. Sahatpure, Associate Professor, NVC, Nagpur.	2014	01 year	M/s Ayurvet Limited, Baddi, Solan, H.P.	1.00
						Total 121.02

• COLLEGE OF VETERINARY & ANIMAL SCIENCES, PARBHANI

Sr. No.	Name of Scheme	Name of P. I. & Address of Institution	Date of Start	Duration	Funding Agency	Rs. in Lakhs
1	Network programme on Blue Tonge	Dr. Vivek Deshmukh Associate Professor, COVAS, Parbhani	28.08.2009	5 years	ICAR	61.00
2	Study on Comparative efficacy of certain mycotoxin binder products in experimentally induced combined mycotoxicosis in broilers	Dr.B.M.Kondre, Assistant Professor, COVAS, Parbhani	March 2016	1 Year	M/s Ayurvet Limited, Baddi, Solan, H.P.	1.14
						Total 62.14


• KNPCOVs, SHIRWAL

Sr. No.	Name of Scheme	Name of P. I. & Address of Institution	Date of Start	Duration	Funding Agency	Rs. in Lakhs
1	Sustainable Rural Livelihood Security of Women of Satara Districts of Maharashtra through Diversified Turkey Farming.	Dr. A. S. Kadam, Assistant Professor, KNP COVS, Shirwal	2012	3 years	DBT, New Delhi	30.24
2	Efficacy evaluation of herbal antidiarrhoeal product in treatment of specific and non specific diarrhea in calves	Dr. M.D. Meshram, Professor, KNP COVS, Shirwal.	Nov.2015	1 year	M/s Ayurved Pvt., Ltd., Baddi (H.P.)	0.45
3	To evaluate comparative therapeutic efficacy of AV/RMP/23 and Pachoplus against indigestion in dairy animals	Dr. M.D. Meshram, Professor, KNP COVS, Shirwal.	Nov.2015	1 year	M/s Ayurved Pvt., Ltd., Baddi (H.P.)	0.82
4	Efficacy evaluation of Mastilep gel and herbal spray (AV/AMS/15) in subclinical mastitis in bovines .	Dr. S. T. Borikar, Assistant Professor, KNP COVS, Shirwal.	January, 2014	6 months	M/s Ayurved Pvt., Ltd., Baddi (H.P.)	0.97
5	Scientific field trial of Albomar to evaluate its anthelmintic effect on control of GIT parasites in productive cross bred animals	Dr. S. T. Borikar, Assistant Professor, KNP COVS, Shirwal.	January, 2013	6 months	M/s Ayurved Pvt., Ltd., Baddi (H.P.)	0.86
6	Efficacy evaluation of supplementing AV/KPC/12 & other products for treatment of clinical ketosis in bovines	Dr. S. T. Borikar, Assistant Professor, KNP COVS, Shirwal.	August, 2013	1 year	M/s Ayurved Pvt., Ltd., Baddi (H.P.)	0.85
					Total	34.19



• POST GRADUATE INSTITUTE OF VETERINARY & ANIMAL SCIENCES, AKOLA

Sr. No.	Name of Scheme	Name of P. I. & Address of Institution	Date of Start	Duration	Funding Agency	Rs. in Lakhs
1	Studies to evaluate the efficacy of Proease Enzyme in broiler chicken	Dr. K.K.Khose, Assistant Professor, PGIVAS, Akola	2015-16	1 year	M/s SI Industries Pvt. Ltd. Nadurbar	1.00
2	Comparative efficacy of supplementation of liver tonics on the performance of commercial layers	Dr. S.J.Manwar, Associate Professor, PGIVAS, Akola	27.01.2014	2 years	M/s Ayurved Pvt., Ltd., Baddi (H.P.)	2.00
3	Studies on effect of hoof affection on production and reproduction in cattle	Dr. R V. Raulkar, Assistant Professor, PGIVAS, Akola	03.11.2014	2 years	ATMA	2.00
						Total 5.00

• COLLEGE OF VETERINARY & ANIMAL SCIENCES, UDGIR

Sr. No.	Name of Scheme	Name of P. I. & Address of Institution	Date of Start	Duration	Funding Agency	Rs. in Lakhs
1	Strengthening of Feed Testing Laboratory	Dr. A. B. Kanduri, Associate Professor, COVAS, Udgir.	06.02.2015	1 year	RKVY	200.00
2	Clinical trial on Tolfenamic acid	Dr. (Mrs) M.K. Patil, Assistant Professor, COVAS, Udgir	2014	08 months	Vitoquinol India Animal Health Pvt.Ltd, Mumbai	0.65
						Total 200.65

• COLLEGE OF FISHERY SCIENCE, NAGPUR

Sr. No.	Name of Scheme	Name of P. I. & Address of Institution	Date of Start	Duration	Funding Agency	Rs. in Lakhs
1	Demonstration and Training of Fish stock Enhancement of Small Reservoirs of the Vidarbha and Marathwada Region of Maharashtra	Shri. Rajiv. H. Rathod, Assistant Professor, CFS, Nagpur	12.06.2009	4 years	STC, Mumbai,	64.19
2	Inventorying Fish Fauna of Selected Reservoirs in Nagpur District.	Dr. S. S. Ghatge, Assistant Professor, CFS, Nagpur	22.08.2013	1 year	ATMA	5.00
						Total 69.19



8.C. Research Recommendations

13th Joint Animal Science Research Council Meeting 2013-14 was held on 31st May, 1st and 2nd June 2015 at University Head Quarter, MAFSU, Nagpur under the Chairmanship of Hon'ble Vice-Chancellor, MAFSU, Nagpur. The Joint Animal Science Research Council approved the following research recommendations

Sr. No	Details of the project and Recommendations	
1	Project No.	BVC/Mumbai/ Poultry Science/01/2015
	Title of project	To study the effect of Saponin and Inulin singly or in combination on performance and gut health of broilers.
	Recommendation	It is recommended to supplement the combination of Soapnut (<i>Sapindus mukorossi</i>) powder @ 50 g/T of feed (providing saponin @ 0.005 g/kg of feed) and Chicory root powder @ 250 g/T of feed (providing inulin @ 0.1 g/kg of feed) in broilers to get improved performance and profits
2	Project No.	BVC/Mumbai/ Poultry Science/02/2015
	Title of project	Effect of feeding different levels of Rice Distillers Dried Grains with Solubles (RDDGS) on performance of broilers
	Recommendation	It is recommended to use Rice Distillers Dried Grains with Solubles (RDDGS) in broiler diets after testing as it has negative effects on the performance of broilers.
3	Project No.	BVC/Mumbai/ Poultry Science/03/2015
	Title of project	Replacing dietary soybean meal protein by various levels of rapeseed meal in broilers.
	Recommendation	It is recommended to use rapeseed meal protein by replacing soyabean meal protein at 7% level in broiler diets with enzymes to improve production performance and profit margins.
4	Project No.	NVC/Nagpur/ Poultry Science/04/2015
	Title of project	Study of energy levels in the diet of commercial cockerels.
	Recommendation	In starter and finisher diet of cockerels respectively, it is essential to have 2750 and 2850 Kcal metabolizable energy / kg along with 20% and 18% protein levels to obtain maximum growth in climate at Nagpur.
5	Project No.	COVAS /Parbhani/Poultry Science/05/2015
	Title of project	Studies on super dosing of phytase enzyme on performance of broilers.
	Recommendation	Supplementation of phytase enzyme at dose level of 1500 FTU/ton of feed is beneficial for obtaining higher productive performance and profits and significantly reducing dietary phosphorus levels and phosphorus excretion by the birds, thereby reducing the environmental pollution.



6	Project No.	BVC/Mumbai/VPH/01/2015
	Title of project	Quality evaluation of ham & chicken salami package using vacuum & MAP
	Recommendation	The ham and chicken salami packed with any of Evoh based or Nylon based or Cryovac packaging materials can be stored for 6 weeks using vacuum packaging and 7 weeks using modified atmosphere packaging (70% N ₂ and 30% CO ₂) system at refrigeration storage (0-4 °C) than ordinary packaging method for 3 weeks.
7	Project No.	DTC/Warud/01/2015
	Title of project	Study on suitability of paneer whey for flavored jelly confection
	Recommendation	One Kg Paneer whey based jelly like confection of acceptable sensory quality is produced from 500 gm paneer whey, 475 gm sugar, 15 g pectin, 10 g citric acid and 0.5 ml colour and 1 ml flavor, which has storability of 30 days at 32 ± 1 °C.
8	Project No.	PGIVAS/Akola/Pharmacology/01/2015
	Title of project	Evaluation of anti-inflammatory activity of <i>Cassine glauca</i> (Rottb) leaves in mice.
	Recommendation	Hydroethanolic leaf extract of <i>Cassine glauca</i> possesses anti-inflammatory activity.
9	Project No.	COFS/Nagpur/01/2015
	Title of project	Inventorying fish fauna of selected reservoirs in Nagpur district.
	Recommendation	<ol style="list-style-type: none"> 1. Periodical surveys should be undertaken to monitor the fish biodiversity in reservoirs of Nagpur district. 2. Effort regarding conservation of four fish species, which are under endangered category viz: i) <i>Anguilla bengalensis</i> ii) <i>Hypselobarbus kolas</i> iii) <i>Tor khudree</i> and iv) <i>Rita gogra</i> should be undertaken. 3. Although, twelve exotic fish species have been reported in the reservoirs from Nagpur district, culture and trade of <i>Clarias gariepinus</i> and <i>Hypophthalmichthys nobilis</i> should be effectively banned as per Govt. of India guidelines.
10	Project No.	COFS/Udgir/02/2015
	Title of project	Upliftment of farmers through adoption of fish culture practices in farm pond.
	Recommendation	The fish culture practices can be adopted in farm pond of 24m x 24m x 5m size by stocking advanced fingerlings @1200 nos. for culture period of ten months to get an additional income.



11	Project No.	BVC/Mumbai/AN/01/2015.
	Title of project	Effect of partial replacement of cereal grains (Maize) with dry bakery waste in concentrate mixture of lactating buffaloes under field condition
	Recommendation	It is recommended that maize grains in concentrate mixture of buffaloes can be replaced by dry bakery waste up to 50 % level without affecting production performance of buffaloes and reduces the cost of milk production.
12	Project No.	BVC/Mumbai/AN/01/2015
	Title of project	Effect of prebiotics and acidifier combination on performance of broiler chicken
	Recommendation	It is recommended that dietary inclusion of prebiotics (Mannan Oligosaccharides) and Acidifiers, a blend of organic acids (formic, butyric, lactic and fumaric acid) in combination and concentration of 0.05 % each in broiler diet is more beneficial for improving growth performance of broilers and higher margin of profit.
13	Project No.	BVC/Mumbai/VMC/01/2015
	Title of project	Nanotechnology based diagnostic module for the detection of Brucellosis
	Recommendation	It is recommended that immunochromatographic strip test be used for detection of <i>Brucella abortus</i> antibodies in milk of cattle and buffaloes.
14	Project No.	BVC/Mumbai/Surgery/01/2015
	Title of project	Effect of butorphanol tartarate in combination with xylazine and ketamine anaesthesia for single and double incision in gelding.
	Recommendation	Butorphanol tartrate (0.1 mg/kg body weight), Xylazine (1mg/kg body weight) and Ketamine (2.2 mg/kg body weight) combination given intravenously, produces faster and smooth induction, better quality of anesthesia and rapid recovery in gelding operation, in Indian conditions.
15	Project No.	BVC/Mumbai/Surgery/02/2015
	Title of project	Comparative study between laparoscopic assisted and conventional cystotomy in dogs
	Recommendation	Under Indian conditions, laparoscopy assisted gastropexy in gastric dilatation and volvulus (GDV) prone dogs is better procedure to avoid its occurrence and to reduce the size of incision and hospitalization time.



16	Project No.	KNPCOV/Shirwal/Surgery/03/2015
	Title of project	Evaluation of mesenchymal stem cells for therapeutic use in osteoarthritis in canine.
	Recommendation	In the osteoarthritis cases of canine, intra articular injections of AD-MSCs effectively ameliorates discomfort and reduces osto-arthritic pain.

8. D. Memorandum of Understanding

MoU between MAFSU and NRC on Meat, Hyderabad

Memorandum of Understanding between National Research Centre on Meat (NRCM), Hyderabad and Maharashtra Animal and Fishery Sciences University (MAFSU) was signed on 26/05/2015 at MAFSU Head Quarter for facilitating Collaborative Research and Extension activities. Mr. V. V. Rane, Registrar, MAFSU and Dr. V. V. Kulkarni, Director, NRC on Meat, Hyderabad signed MOU in the presence of Prof. A. K. Misra, Hon'ble Vice-Chancellor, MAFSU, Nagpur, Dr. N. N. Zade, Director, Extension and Training and Dr. D. R. Kalorey, Director of Research MAFSU, Nagpur



Signing of MOU between MAFSU and NRC on Meat, Hyderabad

MoU between MAFSU and MSSRF

Memorandum of Understanding between M. S. Swaminathan Research Foundation (MSSRF) and Maharashtra Animal and Fishery Sciences University (MAFSU) was signed on 08/06/2015 at MAFSU Head Quarter. The purpose of this MOU is to set forth the understanding and possible areas of collaboration to support the small holder and landless farmers in the "Farming System for Nutrition" (FSN) project villages under "Leveraging Agriculture for Nutrition in South Asia" (LANSA) in animal farming activities like animal husbandry,

fisheries and any other activity that is pro-nutrition and can be economically viable including livestock management and animal health with access to quality fodder and feed. Mr. V.V.Rane, Registrar, MAFSU and Ms. R.V.Bhavani, Project Manager, LANSA from MSSRF signed the MOU in presence of Prof. A.K. Misra, Hon'ble Vice-Chancellor, MAFSU, Nagpur



Signing of MOU between MAFSU and MSSRF

MoU between MAFSU and NARI

A memorandum of understanding between Nimbkar Agricultural Research Institute, Faltan and Maharashtra Animal & Fishery Sciences University (MAFSU), Nagpur was signed on 07/08/2015 to promote academic, research & extension interaction and cooperation between the two institutes for the development of goat husbandry in the state. The more emphasis will be given on improvement of goat breeds suitable to the respective regions of state.



MoU between MAFSU and CIIMS

A memorandum of understanding between Central India Institute of Medical Sciences, (CIIMS) Nagpur and Maharashtra Animal & Fishery Sciences University (MAFSU), Nagpur was signed on 20/10/2015 to promote academic and research interaction and cooperation between the two institutes. CIIMS and MAFSU will collaborate in the R&D areas of common interest utilizing and sharing available expertise and infrastructure on mutually agreed terms and condition in the field of zoonoses and diagnostic research for health protection. Both the institutes also agreed to collaborate in the development of health awareness, courses, seminar and various training programme. The MOU is valid for five years. Dr. Lokendra Singh (MCh Neurosurgery, DNB, FRCS) and Director CIIMS Hospital and Shri. V. V. Rane, Registrar MAFSU, singed the MOU in presences of Hon'ble Vice Chancellor, Prof. A. K. Misra, Dr. D. R. Kalorey, Director of Research, MAFSU, Dr. N. N. Zade, Director of Extension MAFSU, Dr. H. F. Dagniwala, Director and Head (Research), CIIMS, Nagpur and Dr. Rajpal Kashyap, Senior Research Scientist, CIIMS hospital, Nagpur.



Prof. A.K. Misra, Hon'ble Vice-Chancellor and CIIMS, Director exchanging the signed

MoU between MAFSU and Ayurved Limited, New Delhi

A memorandum of understanding was signed between Maharashtra Animal and Fishery Science University, Nagpur and Ayurved Limited, New Delhi on 07/12/2015. The MoU is signed for developing new technologies in the area of research and development for animal health, nutrition, medicinal plant cultivation and its processing and integrated approach of livestock development. Both the parties agreed to join hands in

providing extension services and promotional material for farmer's education, rural training for entrepreneurship development in the state of Maharashtra. The main objective of the MoU is to mutually take further the science, research and extension technologies to the farmers/livestock owners/entrepreneurs. The MoU was signed by Shri. V. V. Rane, Registrar, MAFSU and Shri Mohanji Saxena, Managing Director, Ayurved Limited in the presence of Prof. A. K. Misra, Hon'ble Vice-Chancellor, MAFSU, Dr. M. V. Joshi, Director of Research, MAFSU, Dr. N. P. Dakshinkar, Associate Dean, Nagpur Veterinary College, Nagpur, Dr. Anup Kalra, Executive Director, Ayurved Limited, New Delhi and Dr. Bhagwan Satale, Hon'ble Executive Council Member, MAFSU was also present on the occasion.



Prof. A. K. Misra, Hon'ble Vice-Chancellor, Shri. V. V. Rane, Registrar, MAFSU & Shri. Mohanji Saxena, MD, Ayurved Ltd. during signing the MoU

8. E. STUDENT'S RESEARCH

8.E.1. Department of Veterinary Anatomy & Histology

8.E.1.a. Title : Comparative histomorphological study of spermatozoa in cattle and buffalo

Conclusions : On the basis of electron microscopical study, it is concluded that Murrah buffalo bull sperm head is more oval in comparison to Holstein Friesian (HF) cattle bull sperm head. Electron microscopically assisted sperm morphometric characterization provides accurate, fast and reproducible measurements.



8.E.1.b. Title : Gross anatomical and histomorphological studies on atria of heart in goat (*Capra hircus*)

Conclusions : All the biometrical parameters were higher in the left atrium as compared with right atrium in male as well as in female goat.

8.E.2. Department of Veterinary Physiology

8.E.2.a. Title : Influence of age on some enzymatic and macroelectrolyte activities in Labrador dogs during the growth phase.

Conclusions : An enzymatic and macroelectrolyte activities ranges that have been obtained from adult animals of a particular breed may not be suitable for individuals of a different breed or age.

8.E.2.b. Title : Serum mineral profile during different stages of growth in female Pandharpuri buffaloes

Conclusions : The serum copper (Cu) and serum iron (Fe) values showed an increasing or apparently increasing trend and serum zinc (Zn), serum sodium (Na) and potassium (K) showed no specific trend with the advancement of age from calves to adult and the values are comparable to earlier reports.

8.E.3. Department of Veterinary Biochemistry

8.E.3.a. Title : Studies on serum thyroid hormones and lipid profile during different laying phases in chicken

Conclusions : Total cholesterol was positively correlated with LDL-C and negatively correlated with HDL-C. Thyroid hormones were positively correlated with egg production.

8.E.3.b. Title : Study on serum thyroid hormones level and protein profile during growth period in broilers

Conclusions : Investigations of relationship of body weight with thyroid hormones and protein profile revealed that there was no significant relationship with both the profiles. Relationship of body weight with uric acid was statistically significant.

8.E.4. Department of Animal Genetics and Breeding

8.E.4.a. Title : Polymorphism of IGFBP-3 and BMP-4 genes associated with growth rate in Osmanabadi goats

Conclusions : In the present investigation, Osmanabadi goats are found to be monomorphic carrying only wild type of allele in both IGFBP-3 and BMP-4 loci. Hence, no association could be established between polymorphic pattern of IGFBP-3 gene and growth traits. Further

investigations will be essential for detecting the polymorphism of this gene in a broad variety of goat breeds and populations.

8.E.4.b. Title : Cytogenetic analysis of breeding rams of NARI Suwarna genetic group

Conclusions : The QFQ-band patterns obtained in the present study for NARI Suwarna ram chromosome helped in identifying almost all the chromosomes.

8.E.5. Department of Animal Nutrition

8.E.5.a. Title : Effect of supplementation of bypass fat during pre and post parturient period on lactation performance of crossbred cows

Conclusions : It is concluded that bypass fat supplementation @ 30 gm/100 kg body weight is beneficial for maintaining the health of animal during critical transition phase, increasing milk production and feed efficiency thereby increasing the profit in dairy business

8.E.5.b. Title : Effect of supplementation of probiotic and enzymes on performance of lactating crossbred cows

Conclusions : It is concluded that better profit margin and production performance can be achieved by the supplementation of probiotic yeast culture (*Saccharomyces cerevisiae*) @ 10 g/ 250 kg body weight/day/cow. However, marginal benefit was observed after supplementation of enzymes @ 300 g/ton of concentrate mixture.

8.E.5.c. Title : Effect of replacement of maize with dry bakery waste in broiler diet

Conclusions : It is concluded that dry bakery waste can be used as alternate feed for maize up to 60% level in broiler diet without any adverse effect on production performances and carcass values of broilers. This inclusion was found to be beneficial and cost effective.

8.E.5.d. Title : Utilization of Tamarind pulp (*Tamarindus indica L.*) as feed supplement in Broiler chicken.

Conclusions : Present study indicates that inclusion of various levels of DTPP reduced overall cost of feeding per kg live weight. Further, inclusion level of 250g DTPP /100kg has shown more superior results in the form of total cost of feed required per kg live body weight along with significantly reduced serum as well as meat cholesterol in Broiler chicken.



8.E.5.e. Title : Studies on supplementation of synthetic lysine, methionine and theonine in corn based low protein diet of broiler chicken.

Conclusions : The reduction in crude protein level up to 7.5 percent with supplementation of lysine, methionine and theonine at 110 to 120 percent level had no adverse effect on the performance of broilers as studied from the parameters such as body weight, feed conversion ratio, dressing percentage, breast meat percentage and net profit per kg etc.

8.E.5.f. Title : Effect of partial replacement of soy bean meal by roasted guar korma with supplementation of beta-mananase enzyme in the diet of broiler chicken.

Conclusions : The partial replacement of soya bean meal by roasted guar korma with supplementation of beta-mananase enzyme had favourable effect on the performance parameters such as body weight, feed conversion ratio, carcass quality and blood parameters etc.

8.E.5.g. Title : Effect of partial replacement of soybean meal with roasted guar (*Cyamopsis tetragonoloba*) korma on performance of broiler chicken.

Conclusions : It was concluded that the roasted guar korma up to 12.5 per cent in the broilers ration replacing soybean meal can be used successfully without any adverse effect on performance.

8.E.5.h. Title : Supplementation of protease & xylanase enzymes in broiler diets with varying protein-energy levels

Conclusions : The supplementation of protease and xylanase @ 200g/ton each with reduction in energy and protein levels by 5 percent found to be more economical than other groups.

8.E.5.i. Title : Comparative study on supplementation of crude soya lecithin and soybean acid oil with addition of lipase enzyme on performance of broiler chicken

Conclusions : Addition of crude soya lecithin and soybean acid oil with addition of lipase enzyme had positive effect on growth performance, carcass traits, hematological parameter, biochemical parameter and economics of broiler production.

8.E.5.j. Title : Effect of germinated fenugreek (*Trigonella foenumgraecum*) seed powder on the performance of broiler chicken

Conclusions : Feeding germinated fenugreek (*Trigonella foenumgraecum*) seed powder increases body weight,

dressing percentage, Hb and lowers the serum cholesterol level.

8.E.5.k. Title : Performance of broiler chicken on dry yeast (*Saccharomyces cervisiae*) supplemented diet

Conclusions : Feeding of dry yeast in broiler chicken increases the body weight, feed efficiency, Hb concentration, PCV, HI titre and improves abdominal fat percentage.

8.E.6. Department of Livestock Production & Management

8.E.6.a. Title : Effect of different rearing systems on growth performance of Deccani Lambs

Conclusions : In present study it was found that stall feeding or stall feeding with 1,2 and 3 hours grazing had no harmful effects on the growth performance of lambs in the summer season. Stall feeding and grazing of lambs did not show any disease incidence or mortality during summer season (grazing was allowed at morning hours only)

8.E.6.b. Title : Effect of floor space under Katcha housing on growth performance of Osmanabadi kids

Conclusions : It can be concluded that there was direct effect of floor space on growth performance of Osmanabadi kids. Hence, the floor space 0.8 m² per kid was found to be ideal.

8.E.6.c. Title : Effect of supplementation of different levels of concentrate on growth performance of Sangamneri kids

Conclusions : It can be concluded that feeding concentrate at the rate 150, 200, 250 g per day per kid is useful for growing kids. In growing kid, to economize goat farming along with improved growth performance and the feed utilization, feeding of kids on higher level of concentrates is beneficial.

8.E.6.d. Title : Morphometric characterization of Marathwadi buffalo in its breeding tract

Conclusions : Marathwadi buffalo have its unique morphometric characterization as a separate breed, and is significantly different from other breeds of buffalo in India.

8.E.6.e. Title : To study goat management practices adopted by goat farmers in Satara Districts

Conclusions : It was observed that considerable number of respondents faced the problems with respect of management of goats like non-availability of grazing land,



shortage of green fodder round the year, high cost of concentrate feed, unavailability of breeding bucks, higher mortality in kids, lack of knowledge about animal diseases and vaccination, and unavailability of veterinary services and medicines in the nearby area.

8.E.6.f. Title : Effect of various genetic and non-genetic factors affecting growth performance of Sangamneri kids.

Conclusions : The results of the present study revealed that, the year of birth had highly significant ($P<0.01$) effect on weights from birth to twelve months of age. The Sangamneri kids borned in singles were significantly ($P<0.05$) heavier than twins and triplets.

8.E.6.g. Title : Effect of azolla meal supplementation on health status and economics in Osmanabadi does

Conclusions : The crude protein content in azolla meal is higher as compared to goat pellets. Azolla meal upto 25 % in the concentrate supplementation in does ration is beneficial. Azolla meal supplementation in the diet of does was economically beneficial.

8.E.6.h. Title : Morphometric characterization of different strains of Osmanabadi Goat

Conclusions : It is concluded that genetically the Osmanabadi breed is stabilized population which does not respond to some genetic and non-genetic variations.

8.E.7. Department of Poultry Science

8.E.7.a. Title : Partial replacement of soybean meal with fenugreek (*Trigonella Foenum-Graceum*) in broiler chicken diet.

Conclusions : It is concluded that in commercial broiler chicken production, dietary soybean can be replaced with roasted fenugreek seed powder at 5 % level on part basis to achieve better growth performance and higher net profit

8.E.7.b. Title : Studies on broiler performance at different stocking density

Conclusions : It may be concluded that increasing stocking density with decreasing floor space (from 1.6 to 1.0 sq.ft.floor space per bird) resulted into the best performance in terms of body weights and gains in the broilers

8.E.7.c. Title : Studies on performance of broiler and quality characteristics of bedding material with use of different litter materials

Conclusions : Using the mixture of soybean straw with

groundnut hulls and groundnut hulls with saw dust as bedding materials in broiler house improved live weights gain of the birds compared to rice husk.

8.E.8. Department of Livestock Products Technology

8.E.8.a. Title : Utilization of lemon peel and pulp extract as natural antioxidants in chicken nuggets

Conclusions : LPeE added @ 2% can be an efficient alternative to synthetic antioxidants such as BHA in processed meats.

8.E.8.b. Title : Quality of chicken nuggets treated with mango peel and pulp extract

Conclusions : MPeE added @ 0.5% has been found an efficient alternative to synthetic antioxidants such as BHA in processed meats

8.E.8.c. Title : Quality of chevon nuggets incorporated with pomegranate peel powder.

Conclusions : Chevon nuggets made with incorporation of BHT and Pomegranate peel powder were acceptable for a period of 20 days when packed aerobically in HDPE and stored at $4 \pm 10^{\circ}\text{C}$ investigate under laboratory studies.

8.E.8.d. Title : Studies on development of functional chicken sausage

Conclusions : Functional chicken sausage prepared with incorporation of egg white powder 1.5% and rice bran 7.5% level were acceptable with regard to sensory quality and physico-chemical characteristics. Functional chicken sausage prepared with or without incorporation of egg white powder and rice bran were acceptable for a period of 20 days when packed aerobically in HDPE and stored at $4 \pm 10^{\circ}\text{C}$.

8.E.8.e. Title : Quality of chicken nuggets incorporated with finger millet flour (Ragi Flour)

Conclusions : The acceptable quality chicken nuggets were prepared with incorporation of 5% finger millet flour without adversely affecting sensory attribute and physico-chemical characteristics including texture profile parameters. Chicken nuggets with different levels of finger millet flour helps to reduce the cost of nuggets.

8.E.9. Department of Veterinary & AH Extension Education

8.E.9.a. Title : Participation of women self-help groups involved in dairy farming from hingoli district of maharashtra.



Conclusions : Majority of the women respondents were middle aged, illiterate, possess marginal land with agricultural farming as their main occupation with medium annual income and having medium livestock possession. Major constraints perceived by Women Self-Help Groups were high cost of feed, high cost of medicines, unavailability of medicines, non-availability of green fodder, lack of technical guidance, low price of milk, lack of credit loans.

8.E.9.b. Title : Adoption of goat husbandry practices by tribals in palghar district

Conclusions : The extent of knowledge and adoption level of these goat farmers about improved goat farming practices were also found to be at medium level. Major constraints perceived by farmers were unavailability of land for grazing, high cost of feed, high cost of medicines and treatment , unavailability of medicines, non-availability of green fodder, lack of technical guidance, less number of veterinarians, poor knowledge of diseases, low price of selling animal and lack of credit loans

8.E.9.c. Title : Perceived attributes of home made concentrate technique adopted by buffalo entrepreneurs of peri-urban area in Marathwada region

Conclusions : It can be concluded that a majority of respondents were of middle age group, educated up to secondary school level, possessing medium herdsize, medium annual income, social participation, information sources,extension contact, training participation, market orientation, economic motivation, level of knowledge and adoption of home made concentrate feeding. Average attribute of home made concentrate had highly significant relationship with social participation, source of information, extension contact, market related information.

8.E.10. Department of Pathology

8.E.10.a. Title : Histopathological and clinicopathological study on Soft tissue tumors (STT's) in canines

Conclusions : In the present study non-descript dogs were most commonly affected with soft tissue tumors than any other pure breed dogs followed by Labrador retriever as a particular breed. Most of the tumors were encountered in dogs between 7 -10 years of age. Occurrence of soft tissue tumors was more common in female dogs than that of male dogs. Histologic type, marker of proliferation like AgNOR may be useful indicators of prognosis. However, it requires additional investigations.

8.E.10.b. Title : The effect of picroliv on *lantana camara* toxicity in female wistar rats.

Conclusions : When a comparison between two treatments (Picroliv and Limarin) was made in a *Lantana camara* induced toxicity in rats, Limarin had better results than Picroliv

8.E.10.c. Title : Clinicopathological & pathomorphological changes in hypothyroid dogs

Conclusions : It was found that hypothyroidism was seen in all age groups but dogs of age 5 - 10 years were mostly affected. Castrated males were more prone to hypothyroidism than intact male and incidence of hypothyroidism was more in non-descript and Labrador dogs. Most evident pathomorphological changes in skin associated with hypothyroidism were hyperkeratosis, acanthosis with increased number of telogen phase of hair follicles

8.E.10.d. Title : Surveillance and etiopathological studies of influenza viruses in swine in Maharashtra

Conclusions : The presence of high antibodies against pH1N1 than H3N2 and seasonal H1N1 in pig sera was indirect evidence of circulation of pH1N1 virus. Potassium periodate method was the best method for removal of non specific inhibitors and agglutinins in pigs.

8.E.10.e. Title : The effects of single intratesticular injections of cadmium chloride in the Wistar rat for chemical sterilization

Conclusions : A single intratesticular injection of Cadmium chloride @ 0.5 mg/ kg Body weight is recommended as effective dose for chemical sterilization of male Wistar rat.

8.E.10.f. Title : Effect of formaldehyde spraying in broiler pens

Conclusions : The formaldehyde spraying at concentrations 0.5%, 1% & 2% in broiler pens have found having harmful effects on hemato-biochemical & performance parameters in broilers

8.E.10.g. Title : Toxico- pathological studies of Bisphenol-A and alleviating effect of *Camellia sinensis* in rats

Conclusions : Bisphenol A (@165 mg/kg b.w.) treatment for 28 days produced clinico-pathological and pathomorphological alterations as well as genotoxic effects in rats. The simultaneous treatment of 1.5 % Green tea extract was able to alleviate the cellular and genotoxic damage caused by Bisphenol A significantly.



8.E.10.h. Title : Prevalence and histomorphology of hydatidosis in slaughtered cattle in Akola district

Conclusions : The hydatidosis is prevalent in cattle of Akola district of Maharashtra with overall prevalence of 12.12% and highest prevalence in Balapur tahsil (30.50%) which needs attention for control of disease in cattle.

8.E.10.i. Title : Effect of *Curcuma longa* on experimental ochratoxicosis in male rats

Conclusions : The herb *Curcuma longa* could protect the rats from nephrotoxic, hepatotoxic and immunosuppressive effect of OTA in the present experiment.

8.E.10.j. Title : Effect of *Bacillus subtilis* as probiotic on pathology of *Escherichia coli*/infection in broilers.

Conclusions : *Bacillus subtilis* spore reduces the colonization of *E. coli* in intestine resulting in to better growth performance in terms of higher body weight and lower feed intake and FCR which indicates that it can be used as alternative to antibiotics as probiotic in poultry.

8.E.10.k. Title : Clinico-pathological investigations on dental fluorosis in buffalo from kandhar block of Nanded district

Conclusions : In the studied regions of Kandhar block of Nanded district, major villages were having higher fluoride level than permissible limit in drinking water samples.

8.E.10.l. Title : Toxicopathology of mercuric chloride in male Wistar rats and its amelioration by *Allium sativum*

Conclusions : *Allium sativum* has ameliorative effect on toxicity induced by mercuric chloride.

8.E.10.m. Title : Subacute toxicopathological studies of *ipomoea carnea* in Wistar rat

Conclusions : *Lopmoea carnea*, has depressing effect on growth performance in Wistar rats as evident by records of mean weekly body weights. *Lopmoea carnea* has deleterious effect on haemopoietic system as evident by hematological observations.

8.E.11. Department of Pharmacology & Toxicology

8.E.11.a. Title : Evaluation of anti-angiogenic potential of herbal drugs in mouse model

Conclusions : Gel foams of Tulsi, aswagandha, and Ananans allows formation of blood vessels through it. Intensity of blood vessel formation is compared with untreated control considering total haemoglobin in the gel foam and mean blood vessel density per field of microscope. *Ocimum sanctum* i.e. Tulsi showed potent antiangiogenic activity.

8.E.11.b. Title : Pharmacokinetic studies of clomiphene in goats

Conclusions : The blood clomiphene levels were studied in goats treated with clomiphene. After single IM administration of 100mg clomiphene, and observed that the absorption was inconsistent after oral administration

8.E.11.c. Title : Bioavailability of Vitamin C from kokum (*Garcinia Indica*) and its efficacy against heat stress in poultry

Conclusions : After 5ml/bird Kokum administration, vit C levels in plasma were estimated at 0, 0.5, 1 and 2 hours in stressed birds which were 0.06, 1.76, 1.29 and 0.52 mg% respectively indicating Kokum as the source of Vitamin C

8.E.11.d. Title : Evaluation of antidiarrhoeal, antibacterial and anti-Inflammatory activities of ethanolic leaf extract of *Dalbergia sissoo*

Conclusions : Ethanolic extract of *Dalbergia sissoo* possesses remarkable antidiarrhoeal activity and mild to moderate antibacterial & anti-inflammatory activities.

8.E.11.e. Title : Antidiabetic activity of aqueous leaf extract of *Cinnamomum tamala* in alloxan induced-diabetes in Wistar rats

Conclusions : Study concludes that the aqueous leaf extract of *Cinnamomum tamala* at all doses of 100, 200 and 300 mg/kg b.w. is found to be effective in causing repairment of damages caused to pancreas, liver and kidneys due to diabetes.

8.E.11.f. Title : Evaluation of *Clerodendrum infortunatum* against cadmium chloride induced oxidative stress and mutagenic effects in wistar rats

Conclusions : The amelioration of cadmium induced immunotoxicity by *Clerodendrum infortunatum* observed in this study is one of its own first kinds of observation. The amelioration of mutagenic effect caused by cadmium was not evident by the use of plant extract.

8.E.12. Department of Veterinary Microbiology & Biotechnology

8.E.12.a. Title : Detection of mycoplasmosis in poultry by conventional and molecular technique

Conclusions : *M. gallisepticum* was found to be the only species involved in poultry mycoplasmosis, detected by both cultural isolation and PCR technique. Comparative results of RSA, cultural isolation and direct PCR indicated that PCR is superior to cultural isolation for crucial, rapid, specific and sensitive detection of poultry mycoplasmosis. However, RSA is proved to be comparable with the PCR.



8.E.12.b. Title : Molecular characterization of some avian viruses by PCR

Conclusions : IBDV can be directly detected from the field samples as well as from the isolates by RT-PCR. From the RT-PCR- RFLP profile it was observed that the six bursal and nine isolate samples are of classical virulent IBDV. However, none of the samples contained either ARV or AAV indicating absence of any multiple infections with IBDV, AAV and ARV.

8.E.12.c. Title : F Gene based characterization of Newcastle disease virus isolates

Conclusions : Finding of the present study revealed that MALDI-TOF MS may be adjudged as emerging tool for rapid detection of mastitis associated pathogens.

8.E.12.d. Title : Characterization of bacterial pathogens associated with respiratory infections in small ruminants

Conclusions : Based on the results of present study, it is concluded that *Staphylococcus* spp. was found to be most predominant organism recovered from respiratory tract infections. The presence of virulence marker genes of *Staphylococcus* spp. namely clfA and spa indicates pathogenic potential of these isolates and may indicate their correlation with respiratory infections.

8.E.12.e. Title : Development of dried sample spot-PCR (DSS-PCR) for detection of PPRV

Conclusions : Filter paper and news paper have proved to be field friendly, economical and convenient options for sample collection as compared to conventional methods and they can be used for the diagnosis of PPR in a resource limited setup

8.E.13. Department of Veterinary Parasitology

8.E.13.a. Title : Prevalence, treatment and economic aspects of lice infestation in poultry of Mumbai region.

Conclusions : Overall prevalence of poultry lice was found to be 83.48% out of which organized showed 100% and unorganized 62%. When insecticidal compounds used at specific concentration they were 100% effective in elimination of Mallophagan lice. The egg production record of birds analyzed post treatment denoted significance rise in the production which suggests that lice infestation had adverse effect on the growth and production.

8.E.13.b. Title : Preliminary investigations to assess resistance by bovine ticks against commonly used acaricides in Maharashtra

Conclusions : The drug-wise resistance shown by AIT-DD

for cypermethrin was highest (40%) in ticks from Mumbai, Western Maharashtra, and Vidarbha region whereas from Marathwada region it was 36.84%. For deltamethrin, the ticks from Western Maharashtra revealed highest (45%) resistance followed by Marathwada (42.10%), Vidarbha (35%) and Mumbai region (30%). For amitraz highest resistance was revealed by ticks from Western Maharashtra (20%) followed by Marathwada (15.78%). Ticks from Mumbai and Vidarbha region revealed similar (15%) resistance against amitraz. For ivermectin ticks from western Maharashtra revealed highest resistance (15%) followed by Mumbai (10%), Marathwada (5.26%) and Vidarbha region (5%).

8.E.13.c. Title : Epidemiological, clinical, haemato-biochemical and therapeutic evaluation of trypanosomosis in donkeys (*Equus asinus*) (Mah. state)

Conclusions : Isometamidium HCL @ 0.5 mg/kg, diminazene aceturate @ 7.00 mg/kg deep I/M, quinapyramine sulphate and quinapyramine chloride @ 4.16 mg/kg S/C were found equally effective in treatment of Trypanosomosis in donkeys.

8.E.14. Department of Veterinary Public Health

8.E.14.a. Title : Comparative studies on loop-mediated isothermal amplification (Lamp) method and conventional PCR for detection of *Staphylococcus aureus* from animal origin foods

Conclusions : The sensitivity (detection limit) of the LAMP assay was noted to be 100 fold greater than that of conventional PCR as LAMP could detect 4 ng/tube of *S. aureus* DNA concentration whereas, conventional PCR was able to detect 400 ng/tube of concentration of *S. aureus* DNA.

8.E.14.b. Title : Prevalence of *Trichinella* spp. in pigs slaughtered in Maharashtra state

Conclusions : The correlation study of HCl-pepsin digestion, PCR and ELISA methods showed that the ELISA could detect more number of *Trichinella* positive samples than the first two methods. Therefore, ELISA assay can be useful for the screening of large number of pig population.

8.E.14.c. Title : Development of loop-mediated isothermal amplification (Lamp) method for the detection of *Salmonella* spp. from animal origin foods.

Conclusions : The sensitivity (detection limit) of LAMP and conventional PCR was found to be 4ng per tube and 40 ng per tube of *Salmonella* DNA respectively. Therefore, the



sensitivity shown by the LAMP assay was ten folds greater than that of conventional PCR. The LAMP method gives results similar to that of gold standard microbiological culture method and therefore, it can be recommended as a field test as it does not require costly equipment like thermocycler for DNA amplifications and well trained personnel.

8.E.14.d. Title : Molecular types and antimicrobial resistance profile of *Staphylococcus aureus* from bovine mastitis

Conclusions : Variation in the distribution of antimicrobial resistance genes was recorded. Out of 52 isolates, 7 (13.46%), 9 (17.31%) and 16 (30.77%) were positive for *blaZ*, *ermB* and *tetK* genes, respectively. Increasing resistance to penicillin and oxacillin is alarming and this study provides a baseline for further monitoring of phenotypic and genotypic antimicrobial resistance in *S. aureus* strains associated with bovine mastitis.

8.E.14.e. Title : Detection of extended spectrum beta lactamase producing *Escherichia coli* pathotypes from bovine mastitis

Conclusions : ESBL producing *E. coli* pathotypes are widely distributed in cows suffering from subclinical mastitis. Thus judicious use of antimicrobial is recommended and their empirical use should be avoided in veterinary practice.

8.E.14.f. Title : Seroepidemiology of *Listeria monocytogenes* from clinical cases of small ruminants

Conclusions : A total of 115 samples from goats and 35 samples from sheep with reproductive disorders and 16 environmental samples were processed for isolation of *Listeria monocytogenes* which revealed prevalence of *L. monocytogenes* as 8.7 per cent in goats and 14.29 per cent in sheep. The isolates were further confirmed by *prsA*, *isp* and *hlyA* genes and pathogenicity was confirmed by tests like haemolysin, PI-PLC test and CAMP. The isolates showed resistance towards kanamycin and rifampicin in antibiogram assay. The serodiagnostic assay detected 17 per cent seropositivity in goats whereas none in sheep.

8.E.14.g. Title : Prevalence of bacterial enteropathogens with special reference to *Salmonella* and *Shigella* among childhood diarrhoea cases in and around Nagpur

Conclusions : Antibiogram of all five isolates of *Salmonella* were resistant to Ampicillin & sensitive for Gentamicin. Similarly, isolates of *Shigella* were resistance towards Ampicillin and Trimethoprim. Whereas, sensitivity was observed for Ciprofloxacin.

8.E.14.h. Title : Purification, characterization and evaluation of antimicrobial efficacy of pediocin from *Pediococcus* organism

Conclusions : The spiking study with purified bacteriocin in milk and milk product (paneer) against *Listeria monocytogenes* and *Staphylococcus aureus* revealed level concentration of 0.4 % pediocin as satisfactory.

8.E.14.i. Title : Quality assessment of freshwater fish sold in retail Market in Parbhani city.

Conclusions : Freshwater fishes sold in Parbhani city was found to be good in physical, chemical and microbial quality. Presence of organisms like *S. aureus*, *E. coli*, *Clostridium* spp., Yeast and Mould at various stages of supply chain of Fish indicated sources of contamination in Environment.

8.E.14.j. Title : Prevalence, characterization and antibiotic resistance of *Campylobacter jejuni*, *E. coli* and chicken meat sold in and around Parbhani city.

Conclusions : *Campylobacter jejuni* and *E. coli* were found to be present in chicken meat sold in and around Parbhani city. A total of 37.5% of *Campylobacter jejuni* isolates obtained from chicken meat found to contain *cdtA* gene responsible for cytolethal distending toxin. *Campylobacter jejuni* isolates were found to be highly sensitive to Chloramphenicol.

8.E.15. Department Of Veterinary Clinical Medicine, Ethics & Jurisprudence

8.E.15.a. Title : Studies on M-mode echocardiographic parameters in healthy *Doberman pinschers*

Conclusions : The parameters namely IVSd, LVDd, PWd, IVSs, LVDs and PWs correlated positively with the body weight and body surface area both in males and females and there was no significant difference between these values between both sexes ($p \geq 0.05$).

8.E.15.b. Title : Studies on thrombocytopenia in dogs and its therapeutic management

Conclusions : Prednisolone as well as Papaya leaves extract are effective in treatment of thrombocytopenia in dogs in bleeding as well as non-bleeding diathesis

8.E.15.c. Title : Studies on metabolic causes of seizures in canines and its therapeutic management

Conclusions : Hyperammonemia, hypo-ionic-calcemia and hypothyroidism are metabolic abnormalities observed in present research work responsible for seizures in dogs.



8.E.15.d. Title : Canine atopic dermatitis and its therapeutic management

Conclusions : The primary diagnosis of CAD was further strongly supported by estimation of total serum IgE antibody (sensitivity 57% and specificity 66%), detection of major allergen specific IgE (*In-vitro* allergen testing) towards house dust (10.87%), house dust mite (10.14%) and *Aspergillus fumigatus* (7.25%) and histopathology of skin lesion (sensitivity 93% and specificity 100%). Hence, it is suggested that these tests should be included in 'diagnostic protocol' of CAD for confirmation.

8.E.15.e. Title : Clinico-therapeutic studies on pneumonia in bovines

Conclusions : Gentamicin is most effective and economic in treatment of pneumonia in bovine. Antimicrobial therapy based on the results of antibiotic sensitivity test for 5 to 7 days is essential for complete recovery from pneumonia.

8.E.15.f. Title : Evaluation of anthelmintic efficacy of *Azadirachta indica* and *Nigella sativa* in ovine Haemonchosis.

Conclusions : Ethanolic extract of *A. indica* showed good anthelmintic action against *H. contortus* than *N. sativa*, whereas albendazole showed less anthelmintic activity. Crude powder of *A. indica* and *N. sativa* showed very less anthelmintic activity. It is concluded that ethanolic extract of *A. indica* and *N. sativa* can be used as an anthelmintic in strategic use of anthelmintic drugs with medicinal plants for controlling the hemonchosis infection in sheep.

8.E.15.g. Title : Comparative evaluation of oral rehydration therapy in adult cattle

Conclusions : Oral rehydration therapy with homemade formula is effective in correcting dehydration in cattle. Oral rehydration therapy is recommended for animals suffering with mild dehydration. Oral rehydration is economical vis-à-vis intravenous fluid therapy

8.E.15.h. Title : Efficacy of herbal bio-enhancer and antibiotic therapy in clinical mastitis of goats (*Capra hircus*)

Conclusions : Comparative therapeutic efficacy of Enrofloxacin 10% and Enrofloxacin 20% with and without herbal bioenhancer *Embelia ribes* extract indicated that Enrofloxacin 10% along with *Embelia ribes* extract regimen is highly effective in the treatment of clinical mastitis in goats.

8.E.16. Department of Surgery & Radiology

8.E.16.a. Title : External and internal fixation for repair of long bone fracture in canines : A clinical study

Conclusions : Bilateral external skeletal fixation method could be effectively used and therefore recommended for repair of simple as well as compound fractures of radius-ulna and tibia, since it allows better healing of wound, callus formation, weight bearing. It is specially recommended for compound fracture of radio-ulna and tibia. Stainless steel locking compression plates (LCP) were found very versatile for repair of simple and clean fractures of tibia, radius and ulna as well as comminuted fractures of femur.

8.E.16.b. Title : Clinical evaluation of full thickness skin mesh grafts for repair of superficial wounds in dogs

Conclusions : As compared to suturing of the skin graft, use of n-butyl-2-cyanoacrylate tissue adhesive takes less intra-operative time. Both the methods of skin grafting show good aesthetic appearance as the donor site was selected from a known area. Use of immunomodulators / immunosuppressants has a limited role on the acceptance or rejection of skin grafts.

8.E.16.c. Title : Comparison of isoflurane and sevoflurane in dexmedetomidine-propofol induced general anaesthesia for laparoscopic ovariohysterectomy in cats

Conclusions : Dexmedetomidine - Propofol - Isoflurane & Dexmedetomidine - Propofol - sevoflurane was safe, excellent quality and hence efficacious for clinical use for laparoscopic ovariohysterectomy in cats requiring general anaesthesia.

8.E.16.d. Title : Comparative evaluation of butorphenol tartrate and propofol as constant rate infusion in laparoscopic ovarioectomy in canine

Conclusions : The anaesthetic combination of Diazepam-Propofol-Isoflurane along with CRI of either of propofol or of butorphanol appears to be safe and effective combinations. These combinations induced and maintained good to excellent quality of anaesthesia, thus enabling the surgeon to perform comfortably.

8.E.16.e. Title : A clinical study on the use of conjunctival pedicle graft for the treatment of corneal ulcers in canine

Conclusions : Conjunctival pedicle graft is an effective treatment for medically unresponsive and complicated corneal ulcers in dogs.

8.E.16.f. Title : Surgico-chemotherapeutic management of corneo-conjunctival growth in Bovine.

Conclusions : Immunotherapy with BCG vaccine after surgical excision of localized eye growth as plaque, papilloma, non invasive carcinoma, at initial stage is trend



effective (83.33%) to prevent recurrence. Cyclophosphamide therapy in ocular neoplasm consisting plaque or papilloma was found effective in 50% cases with a resultant sight effective and not a cost effective trend.

8.E.16.g. Title : Comparative study of herbal ointment and low level laser therapy for wound healing in caprine.

Conclusions : Treatment with Low Level Laser Therapy showed better results in wound healing with anti hemorrhagic, anti inflammatory and pain relieving properties. Herbal ointment (Scavon Vet cream) application healed the wound properly, with fly repellent activity.

8.E.16.h. Title : Comparative studies on diazepam-butorphanol and midazolam-butorphanol as a premedicant in propofol induced general anaesthesia in goat

Conclusions : Diazepam-Butorphanol combination required less time for achievement of sedation as compared to Midazolam-Butorphanol combination. Induction of anaesthesia was fast and rapid with Diazepam-Butorphanol when compared with Midazolam-Butorphanol. Smooth and rapid recovery was seen in Midazolam-Butorphanol combination than in Diazepam-Butorphanol combination.

8.E.16.i. Title : Clinical evaluation of different immobilization techniques of horn fracture in khillar cattle.

Conclusions : In plaster of paris cast technique the healing of horn fracture was better due to rigid and proper immobilization. In external fixation clamp technique slight overgrown callus was observed in some animals might be due to improper immobilization. However, application of external fixation clamp was advantageous in open wound fracture. Considering the complications in horn fracture the application of external fixation clamp had huge scope.

8.E.16.j. Title : Clinical evaluation of *bryophyllum pinnatum* and *Curcuma amada* extracts on wound healing

Conclusions : The cases of the wounds in bovine can be treated well by using topical application of 2.5% ethanolic extract ointment of *Bryophyllum pinnatum* leaves and 2.5% ethanolic extract ointment of *Curcuma amada* rhizomes. 2.5% ethanolic extract ointment of *Bryophyllum pinnatum* leaves is an excellent preparation with antiseptic, antibacterial, anti-inflammatory, hematonic, astringent and immunomodulatory properties and could be preferred by virtue of its efficacy and easy availability of the plant material (leaves) round the year.

8.E.16.k. Title : Surgico-therapeutic management of periodontal diseases in dog

Conclusions : Dental radiography is an important tool in diagnosing and deciding treatment protocol for the periodontal diseases. The computed radiography is an excellent tool to take the dental radiographs. Ultrasonic scaling and polishing was effective in removing the stains from the teeth. Flap-surgery enabled easy extractions whereas the combination of continuous horizontal mattress suture with modified suspension suturing technique was effective in reducing the periodontal pocket depth.

8.E.16.l. Title : Clinical studies on autologous skin grafting in dog

Conclusions : The use of PRF before application of autologous full thickness mesh skin graft was found effective in enhancing the acceptance period

8.E.16.m. Title : Studies on non-penetrating foreign bodies with reference to polychlorinated biphenyls in cattle

Conclusions : The polychlorinated biphenyls can be present in the rumen liquor and blood samples in the animals with non-penetrating foreign body which are reared near the dump site.

8.E.16.n. Title : Clinical evaluation of platelet rich plasma on wound healing in caprine

Conclusions : Platelet rich plasma (PRP) gel undoubtedly is one of the better regenerative therapies that could be used for treatment of wounds in veterinary practice and especially in caprine.

8.E.16.o. Title : Comparative efficacy of articaine hydrochloride and lignocaine hydrochloride for laparotomy in bovine

Conclusions : Articaine hydrochloride @ 4 mg /kg body weight was found suitable for effective paravertebral nerve block in laparotomy in bovine without adverse effect on physiological and haematobiochemical parameters.

8.E.16.p. Title : Evaluation of butorphanol-acepromazine-glycopyrrolate & butorphanol -midazolam glycopyrrolate as preanaesthetic with Propofol anaesthesia in dogs.

Conclusions : Intramuscular administration of butorphanol-acepromazine-glycopyrrolate in combination produced excellent quality of analgesia and good muscle relaxation for longer duration with appreciable sedation.



8.E.17. Department of Gynecology & Obstetrics

8.E.17.a. Title : Efficacy of tris egg dilutor for preservation of buck semen at room and ultra low temperature.

Conclusions : The post thaw quality of buck semen stored in Tris Egg yolk glycerol dilutor significantly reduced from prefreezing to 24hr and 24 hr to 72 hr post-freezing at ultra low temperature. As the conception rate of 37.5 percent was achieved using semen stored at ultra low temperature, it can be concluded that buck semen can be effectively preserved in Tris Egg yolk glycerol dilutor at ultra low temperature.

8.E.17.b. Title : Comparative efficacy of cyclo-oxygenase (COX) inhibitors in repeat breeder cows

Conclusions : Flunixin meglumine is more efficient COX inhibitor to treat the non-infectious repeat breeder cows.

8.E.17.c. Title : Optimization of progesterone primed oestrus synchronization in goats.

Conclusions : Higher incidence of oestrus signs and symptoms were observed in goats exposed to progestagen impregnated intra-vaginal sponge treatment in combination with oestradiol benzoate. Significantly higher conception rates were observed in protocol with combination of progestagen, eCG & prostaglandin when compared with combination of progestagen, oestradiol benzoate and prostaglandin protocol.

8.E.17.d. Title : Identification of polymorphism of FSH beta-subunit gene as sperm quality marker in HF cross breed cattle using PCR-RFLP

Conclusions : AB genotype bulls revealed better performance as compared to BB genotype bulls with regard to important semen quality traits like abnormal sperm, HOST, Post thaw motility, Semen incubation test etc. Hence bulls with AB genotype may be used for breeding purpose to get better semen fertility traits and selection of breeding bulls can be made at early stage of their life.

8.E.17.e. Title : Relation of haemoprotzoan infection and fertility in buffaloes

Conclusions : It is concluded that in every infertility case, along with other investigations, blood smear examination should be necessarily carried out to rule out the haemoprotzoan infection.

8.E.17.f. Title : Detection of early pregnancy in Osmanabadi goats by different techniques

Conclusions : In conclusion the transrectal ultrasonography approach is best as compared to transabdominal and progesterone assay in early detection of pregnancy in Osmanabadi goats.

8.E.17.g. Title : Reproductive performance of plastic consuming cows

Conclusions : Removal of impacted plastic material by rumenotomy and supportive ruminal cud transformation and fluid therapy with mineral mixture supplementation in the plastic consumed cows resulted in marked improvement in the general health and productive reproductive performance.

8.E.17.h. Title : Physio-pathological studies and efficacy of different therapeutic approaches for cervical dilatation in large ruminants

Conclusions : Dinaprostone (PGE₂) @ 3 gm treatment per cervically has better efficacy in clinical cases of failure of cervical dilatation in buffaloes than that of the cows whereas the Misoprostol tablet (PGE₁) therapy @ 1000 µg per cervically has higher efficacy in cows as compared to buffaloes for the treatment of clinical cases of failure of cervical dilatation.

8.E.17.i. Title : Physio-biochemical aspects and efficacy of different therapeutic protocols for cervical dilatation in small ruminants

Conclusions : Observations on cervical structure indicated rigidity of the cervix in ewes and hence the time required for induced parturition or even for clinical cases of failure of cervical dilatation is more than that of the goats.



8.F. STAFF RESEARCH

8.F.1 Department of Veterinary Physiology

8.f.1.a. Title : Estimation of hormonal profile, metabolites and milk composition during lactation in bovines and validation of Bovine Growth Hormone RIA kit

PI : Dr. J. R. Khan

Co-PI : Dr. S. D. Ingole

Funding Agency : Department of Atomic Energy, Board of Research in Nuclear Science, Bhabha Atomic Research Centre, Mumbai (DAE, BRNS, BARC, Mumbai)

Summary : The work is in progress

8.F.2 Department of Veterinary Biochemistry

8.F.2.a. Title : Association of sperm mitochondrial functional markers with semen quality traits in murrah buffalo

PI : S. N. Jadhav, Assistant Professor, Dept of Biochemistry

Co PI : A. K. Barate, Assistant Professor, Dept of Biochemistry, V.R.Patodkar Associate Professor, Dept of Physiology.

Funding Agency : ICAR funded Ad-Hoc Scheme

Summary : Grant of 22.5 lakh is released for financial year 2015-16 from which purchase procedure for certain items mentioned in the project is completed.

8.F.3 Department of Animal Genetics and Breeding

8.F.3.a. Title : Characterization and genotyping of the genes influencing ovulation in the Osmanabadi breed of goat.

PI : Dr. A. Y. Doiphode

Funding Agency : Department of Science and Technology (DST-SERB)

Summary : It is concluded that fecundity of Osmanabadi goats is independent of FecX, FecB and FecG mutations in gene.

8.F.3.b. Title : Molecular characterization of the genes and analysis of the genotypes affecting growth rate in the Osmanabadi breed of goat

PI : Dr. A. Y. Doiphode

Funding Agency : DST-SERB

Summary : All the Osmanabadi goats genotyped for GH2, Leptin, IGFBP-3 and BMP-4 gene loci were found to be carrying monomorphic wild type alleles. The POU1F1 locus however found to be polymorphic at Alu I locus in the exon six exhibiting 3 genotypes viz., CC, TT and TC. SSCP of the exon 1 and 3 of POU1F1 also revealed three different genotypes. The GH1 gene was polymorphic at Hae III locus with three genotypes AA, AB and BB.

8.F.4 Department of Animal Nutrition

8.F.4.a. Title : Effect of supplementation of kalving powder during pre and post parturient period on lactation performance of crossbred cows

PI : Dr. B. N. Ramteke

Co-PI : Dr. G. M. Gadegaonkar and Dr. S. S. Jagadale.

Funding Agency : Ashish life Science Pvt. Ltd., 213, Laxmi Plaza Ind. Estate, New Link road, Andheri (W), Mumbai-400 053.

Summary : It is concluded that Kalving powder supplementation @ 30 gm/100 Kg body weight per day per cow is beneficial in improving milk production, milk composition, nutrient intake, feed efficiency and digestibility of nutrients. Such supplementation is also cost effective. Thus, it can be inferred that for improved production and better margin of profit use of bypass fat supplement is beneficial.

8.F.4.b. Title : Effect of supplementation of milky way bolus or powder on performance of lactating crossbred cows

PI : Dr. G. M. Gadegaonkar,

Co-PI : Dr. B. N. Ramteke and Dr. S. S. Jagadale.

Funding Agency : Ashish life Science Pvt. Ltd., 213, Laxmi Plaza Ind. Estate, New Link road, Andheri (W), Mumbai-400 053.

Summary : It is concluded that better profit margin and production performance can be achieved by the supplementation of Milky way bolus @ 1 bolus/ 250 Kg body weight/day/ cow and Milky way powder @ 10 g/250 Kg body weight/day/ cow.

8.F.4.c. Title : Strengthening of Feed Testing Laboratory

PI : Dr. A. B. Kanduri

Funding Agency : Government of India, Ministry of Agriculture, Dept. of ADF, Krishi Bhavan, New Delhi and Dept. of Animal Husbandry, Govt. of Maharashtra

Summary : Instruments and equipments purchased



8.F.4.d. Title : Estimation of Methane emission under different feeding systems and development of mitigation strategies

PI: Dr. R. N. Dhore

Co-PI: Dr. A. P. Dhok

Funding Agency : ICAR, New Delhi

Summary : In vitro mitigation strategies by dietary approach using natural feed constituents has been completed. The supplementation of concentrate ingredients, bypass protein & lipids, improving the fiber digestibility of roughages has been studied. It was found that with the increasing level of concentrate ingredients (grain) in the combination of Jowar kutti reduce the methane production substantially. The 0.5% Tannic Acid treated Soybean meal at 20 and 30% level as a part of the concentrate mixture in TMR found to reduce methane production. The result revealed that there is about 30% reduction in methane production with increase in digestibility of feed & fodder.

8.F.4.f. Title : Studies on supplementation of chelated mineral mixture (Prathinmin) at various stages in cattle under field conditions

PI : Dr. A. P. Dhok

Co PI: Dr. A. D. Deshmukh

Funding Agency : Prathinmin Foods Pvt. Ltd

Summary : It was concluded that the supplementation of Prathinmin, chelated mineral mixture either at the rate 30 gm or 40 gm per day may be effective to overcome post partum anoestrous and repeat breeding in cows and also improves milk production comparatively under field conditions.

8.F.5. Department of Livestock Production & Management

8.F.5.a. Title : Experiential Learning Unit on Goat

PI : Dr. M. B. A. Siddiqui

Co PI: Dr. S. S. Chopade, Dr. H. Y. Palampalle and Dr. A. P. Mendhe

Funding Agency : Indian Council of Agricultural Research, New Delhi

Summary : Under this project one goat shed, one feed storage room, one medicine cum isolation room for 100 goats & their followers will be constructed at ILFC,

Goregaon which will strengthen facilities for Entrepreneurship of the students of the college. Similarly it will be a demonstration unit for visiting farmers, livestock owners & the trainee participants.

8.F.6. Instructional Livestock Farm Complex, Goregaon

8.F.6.a. Title : Upliftment and Provision of livelihood for S.T. Population of Maharashtra state

PI: Dr. H. Y. Palampalle, Deputy Director of Research

Funding Agency : Tribal Sub Plan, ICAR, New Delhi

Summary : Developed training hall with all audio visual facilities at ILFC Goregaon. Selected 250 beneficiaries from tribal sub plan areas i.e Thane region by visiting at their door step and recorded their source of income, based on this they were selected for this project. Distributed 8 unit of goat for tribal farmer consisting of 10 does and 1 buck with low cost goat shed at the door step of tribal farmer of Jhavar and Vikramgadh tahsil TSP area.

8.F.7. Department of Poultry Science

8.F.7.a. Title : Comparative efficacy of supplementation of liver tonics on the performance of Commercial layers

PI: S. J. Manwar

Co PI: D. H. Rekhate, M. V. Joshi, S. P. Waghmare and S. V. Kuralkar

Funding Agency : M/s Ayurvet Pvt., Ltd., Baddi (H.P.), Rs. 1.96 Lakhs

Summary : It may be concluded that the different liver tonics viz. Superliv, Xlivpro, Methiorep and AV/AGP/10 used in this investigation elicited significant increase in egg production, improved feed conversion and overall performance without any harmful alteration in the biochemical parameters of commercial layer chickens.

8.F.7.b. Title : Studies to evaluate the efficacy of proease enzyme in broiler chicken

PI: K. K. Khose,

Co PI : S. J. Manwar, M. R. Wade and M. F. M. F. Siddiqui
Funding Agency : M/s SI Industries Pvt. Ltd. Nadurbar, Rs. 1.02 Lakhs.

Summary : It may be concluded that the proease enzyme supplemented through feed was beneficial to improve growth performance, carcass quality traits and profit in broiler production without any adverse effects.



8.F.7.c. Title :Establishment of Training and Demonstration Centre on Commercial Poultry Farming under MAFSU

PI : Dr. S. J. Manwar

Co-PI: Dr. K. K. Khose

Funding Agency : Rashtriya Krishi Vikas Yojana

Summary : The hands on training was provided to the participants on various aspects of commercial poultry farming including preparations for brooding, fumigation, vaccination, feed formulation and management of birds. The beneficiary farmers were provided with a training kit consisting educational material like booklet in Marathi language on "Vyavasayee Kukkut palan", pen, printed pad and folder, etc.

Infrastructure developed/Instruments Purchased (above Rs.2 lacs) : 1.Renovation of Farmer's Training Hall Cum Poultry Museum.

2. Construction of Feed room

3. Construction of Poultry Processing room

4. Construction of Bio security wall to poultry farm

5. Electrification of old poultry sheds.

8.F.8. Department of Pathology

8.F.8.a. Title : Revolving fund scheme entitled - establishment of diagnostic laboratory for animals and birds.

PI : Dr. S. D. Moregaonkar

Co PI: Dr. M.L.Gatne, Dr. D. P. Kadam, Dr. P. V. Meshram, Dr. G. K. Sawale, Dr. V. S. Dhaygude

Funding Agency : ICAR, New Delhi

Summary : Total 297 hematology and urine samples, 264 serum biochemical tests, 141 histopathology samples, 167 post mortem and related services and 11 forensic packaging were performed under this project. Total RFS receipt of Rs.1.72 lakhs was generated.

8.F.8.b. Title : To assess the efficacy of response on induced respiratory stress in broiler chicken

PI: Dr. C. S. Mote

Co PI : Dr. A. S. Kadam, Dr. V. D. Lonkar, Dr. P. P. Mhase and Dr. S. N. Jadhav

Funding Agency : Noble Agro Vet Pvt, Ltd, Pune

Summary : The experimental trial would be over on 07/04/2016. Data Analysis and Laboratory Examination of tissues for Histopathology is under progress.

8.F.9. Department of Pharmacology & Toxicology

8.F.9.a. Title : Outreach programme on monitoring of drug residues and environmental pollutants

PI: Dr. M. M. Gatne

Co PI: Dr. V. V. Karande

Funding Agency : ICAR

Summary : BVC is one of the fourteen centers working for this scheme. Considering that Maharashtra has coastal line of 730 Km, the work assigned to Mumbai centre pertains to estimation of heavy metal residues in the fish samples collected from different markets of coastal regions. The scheme aims at data generation rather than development of new techniques. The residues of heavy metals such as lead, cadmium, arsenic, copper and mercury in shell fish and prawns collected from different markets of Ratnagiri and Sindhudurg district were studied.

Infrastructure developed/Instruments Purchased (above Rs.2 lacs) : Automatic biochemistry analyzer- Rs. 7,08,000/-

8.F.9.b. Title : Comparative pharmacokinetic studies & comparative antiparasitic efficacy of two oral fenbendazole products

PI: Dr. R. P. Limsay

Co-PI: Dr. C. R. Jangde, Mr. Amar Deshpande, Dr. S. W. Kolte & Dr. G. P. Shende

Funding Agency : Virbac animal health India Ltd. Mumbai

Summary : The work is in progress

8.F.10. Department of Veterinary Microbiology & Biotechnology

8.F.10.a. Title : Isolation and identification of IBDV from field samples by conventional and molecular techniques.

PI: Dr. (Mrs) S. B. Majee

Co PI: Dr. (Mrs) R. S. Gadge, Dr. R. R. Pharande

Funding Agency : Boehringer Ingelheim Pvt.Ltd., Mumbai

Summary : Out of 133 bursa samples processed, 72 isolates recovered which were identified as IBDV by RT-PCR by using VP2 gene primers. IBDV could be isolated successfully in SPF eggs. There is a good correlation between the AGPT and RT-PCR findings in detection of IBDV virus from the embryonic tissues.

8.F.10.b. Title : Designing novel nanobiotechnological systems for effective delivery of select indigenous herbs with potent antitubercular activity

PI: Dr. Alka Pravin Mukne, Dr. A. S. Bannalikar

Co PI : Dr. R. R. Pharande

Funding Agency : Department of Biotechnology (DBT)

Summary : Ex vivo evaluation of antitubercular activity in infected human macrophage cell lines has been done.



Assessment of cytotoxicity of herbal drug on macrophage cell line by MTT assay. Acute toxicity of the purified herbal novel drug delivery systems with that of plain herbal formulation has been evaluated. *In vivo* pharmacokinetic and biodistribution profile of the purified herbal novel drug delivery systems with that of plain herbal formulation, after oral, intravenous and pulmonary administration is being studied.

8.F.10.c. Title : The development of PCR for diagnosis of *Mycoplasma* sp. in poultry

PI : Dr. Mrs. S. B. Majee

Co-PI : Dr. R. S. Gadge, Dr. R. R. Pharande

Funding Agency : Huvepharma (SEA) Pvt Ltd, Pune

Summary : The standardization of 16 sRNA *Mycoplasma gallisepticum* and *Mycoplasma synoviae* species specific PCR carried out. The processing of samples (tissue + choanal swabs) from different geographical areas suspected for mycoplasmosis was carried out for detection of *Mycoplasma gallisepticum* and *Mycoplasma synoviae* poultry mycoplasmosis. Sequencing of representative PCR products is in progress.

8.F.10.d. Title : Deciphering role of miRNA in chicken embryonic developmental pathology & its evaluation as therapeutics in immune suppressed chicks

PI : Dr. P. A. Tembhurne

Funding Agency : DST-SERB, New Delhi

Summary : miRNA treatment enhances the growth performance, hematological parameters as compared to the immunosuppressed chicks. The miRNA treatment showed changes in genes expression profiles of targeted genes viz. CD200, TGfb2, CTTN, RAC, etc involved in the signal transduction, cell structural integrity, migration & immune response etc as compared to the immunosuppressed chicks.

8.F.10.e. Title : DBT-HRD Project in Animal Biotechnology

PI : Dr. V. C. Ingle

Funding Agency : DBT, New Delhi

Summary : During the year 2014-15, one student was admitted for MVSc in Animal Biotechnology under this project. Currently he is perusing IIIrd semester.

8.F.11. Department of Veterinary Parasitology

8.F.11.a. Title : Clinical efficacy of Tryrex against bovine babesiosis and bubaline trypanosomosis.

PI : Dr. M. L. Gatne

Co-PI : Dr. J. G. Gudewar

Funding Agency : Renaissance Life Science Ltd India.

Summary : The study was carried out to note the efficacy of diminazene aceturate/diminazene diaceturate against bubaline trypanosomosis in Mumbai region and bovine piroplasmosis in Pune region. Two formulations viz., Tryrex and Berenil, were used in the study. The formulation was well tolerated by the cattle and buffaloes and no side effects were encountered during the course of study. There was no difference in the curative efficacy of Tryrex and Berenil in the treatment of the two diseases.

8.F.11.b. Title : Endo-ectoparasiticidal efficacy of pour on formulation containing 0.5% moxidectin and 1% flumethrin in cattle.

PI : Dr. M. L. Gatne

Co-PI : Dr. J. G. Gudewar

Funding Agency : Boehringer Ingelheim Ltd India.

Summary : The study was carried out to note the efficacy of endo-ecto parasiticidal pour on formulation containing 0.5% moxidectin and 1% flumethrin in cattle. The result of the study showed elimination of all the ticks present on the body of the cattle and hence 100% efficacy against tick infestation.

8.F.12. Department of Veterinary Public Health

8.F.12.a Title : Monitoring of pesticide residues at national level

PI : Dr. R.J. Zende

Co PI : Dr. V.M. Vaidya and Dr. R.N. Waghmare

Funding Agency : Indian Council of Agricultural Research (ICAR), New Delhi

Summary : Methodology for extraction, clean-up, detection and quantification of organochlorine and organophosphorus pesticide residues from egg, fish and meat matrices was standardized. A total of 442 samples were analysed and monthly monitoring data submitted to the ICAR for necessary action. Recently NABL Audit has been successfully completed. Auditors recommended the laboratory for continuation of NABL accreditation of laboratory upto July, 2017.

8.F.12.b Title : All India Co-Ordinated Research Project on Post Harvest and Engineering Technology

PI : Dr. R.J. Zende

Co PI : Dr. V. M. Vaidya & Dr. R. N. Waghmare

Funding Agency : Indian Council of Agricultural Research (ICAR), New Delhi.



Summary : Project was started in year 2009 as parts of 11th plan with a total budget outlay of Rs. 2.28 crores. Following sub projects were undertaken.

**A. Adoptive Trials and Popularization/
Commercialization of Model Retail Outlet for
Production of Hygienic Chicken Meat**

Summary : To popularize the technology, trainings were organized in different cities. A total of three training programmes for 121 butchers and entrepreneurs have been conducted and efforts are going on to organize many more ahead.

B. Preservation and handling techniques for porcine skin for production of biological bandages

(Ongoing): Summary : Porcine skin is anatomically almost similar to human skin and can be converted into a dressing for burns or non-burn cases especially in the treatment of diabetic wound and skin-ulcers. Process protocol was developed for the preparation of porcine skin xenografts as biological bandages for the treatment of burns or non-burn cases especially in the treatment of diabetic wound and skin-ulcers.

C. Detection of food-borne pathogens by LAMP (Loop

**Mediated Isothermal Amplification) technology –
Ongoing: Summary :** The conventional PCR for *stx*₂ gene of shiga toxin producing *E. coli* has been standardized and analysis of field isolates *E. coli* (75) recovered from animal origin foods is in progress.

D. Development and standardization of a process protocol for extraction of Chondroitin sulphate from bovine cartilage. Ongoing : Summary: The bovine ear and nasal cartilages from freshly slaughtered bovine are collected from slaughter houses in and around Mumbai City. The trials to standardize a process protocol for obtaining a better recovery of Chondroitin Sulphate from bovine cartilages are being initiated.

**E. Development and standardization of a process protocol for extraction of Collagen from Skin. Ongoing :
Summary :** The fresh pig skin is collected from slaughter houses in and around Mumbai City. The trials to standardize a process protocol for obtaining a better recovery of Collagen from pig skin are being initiated.

8.F.12.c. Title : Outreach Programme on Zoonotic Diseases

PI: Dr. V.M. Vaidya
Co PI: Dr. R.J. Zende, Dr. M.L. Gatane, Dr. D. G. Dighe

Funding Agency : Indian Council of Agricultural Research (ICAR), New Delhi.

Summary : Seven out of 937 pigs positive cysts by PCR for Cysticercosis, confirmed by sequencing at species level (6 - *Taenia solium*, 1-*Taenia asiatica*) and submitted to NCBI for Accession numbers. The Isolation of *Taenia asiatica* is 1st report in India. One sample of cysticercus cyst (Cy2) got Accession number KR701908 from NCBI.

8.F.12.d. Title : Risk assessment on antibiotic residue and salmonella spp. in chicken meat production

PI: Dr. R. N. Waghmare

Co-PI: Dr. V.M. Vaidya & Dr. R.J. Zende

Funding Agency : Vista Processed Foods Pvt. Ltd.

Summary : Sample collection and sample processing is under progress

8.F.12.e. Title : Centre for Zoonoses

PI: Dr. S. P. Chaudhari

Co PI: Dr. N.V. Kurkure, Dr. V.C. Ingle, Dr. S. W. Kolte, Dr. W.A. Khan, Dr. S. P. Awankar, Dr. P.A. Tembhurne

Funding Agency : ICAR, New Delhi

Summary : Infrastructure development and purchase of equipments is under progress.

**8.F.13. Department of Veterinary Clinical Medicine,
Preventive Medicine, Ethics & Jurisprudence**

8.F.13.a. Title : A prospective multi-centric, randomized, open label study to study immunogenicity and safety of canine nasal parvovirus vaccine in pups

PI: Dr. D. G. Dighe

Co PI : Dr. R.V. Gaikwad, Dr. R.D. Velhankar, Dr. J.U. Patil and Dr. D.A. Pawalkar

Funding Agency : Indian Immunologicals Ltd., Hyderabad

Summary : Ethics committee permission recently obtained. Collection of samples will be started soon.

8.F.13.b. Title : Establishment of wildlife research & training centre (Ongoing)

PI: Dr. N. P. Dakshinkar

Co PI : Dr. S. V. Upadhye, Dr. S. K. Sahatpure & Dr. G. R. Bhojne

Funding Agency : F.D.C.M. Ltd. Government of Maharashtra

Summary : Construction work Viz. Administrative block, Laboratory, Hospital building etc has been completed under Wildlife Research & Training Centre at Gorewada, Nagpur. The of purchase of Instruments is under process and



8.F.13.c. Title : Animal Ambulance for large animals

PI: Dr. N. P. Dakshinkar

Co-PI: Dr. S. V. Upadhye, Dr. G. R. Bhojne, Dr. S. K. Sahatpure

Funding Agency : Government of Maharashtra

Summary : Animal Ambulance with its modulation work completed & handed over to all the constituent colleges of MAFSU

8.F.14. Department of Surgery & Radiology

8.F.14.a. Title : Strengthening and modernization of department of surgery and radiology and training to the field veterinarians

PI : Dr. C. L. Badgujar

Funding Agency : RKVY Project

Summary : Construction work of training hall is completed. (17x14 M appx). Grants of 25 lacs is utilized.

8.F.14.b. Title : Studies on effect of hoof affection on production and reproduction in cattle

PI: Dr. R. V. Raulkar

Co-PI: Dr. M. G. Thorat

Funding Agency : ATMA

Summary : Hard concrete flooring caused extensive erosion of sole of hoof. Uneven concrete surface, pit holes in earthen floor resulted in accumulation of urine, dung and clay which was responsible for hoof affection. Hooves of crossbred animals were found softer than ND cattle. In crossbred cattle, lesions were severe. Malnutrition in cattle in rural areas resulted in poor production; poor working capacity of bullock's mineral supplementation can be a remedy. Lameness causes pain which results in poor locomotion of cattle while grazing which in turn results in poor nutrition and loss of production. Farmers shall be advised to have proper shoeing of their bullocks while getting work on the tar roads or concrete roads. It will avoid the sole ulceration.

8.F.15. Department of Gynecology & Obstetrics

8.F.15.a. Title : Establishment of training centre for field Veterinarians on reproductive health management through ART

PI : Dr. S. U. Gulavane

Co-PI: Dr. U.B. Kumbhar, Dr. R.J. Chaudhari, Dr. N.R. Dagli

Funding Agency : RKVY

Summary : Twelve trainings were arranged for 400 LDO's out of which 300 LDO's attended. The LDOs were trained

through lectures and demonstrations on ultra-sonography in cows, buffaloes, sheep, goat, dogs & cats, Estrous synchronization in cows, buffaloes and does, Semen collection, dilution & AI in goats, Cytobrush technique for endometrial biopsy, advanced treatments in infertility in bovines.

8.F.15.b. Title : Ovarian response after treatment with Janova in postpartum anestrous

PI: Dr. S. K. Sahatpure

Funding Agency : Dabur Ayurved

Summary : The work is in progress

8.F.15.c. Title : Establishment of community based animal husbandry practices in tribal villages of Gadchiroli District of Maharashtra State

PI: Dr. M. S. Patil

Co-PI: Dr. S. K. Sahatpure, Dr. A. P. Gawande, Dr. A.P.Dhok, Dr. S. P. Landge & Dr. G. R. Bhojne

Funding Agency : ICAR, New Delhi

Summary : Training for community based approach for animal husbandry was imparted to total 22 tribal farmers from Kurkheda Tahasil of Gadchiroli district of Maharashtra state. Reproductive health check up & treatment of cows was performed.

8.F.16. Teaching Veterinary Clinical Complex

8.F.16.a. Title : Strengthening of Teaching Veterinary Clinical Complex

PI: Dr. A. U. Bhikane

Funding Agency : Government of Maharashtra under Marathwada Vikas Karyakram-2007

Summary : Construction work of Diagnostic Laboratory-cum-Information centre worth Rs. 25 lacs is near completion.

8.F.16.b. Title : Establishment of critical care unit (CCU) building

PI: Dr. N. P. Dakshinkar

Funding Agency : ICAR, New Delhi

Summary : Critical care unit with sophisticated diagnostic and treatment facility established in newly constructed building under this project.



8.F.17. Stem Cell Laboratory

8.F.17.a. Title : Standardization of the protocol for Karyotyping of stem cell

PI: Dr. Rahul Deshmukh

Co-PI: Dr. U. R. Umrikar and Dr. C. H. Pawshe

Funding Agency :-

Infrastructure developed/Instruments Purchased (above Rs.2 lacs) : During the culture of the stem cells, culture condition, incubation temperature, intrinsic factor of the donor and number of passage will create some chromosomal abnormality. After isolation of the stem cells at different passages the karyotyping testing is most important before the cells are used for the treatment purpose as per the guidelines for stem cell treatment. Presently in our laboratory, the cells isolated at different passage were used and protocol was standardized for karyotyping.

8.F.18. Department of Fisheries Biology

8.F.18.a. Title : Survey of fish biodiversity at random localities in river and selected Malgujari tanks in East Vidarbha Maharashtra

PI: S. S. Ghatge

Co PI : Shri. S.W. Belsare & Dr. P. A. Telvekar

Funding Agency : TMA, Maharashtra State

Summary/ salient features/achievement : Field visit dated 03/05/2015 was made at Arjuni Morgaon Lahan talav a Malgujari tank Under Panchshil Matsya Vyavsay Sahakari Sanstha, Tadgaon, in Gondia district and 20 fish species were collected and identified and preserved and 10 fish species were collected from Yegaoan Gaon talav under the Viay Macchi Vyavsay Sahakari Sanstha, Yegaon, Gondia. Further a community based management example of cleaning of aquatic weed water hyacinth, Eichhornia crassipes was documented.

A field visit was organized at Kanhan River, Near Parsehoni on 26/12/2015 for the students of final year B.F.Sc. hands on training (Aquaculture module) and second year B.F.Sc. students to collect fish, identify and document fish diversity. Total 16 fish species were collected and preserved. Of the 16 species collected five species were documented for the first time by the college and were not found in the previous surveys carried out since 2010.

8. G. RESEARCH PUBLICATIONS

Details of Research Publications

Sr.No.	Name of the Department	Authors	Title	Journal details
Department of Anatomy and Histology				
1.	Veterinary Anatomy	Kolekar V. P., Patil A. D., Dhande P. L. Shankhapal V. D., Aware N. N. & Jadhav P. M.	Biometrical studies on ventricles of heart in sheep (<i>Ovis aries</i>)	J. Bombay Vet. College 20 (2): 43 – 49
2.	Veterinary Anatomy	Patil A. D., Dhande P. L. Bakshi S. A. and Lambate S. B.	Effects of removal of preen gland on gross anatomy and biometry of various parts of the oviduct in young and spent hens	J. Bombay Vet. College 21 (1 & 2): 38 – 47
3.	Veterinary Anatomy	Patil A. D., Dhande P. L. Ranade A. S. Bakshi S. A. and Desai D. N.	Effects of the extirpation of preen gland on the egg quality and egg production in young and spent WHL layers	J. Bombay Vet. College 21 (1 & 2): 59 – 67



4.	Veterinary Anatomy	Aware N. N., Shankhapal V. D., Dhande P. L., Khandekar G. S. and Kolekar K. P.	Micrometrical studies on laparoscopically excised ovaries of dog (<i>Canis domesticus</i>)	J. Bombay Vet. College 21 (1 & 2): 68 – 72
5.	Veterinary Anatomy	S. Sathapathy, S. P. Khandate, R.Y. Charjan, R. S. Dalvi, S. B. Banubakode, N. C. Nandeshwar, A. M. Salankar and S. K. Joshi (2015).	Histological and micrometrical studies on the angioarchitecture of coronary artery in goat (<i>Capra hircus</i>).	Indian Veterinary Journal. 92(1): 34-37
6.	Veterinary Anatomy	D. Chaurasia, R.S. Dalvi, S.B. Banubakode, N. C. Nandeshwar, R. Charjan, S.P. Ingole and B. Sinha	Histological study on stromal tissue in mammary gland at lactating, involution and pregnant stage in Murrah.	Buffalo Bulletin35 (1): 291-98

Department of Veterinary Physiology & Biochemistry

7.	Veterinary Physiology	Patil, M. P., Nagvekar, A. S., Ingole, S. D., Bharucha, S. V and Palve V. T	Somatic cell count and alkaline phosphatase activity in milk for evaluation of mastitis in buffalo	Veterinary World. 8(3): 363 – 366, 2015
8.	Veterinary Physiology	Nagvekar, A. S., Deshmukh, B. T., Jagtap, D. B and Ingole, S. D	Profile of growth hormone, FSH, LH and steroid hormones during gestation in Murrah buffalo	Indian Journal of Animal Research 49(4) : 546-549; 2015
9.	Veterinary Biochemistry	Shiny Joy, B.T. Deshmukh, S. D. Dhaware and S. D. Borkar	Follicular fluid protein profile in buffalo	Veterinary Science Research Journal; Vol 6 Issue 2 October 2015 pg 71-79
10.	Veterinary Physiology	Dr. S.D. Kharde	Effect of different housing system on physiological responses in buffaloes.	Journal of Bombay Veterinary College Vol.20(02) P.No.18-20
11.	Veterinary Physiology	M.M.Vaidya, S.V.Singh, R.C. Upadhyay and Anjali Aggarwal	Plasma profile of hormone and energy metabolites in low & high producing periparturient Sahiwal cows during summer and winter season.	Indian Journal of Animal Research. 2015, 12 : 752-756
12.	Veterinary Physiology	M.M.Vaidya, S.V.Singh, Beenam and R.C.Upadhyay	Plasma profile of hormones and energy metabolites during periparturient period in low and high producing Karan Fries (Holstein Friesian × Tharparkar) cows during different seasons	Indian Journal of Animal Sciences 85 (7): 736–743, July 2015. NAAS Rating 6.17
13.	Veterinary Physiology	V.M.Sardar S.W. Bonde V. R. Patodkar	Effect of different glycerol levels in egg yolk citrate extender on freezability of ram semen	The Indian Journal of veterinary sciences and biotechnology 2015. Vol.11(2): 23-27



14.	Veterinary Physiology	V.M.Sardar S.W. Bonde V. R.Patodkar & S.M. Bhokre	Influence of different glycerol levels in skim milk diluent on freezability of ram semen.	Progressive research-An International Journal. 2015.Vol. 10 (IV): 2308-2310
15.	Veterinary Physiology	Prajakta Kuralkar, S. A. Dhenge and S. V. Kuralkar	Study on haematological parameters in Berari goat	The Indian Journal Of Veterinary Sciences and Biotechnology 2015, 11(1):30-31
Department of Poultry Science				
16.	Poultry Science	D.A.Ramteke,M.M.Kadam, M.A.Gole and D.S.Koli,	Partial replacement of Soyabean meal with roasted Guar gorma (<i>Cyamopsis tetragonoloba</i>) in broiler chicken diet ”	Indian Journal of Poultry Science Vol. 49(01)
17.	Poultry Science	M.G. Nikam, V. Ravinder Reddy, M.V.L.N.Raju1, K.Kondal Reddy, J. Narasimha	In- vitro assessment of non starch polysaccharide hydrolyzing enzymes in broiler diets based on Guar meal, Rape seed meal and cotton seed meal	International Journal of Science and Research Volume 4 Issue 11, November 2015
18.	Poultry Science	M.G. Nikam and V.Ravinder Reddy	Effect of supplementation of non starch polysaccharide hydrolyzing enzymes on performance of broilers	The Indian Journal of veterinary sciences and biotechnology 2015. Vol.11(2): 23-27
19.	Poultry Science	M.G. Nikam,V.Ravinder Reddy, M.V.L.N.Raju1, K.Kondal Reddy and J. Narasimha	Effect of supplementation of non starch polysaccharide hydrolyzing enzymes on nutrient utilization and economics of broiler production	International Journal of Agricultural Science and Research (IJASR) ISSN(P): 2250-0057; ISSN(E): 2321-0087 Vol. 6, Issue 1, Feb 2016
20.	Poultry Science	S.S.Joshi, P.B.Ingle, S.R.Bhagwat, M.M.Pawar, K.B.Prajapati and R.C.Kulkarni	Effect of dietary addition of ashwagandha (<i>Withania somnifera</i>) and guduchi (<i>Tinospora cordifolia</i>) powder on broiler performance.	Indian Journal of Animal Sciences, 85(12): 1358–1361, 2015
21.	Poultry Science	D.S.Bhosale, S.R.Bhagwat, M.M.Pawar and R.C.Kulkarni	Comparative efficacy of dietary addition of Tulsi (<i>Ocimum sanctum</i>) leaves powder and Vitamin E on broiler performance.	Indian Journal of Animal Nutrition, 32(3): 348–350, 2015



22.	Poultry Science	Manwar S J, Rekhate D H, Joshi M V, Waghmare S P, Kuralkar S V, Kotagiri Ravikanth and Ankush Reothia	Efficacy of supplementation of herbal liver tonic on the performance of commercial layers	International Journal of Recent Scientific Research, 2016, 7 (1) : 8447-8450
23.	Poultry Science,	Manwar S. J., Rekhate D. H., Joshi M. V., Waghmare S. P., Kuralkar S. V., Kotagiri Ravikanth and Ankush Reothia	Efficacy of supplementation of herbal methionine on the performance of commercial layers	World Journal of Pharmaceutical and Medical Research (2016), Vol. 2 (2), 38-41
24.	Poultry Science	S. Rindhe, S.U. Suryavanshi, K. K. Khose, K. Ravikant, Adarsh and A. Reothia	Effect of supplementation of Herbal antistress product and synthetic vitamin C on performance of broiler birds under physiological heat stress.	World journal of Pharmacautical Sciences 4 (1) : 54-59.

Department of Animal Genetics & Breeding

25.	Animal Genetics & Breeding	Kad S. D, Khade A. S, Khade S. B, Pawar V. D, Umrikar U. D, Sawane M. P Doiphode A. Y and Jagdade S. D	Genotyping of the Holstein Frisian Crossbred Cattle for Identifying a Mutant UMPS	J. Bombay Vet. College – 2013, Vol 20(2) 2015-16
26.	Animal Genetics & Breeding	Khade S. B, Khade A. S, Jagdade S. D, Pawar V. D, Doiphode A.Y, Sawane M. P and Umrikar U. D	Detection of Complex Vertebral Malformation in Holstein Frisian Crossbred Cattle by PCR-RFLP Method	J. Bombay Vet. College – 2013, Vol 20(2) 2015-16
27.	Animal Genetics & Breeding	Padve S.G, Khade A.S, Khade S. B, Umrikar U.D, Sawane M. P, Pawar V.D, Doiphode A. Y and Jagdale S.D	Polymorphism of β – defensin gene in dangi and Gir cattle.	J. Bombay Vet. College – 2013, Vol 20(2) 2015-16
28.	Animal Genetics & Breeding	R.S.Deshmukh, Hema Purandare, V. D. Pawar, M. P Sawane, U. D Umrikar.	Cytogenetic studies of Mammary gland tumour of Domestic Dog	Society of Conf. Abstract presented in Veterinary Biochemist and Biotechnologists of India. March 11-12,2015.
29.	Animal Genetics & Breeding	L. Khiangte, V. D Pawar, K. Bhave, P. Ukale, U. D. Umrikar, M. P Sawane and A. Y. Doiphode	Sex Determination of ornamental Birds by using Polymerase Chain reaction.	12 th Annual Convention of SOCDAB organized by TANUVAS. Feb 13-14,2015.
30.	Animal Genetics & Breeding	Rajalaxmi Behera, M.D. Kothekar, D.S. Kale, K. Krishnamurthi, A.R. Sirothia, D.R. Kalorey and M.S. Patil.	Study of mutations in aminolevulinic acid dehydratase (ALAD) gene in cattle from fly ash zone in Maharashtra, India.	Indian Journal of Animal Research. 50 (1): 19-22. (February 2016)
31.	Animal Genetics & Breeding	Kharkar Kranti, Kuralkar S V & Kuralkar Prajaka	Molecular genetic characterization of Berari breed of goat using microsatellite markers	Indian Journal Of Animal Research, 2015, 49(4): 423-428



32.	Animal Genetics and Breeding	Kharkar Kranti, Kuralkar S V & Hadge M R	Productive performance of Red Khandari and its Jersey crosses in different lactations.	Indian Journal of Animal Research, 2015 49(5) :599-601
33.	Animal Genetics and Breeding	Kuralkar S V, Kuralkar Prajaka Bankar P S, Chopade M M & Dhaware S A	Status, management practices and performance in three strains of Deoni breed of cattle.	Indian Journal of Animal Research, 2015 49 (6) : 752-756
34.	Animal Genetics and Breeding	Kuralkar S V, Kuralkar Prajaka & Kharkar Kranti	Genetic diversity and relationship among three goat breed of Maharashtra state of India	Indian Journal of Animal Sciences, 2016, 86 (1): 91-94

Department of Livestock Production & Management

35.	Livestock Production & Management	Damane P.T. and S. S. Chopade	Identification of Deoni Cattle by muzzle printometry	Journal of Agriculture Research Technology, 40 (2): 318-322
36.	Livestock Production & Management	Prashant Mashalji, M.F. Siddiqui, Y.G. Kankarne, V.S. Ingle and G.R. Channa	Correlation of body condition score, weight, measurements and effect of parity and stage of lactation on milk parameters of Gir cows	Indian J. Anim. Res., (2016) Vol.50(2) : 255-259
37.	Livestock Production & Management	S.M.Bhokre, D.M.Khandagale A.V.Khanvilkar and A.E.Talekar	Socioeconomic status and constraints faced by goat farmers in Satara District of Maharashtra	Progressive Research-An International Journal (2015) 10 (Special IV) 2207-2208
38.	Livestock Production & Management	A.E.Talekar A.V.Khanvilkar S.M.Bhokre, D.M.Khandagale	Effect of various genetic and non- genetic factors affecting growth performance of Sangamneri kids	Progressive Research-An International Journal (2015) 10 (Special IV) 2089-2091
39.	Livestock Production & Management	A.U.Gawade S.M.Bhokre, and A.V.Khanvilkar	Effect of different housing systems on reproductive disorders and performance in crossbreed cows.	Indian Journal of Animal Production and Management (2015) 31(3-4): 112-114

Department of Veterinary Public Health

40.	Veterinary Public Health	S. A. Sajjan, A. M. Paturkar, R. J. Zende, V. M. Vaidya, H. B. Chetankumar	Prevalence of Hydatidosis in domestic pigs and elucidation of its economics impact on pork production	Indian Vet. Journal, 2015, 92 (02)15-18
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41.	Veterinary Public Health	Vinay Kumar B. N. Prakash Nadoor, Nadeem Fairoze, Prashant S., Madhavaprasad C. B., Shilpa A. G., S. B. Barbuddhe , Nagappa Karabasanavar, Nitin Kurkure, Kotresh A. M., Sandeep Chaudhari	Molecular characterization and antibiogram of <i>Listeria monocytogenes</i> isolated from chicken and mutton of retail markets	Journal of Microbiology and Infectious Diseases 2016; 6 (2): 65-68
42.	Veterinary Public Health	Rajesh kumar Sahu, K. B. Satpute, C. D. Bhong and V. V. Deshmukh	Physiochemical and microbial analysis of drinking water in Parbhani city, Maharashtra, india.	Res. Pol. 34(2): 356:361 (2015)

Department of Veterinary Parasitology

43.	Veterinary Parasitology	Traub RJ, Irwin P, Torres FD, Tort GP, Labarthe NV, Ipankaw T, Gatne M, Linh BK, Schwan V, Watanabe M	Towards the formation of companion animal parasite council for the tropics (CAPCT)	Parasites and Vector, 8: 271 (2015)
44.	Veterinary Parasitology	Rajshree L. Shinde, Gopal P. Bharkad and Padma V. Devrajan	Intranasal microemulsion for targeted nose to brain delivery in neurocysticercosis: Role of docosahexaenoic acid	European Journal of Pharmaceutics and Biopharmaceutics, 96 : 363-379 (2015)
45.	Veterinary Parasitology	Shinde SS, Koticha A, Mehta PR and Gatne ML	Subconjunctival dirofilariasis	Journal of case report, 5(2): 340-42. (2015)
46.	Veterinary Parasitology	Ushma Patel, P. D. Jumde & S. W. Kolte (2015)	A note on occurrence of Coccidian infection in house sparrow (<i>Passer domesticus</i>)	Indian Veterinary Journal: 92 pp 88
47.	Veterinary Parasitology	P. D. Jumde, N. G. Bhilegaonkar and S. W. Kolte(2014)	Seroprevalence of <i>Sarcocystis</i> species infection in goats of Nagpur district of Maharashtra	Journal of Veterinary Parasitology 28(1):77-78
48.	Veterinary Parasitology	P. D. Jumde, N. G. Bhilegaonkar and S. W. Kolte(2014)	Studies on haematological and histopathological changes in sarcocystosis of naturally infected goats.	Journal of Veterinary Parasitology 28(1) 82-83
49.	Veterinary Parasitology	S. W. Kolte, Sanweer Khatoon, Afroz Jahan, B.S.Prajapati, N.V.Kurkure & A.G.Bhandarkar (2015)	Studies on the occurrence of <i>Cysticercus fasciolaris</i> (<i>Strobilocedrus</i>) infections in laboratory rats (<i>Rattus noevegicus</i>) in Nagpur.	Indian Journal of Animal Research, 2015 49(5) :599-601

Department of Veterinary Pathology

50.	Veterinary Pathology	Dr. Sawale G. K.	Note on occurrence of congenital umbilical hernia in Murrah Buffalo calf	Journal of Bombay Veterinary College, Vol: 20 (2), page 65-66
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51.	Veterinary Pathology	Sawale G. K., and Moregaonkar S. D.	Poorly differentiated sarcoma of spleen with metastasis in lung in Doberman dog .	Indian Journal of Canine practice Vol 7 (1) June 2015
52.	Veterinary Pathology	Sawale G. K. , Kadam D.P. and Moregaonkar S. D	Primary alimentary lymphosarcoma with metastasis to gall bladder in Doberman dog	IJVP, July 2015
53.	Veterinary Pathology	Sawale G. K., Dhaygude V. S. Moregaonkar S. D.	Observations on occurrence of frothy bloat in goat	JBVC, Mumbai Vol 21 (1): 86-88, 2014
54.	Veterinary Pathology	Dhaygude V. S.	Effect of commercial mycotoxin binder on hematobiochemical alterations in experimentally induced mycotoxicosis in broilers	JBVC, Mumbai Vol 21 (1): 17-20,2014.
55.	Veterinary Pathology	Moregaonkar S. D., Sawale G. K., Meshram P. V. and Kadam D. P.	Hepatoc coccidiosis with concurrent Pasteurella infection in rabbit	Indian Journal of Veterinary Pathology, Vol. 39(3), 269-271
56.	Veterinary Pathology	Dhaygude V. S.	Multicentric cutaneous follicular lymphoma in a Buffalo bull: Gross and histopathological study	The Indian Vet. Journal, Chennai, Vol. 92 (11), 80-82
57.	Veterinary Pathology	D. P. Kadam, G. K. Sawale, Dhaygude V.S and P.V. Meshram	Haemangiosarcoma of prepuclial mucosa in Dog	The Indian Vet. Journal, Chennai
58.	Veterinary Pathology	Vitthal S. Dhaygude	Potential dual role of Eugenol in inhibiting advanced glycation end products in Diabetes: proteomic and mechanistic insights	Scientific Reports (Nature) 7 Jan 2016 6: 18798/DOI:1038/ Srep 18798, Page 1-13
59.	Veterinary Pathology	Khatton, S., Kolte, S.W. Kurkure, N.V. Chopade, N. Jahan, A.A.	Detection of tropical bovine theileriosis by PCR	J. parasitic diseases, 2015, 39:53-60
60.	Veterinary Pathology	Hussain, A.A., Dangimawala, H.F., Warke, S.R., Kalorey, D.R., Kurkure, N.V., Purohit, H.J.	Investigation of immune biomarkers using subcutaneous model of M. tuberculosis infection in BALB/c mice	Immune network, 2015, 15: 83-90
61.	Veterinary Pathology	Nair, A, Rwool, D.B. Doijoad, S., Poharkark, Mohan, V., Barbhudhe, S.B.Kolhe, R., Kurkure, N.V., Kumar , A., Malik, S.V. Balasaravanam, T.	Biofilm formation and genetic diversity of salmonella isolates recovered from clinical, food, poultry and environmental sources.	Infect Genet Evol, 2015, 36 : 424-33
62.	Veterinary Pathology	Kamdi, B.P. Sonkusale P.M., Raut S.W., Pande R.K. Bhandarkar, A.G. Kurkure NV.	Pathology and molecular diagnosis of chicken infectious anemia in RIR flocks in natural outbreaks	Indian J. Veterinary Pathology, 2015, 39: 50-53



63.	Veterinary Pathology	B.M.Kondre, G.B.Kulkarni G.R.Gangane	Surveillance of reproductive disorders in Marathwada region of Maharashtra	Veterinary Science Research Journal Volume 6, Issue 2, October 2015 Pg.85-89
64.	Veterinary Pathology	Chandrashekhar Mote, Pankaj Gaonkar and Shiyamala S.	Economic impact due to Theileriosis in dairy cattle	Journal of Veterinary Science and Technology, 2015, Vol. 6 : Issue 6. ISSN no. 2157-7579 (http://dx.doi.org/10.4172/2157-7579.C1.012)
65.	Veterinary Pathology	Madhuri Hedau and A.G.Bhandarkar	Pathology of meloxicam toxicity in cockrel birds	The Indian Journal of Veterinary Sciences and Biotechnology (2016), 11(3):59-64

Department of Veterinary Microbiology

66.	Veterinary Microbiology	S.N. Swapna, R.R.Pharande, A.S.Bannalikar and A.P.Mukne	In Vitro antimycobacterial activity of acetone extract of <i>Glycyrrhiza glabra</i>	Journal of Pharmacy & Pharmacognosy Research, 3(4), 80-86. 2015
67.	Veterinary Microbiology	Dipika Mankar, R. S. Gadge and A. S. Bannalikar	Characterization of biofilm and coagulase producing <i>Staphylococcus aureus</i> associated with bovine mastitis	Indian Journal of Animal Science, 2015; 85(1):16-23
68.	Veterinary Microbiology	M.N.N Chougule , R.S. Gadge, A. S. Bannalikar, S. B. Majee and R. R. Pharande	Characterization of <i>Staphylococcus aureus</i> by Pulse Field Gel Electrophoresis	Indian Journal of Animal Science, 2015; 85(4): 348-351
69.	Veterinary Microbiology	M. V. Hemade, R.S. Gadge and A. S. Bannalikar	Detection of animal Brucellosis by cultural method	Indian Journal of Animal Science, 2015; 85(6) : 564-569
70.	Veterinary Microbiology	S. Y. Kamble, R. S. Gadge and S. B. Majee	Diagnosis of poultry Mycoplasmosis by cultural isolation and PCR	Indian Journal of Animal Science, 2015; 85(10) :11-14
71.	Veterinary Microbiology	Jamunaben Bhanabhai Patel, Sheila Patel, Purshottam Patel, Ravikumar R. K., Amol S. Kinhekar, Vivek Kumar, Ingle V. C., Sudhakar Awandkar, Prabhakar A. Tembherne and Vipin Kumar	Poultry immunity against Ranikhet Disease Virus (RDV)-A case study of an indigenous poultry medication in village production systems of Maharashtra, India	Journal of Chemical and Pharmaceutical Research, 2015, 7(4):1040-1042



72.	Veterinary Microbiology	Ravikumar R.K., Kinhekar Amol S., Ingle, V.C., Sonkusale Prashant, Awandkar S. P., Tembhurne Prabhakar A., Kumar Vipin	Effect of heat stress on haematological and immunological parameters in broiler chicken	The Indian Journal of Veterinary Sciences and Biotechnology 2016, Volume : 11, Issue : 3 – 40-42
73.	Veterinary Microbiology	Aliabbas A. Husain, Hatim F. Dagniwala Shubhangi R. Warke, Dewanand R. Kalorey, Nitin V. Kurkure, Amit R. Nayak, Hemant J. Purohit Girdhar M. Taori Rajpal S. Kashyap	Heterologous Prime Boost Regimes with N-terminal Peptides of Ag85B Induces Better Protection than Ag85B and BCG in Murine Model of Tuberculosis	Int J Pept Res Ther DOI 10.1007/s 10989-015-9490-8 Published online, 16th Sept 2015
74.	Veterinary Microbiology	Sumedha Bobade, Shubhangi Warke, Dewanand Kalorey	Virulence gene profiling and serotyping of <i>Listeria Monocytogenes</i> from infertility cases of women	International Journal of Health Sciences & Research (www.ijhsr.org) IJHSR. Vol.6; Issue: 1; January 2016.
75.	Veterinary Microbiology	Sumedha Bobade, D.R. Kalorey, and Shubhangi Warke (2016)	Biosensor Devices: A review on their biological applications.	Biosci. Biotech. Res. Comm. 9(1): 132-137., 2016
76.	Veterinary Microbiology	A.V.Bhonsle, A.U.Bhikane, M.A.Khan, M.B.Kulkarni and A.G.Karpe	Molecular diagnosis & therapeutic management of Black Quarter : A clinical study of 21 Bovines	Intas Polivet, 2015, 16(11): 376-379

Department of Veterinary Pharmacology and Toxicology

77.	Veterinary Pharmacology & Toxicology	Rahul R. Kauthale, Shruta S. Dadarkar, Raghib Husain, Vikas V. Karande and Madhumanjiri M. Gatne	Assessment of temperature-induced hERG channel blockade variation by drugs	Journal of Applied Toxicology Volume 35, (7): 799–805, July 2015
78.	Veterinary Pharmacology & Toxicology	S.S. Sole and B.P.Srinivasan	An insight into antidiabetic mechanisms of polyphenol rich (Catechin, Epicatechin) Tamarind seeds	Bio Accent (BAOJ) Pharmaceutical Sciences 2015, 1: 3 1: 014
79.	Veterinary Pharmacology & Toxicology	Bhaisare Trupti, S. W. Hajare, Yogita Amrutkar, N. M. Bhojane, M. V. Ingwale and S.P. Rothe	Anti-nociceptive effect of Curcumin in mice.	International Journal Of Institutional Pharmacy And Life Sciences 5(4) 21-28
80.	Veterinary Pharmacology & Toxicology	Rathod N. , S. Kukade, M.K. Lonare and S.W. Hajare	Influence of meloxicam on pharmacological alteration of moxifloxacin in male goats	Ruminant science Vol.4 (1) 103-08


Department of Veterinary Clinical Medicine & Nuclear Medicine

81.	Clinical Medicine	S.M.Metkari, R.V.Gaikwad, D.G.Dighe, R.D.Velhankar, C.N.Galdhar, P.S.Khangal, Mukesh Srivastava	Hematobiochemical alterations in Canine atopic dermatitis	J Canine Develop.& Research Vol.10 (2014):23-27
82.	Clinical Medicine	R.D.Velhankar,D.V.Keskar, R.V.Gaikwad and A.Samad	Cardiac indexing in dialated cardiomyopathy affected dogs	J Canine Develop. & Research Vol.10 (2014):29-33
83.	Clinical Medicine	P.S.Khangal, R.V.Gaikwad, R.D.Velhankar, C.N.Galdhar, D.G.Dighe, S.M.Metkari	Studies on serum biochemical profile of dogs suffering from dialated cardiomegaly	J Canine Develop. &Research Vol.10 (2014):35-41
84.	Clinical Medicine	R.D. Velhankar, D.V. Keskar, R.V.Gaikwad and A.Samad	Epidemiological observations on dialated cardiomegaly in dogs	J Canine Develop.& Research Vol.10 (2014): 43-47
85.	Clinical Medicine	Mukesh Srivastav, Anil Ahuja, D.K. Bihani, Anju Chahar, R.D.Velhankar, R.V.Gaikwad, Prakash Khangal, S. Kacchhwaha and Ankita Sharma	Prevalence of dialated cardiomegaly in various age groups of dogs	J Canine Develop. & Research Vol.10 (2014):49-52
86.	Clinical Medicine	R.D.Velhankar, D.V.Keskar, R.V.Gaikwad and A.Samad	Hematobichemical alterations in dogs suffering from dialated Cardiomyopathy	J Canine Develop. & Research Vol.10 (2014):58-64
87.	Nuclear Medicine	C. N. Galdhar, R. V. Gaikwad, P.S. Khangal, M. L. Pawar, P.R. Chaudhari and A. Samad	Osteodystrophia fibrosa in a non-descript buck-A case report	Indian J. Vet. Med. Vol. 35, No. 1, 2015 pp. 76-78
88.	Nuclear Medicine	Mrunali R. Patel ,Rashmin B. Patel, Kashyap K. Bhatt, Bharat G. Patel & Rajiv V. Gaikwad	Paliperidone microemulsion for nose-to-brain targeted drug delivery system: pharmacodynamic and pharmacokinetic evaluation	Drug Delivery Volume 23, Issue 1, 2016 pages 346-354
89.	Nuclear Medicine	Rashmin B. Patel, Mrunali R. Patel, Kashyap K. Bhatt, Bharat G. Patel & Rajiv V. Gaikwad	Evaluation of brain targeting efficiency of intranasal microemulsion containing olanzapine: pharmacodynamic and pharmacokinetic consideration	Drug Delivery, Volume 23, Issue 1, 2016 pages 307-315
90.	Nuclear Medicine	Rashmin Bharatbhai Patel, Mrunali Rashmin Patel, Kashyap K. Bhatt, Bharat G. Patel & Rajiv V. Gaikwad	Microemulsion-based drug delivery system for transnasal delivery of Carbamazepine: preliminary brain-targeting study	Drug Delivery Volume 23, Issue 1, 2016 pages 207-213
91.	Veterinary Medicine	M. J. Umale, A. M. Rode, N. P. Dakshinkar, C.G. Panchbhai and A. A. Sanghai (2015)	Evaluation of etiology and antibiogram in Otitis - A clinical study of 40 dogs	Intas Polivet, 16 (2): 325-329



92.	Veterinary Medicine	A. G. Dubey, A. M. Rode, N. P. Dakshinkar, V. C. Ingle and A. A. Sanghai (2015)	Clinico-Diagnostic study on canine Dermatomycosis – A study of 18 dogs	Intas Polivet, 16 (2): 469-472
93.	Veterinary Medicine	Becharbhai Samantbhai Devgania, Dilipbhai Kordia, Mahesh B. Chodvadiya, Ramesh Patel, Devesh Patel, Amol S. Kinhekar, Pawan K. Singh, Vivek Kumar, Bhojnae, G.R., Ravi Kumar, R.K., Vipin Kumar (2015)	Reverence of community towards Grass root Livestock Innovation: Responding to stakeholders need against sub-clinical mastitis in Amreli District, Gujarat, India	Advances in Animal and Veterinary Sciences, Dec-2015, 3 (12): 689-693
94.	Veterinary Medicine	Bhojne, G.R., Sanghai, A.A., Dakshinkar, N.P. and Kalyani Thakur (2015)	Successful therapeutic management of Geriatric vestibular syndrome in dogs	Indian Journal of Canine Practice, 7 (2): 91-93
95.	Veterinary Medicine	Dubey, A. G., Rode, A. M., Dakshinkar, N. P. Sanghai, A. A. and Bhojne, G.R. (2015)	Comparative efficacy of different antifungal drugs in canine dermatomycosis	Indian Journal of Canine Practice, 7 (2): 120-123
96.	Veterinary Medicine	Khangal P. S. Digraskar S.U., Rasal T.D. and Farheen Fani	Epidemiological observations on caprine mastitis in and around Parbhani	Veterinary Practitioner (2015): 16(1): 39-40.
97.	Veterinary Medicine	Khangal P. S. Digraskar S.U., Rasal T.D. and Farheen Fani	Therapeutic efficacy of different antimicrobial agents along with antioxidants in the treatment of Caprine mastitis.	Veterinary Practitioner (2015): 16(1): 9-10.
98.	Veterinary Medicine	Dr.R.B.Meshram Dr.S.P.Waghmare Dr.S.G.Mode Dr.N.P. Dakshinkar Dr.K.S.Pajai Dr.M.F.M.F.Siddiqui	Efficacy of bypass fat in management of Ketosis in dairy cows	Indian J.Vet.Med. 2015, Vol.35(2): 122-125
Department of Veterinary Surgery and Radiology				
99.	Surgery and Radiology	Natasha Cutinho, Vikash Singh and D.U.Lokhande	Management of unstable diaphyseal fracture of long bones with dynamic compression plate fixation in six dogs	Indian J Vet. Surgery 36(1):63 June 2015
100.	Surgery and Radiology	G.S.Khandekar, S.V.Gaikwad, K.S.Chaudhary, Pooja Juneja and S.D.Tripathi	Bacterial Isolation after Ovariohysterectomy for selection of antibacterials in Canine Pyometra	Intas Polivet Vol. 16 No.II
101.	Surgery and Radiology	G. S. Khandekar, L. B. Sarkate and K. R. Bendale	Physiological and Haematobiochemical changes under Propofol and Halothane anaesthesia in Dogs undergoing Laparoscopic Procedures	Indian Journal of Veterinary Surgery Vol. 36(1)



102.	Surgery and Radiology	Yogita Pawar, Dattatray Kadam, Gajendra Khandekar and Renuka Nehete	Gross and Cytological evaluation of canine spontaneous mammary neoplasms and its correlation with histopathology and morphometric analysis	International Journal of Veterinary Science Vol. 4(3): 104-110
103.	Surgery and Radiology	N.N.Nadkarni, A.A.Pawar and G. S. Khandekar	Two port Laparoscopic assisted surgical approach for a monorchid cat	International Journal of Veterinary Science Vol. 4(3): 152-154
104.	Surgery and Radiology	G. S. Khandekar	Laparoscopic Applications in Veterinary Surgery	Goa Veterinary Bulletin
105.	Surgery & Radiology	S.V. Upadhye, S. B. Akhare, P.T. Jadhao G.S. Khante, Shalaka Salvekar, S.S. Pitlawar & Nitya Nirody	Cranial neoplasia in dog	J. Bombay V. College, 21 (2) : 88-89
106.	Surgery & Radiology	S.V. Upadhye, S. B. Akhare, M.S. Dhakate, G.S. Khante, A. P. Gawande, & Shalaka Salvekar,	Reconstruction of buccal mucosa in a dog	J. Bombay V. College, 21 (2) : 93-94
107.	Surgery & Radiology	C. A. Chavan, M. P. Kaore, A. D. Ingle, N. V. Kurkure, S. B. Akhare and A. G. Bhandarkar	Immunohistochemical study of a rare case of bovine ameloblastoma	Indian J. Vet. Pathol., 38(4): 275-277
108.	Surgery & Radiology	Balwant Meshram, R. S. Dalvi, Y. Nagmalleshwari and Mrunali Kamble	Age related histomorphological and transmission electron microscopic studies of the pancreatic islets in goats	Journal of Agriculture & Veterinary Science Vol. 8 Issue II pp 37-45
109.	Surgery & Radiology	Dr.J.V.Changade Dr.A.H.Ulemale	Rich Source of Neutraceutical : Cucumis Sativus (Cucumber)	International Journal of Ayurveda & Pharma Research.

Department of Animal Reproduction, Gynaecology and Obstetrics

110.	Animal Reproduction, Gynaecology and Obstetrics	Dr. Anushree Ghaisas, Dr. S.U. Gulavane, Dr. M.N. Rangnekar, Dr. R.J. Chaudhari	Ultrasonographic evaluation and correlation of maternal and fetal heart rates during gestation in canines	Polivet Vol.15 pg-19-20
111.	Animal Reproduction, Gynaecology and Obstetrics	Dr. S.U. Gulavane, Dr. R.R. Shelar	Medical termination of pregnancy in canines	IAVW conference lead paper 8-10 oct 15



112.	Animal Reproduction, Gynaecology and Obstetrics	Dr. S.U. Gulavane	Constraints in pet animal reproduction and its remedial measures	Lead paper, National symposium, ISSAR, Banglore, pg 30-31
113.	Animal Reproduction, Gynaecology & Obstetrics	Dr. A. D. Patil, Dr. S. P. Awandkar Dr. S. K. Sahatpure, Ms. Prasanna Pati, Dr. M.S. Patil	Antibiotic Sensitivity test and treatment of repeat breeding in canines- a clinical study of six bitches	INTAS Polivet 16(II)233-234
114.	Animal Reproduction, Gynaecology & Obstetrics	Ms. Prasanna Pati, Dr. S. K. Sahatpure Dr.A.D.Patil, Dr. M.S. Patil Dr. A. P. Gawande	“ Detection of early pregnancy in Osmanabadi goats by different techniques”	Veterinary Practioner 16 (2)196-198
115.	Animal Reproduction, Gynaecology & Obstetrics	Rajalaxmi Behera*, M.D. Kothekar, D.S. Kale, K. Krishnamurthi, A.R. Sirothia, D.R. Kalorey and M.S. Patil	Study of mutations in aminolevulinic acid dehydratase (ALAD) gene in cattle from fly ash zone in Maharashtra, India	Indian J. Anim. Res., 50 (1) 2016: 19-22
116.	Animal Reproduction, Gynaecology & Obstetrics	Mohd Alyas, W A A Razzaque, M Mutha Rao and H R Bharadwaj	Improving reproductive efficiency and fertility rate in anestrus buffaloes treated with progesterone based hormonal protocol.	Indian J of Anim Sci 85 (2): 155-157, 2015
117.	Animal Reproduction, Gynaecology & Obstetrics	W. A. A. Razzaque, Rameez Ali, Ashiq Hussain, M. Mutha Rao, Syed Naafia, Utsav Sharma and Kafil Hussain	Follicular Fluid Nitric Oxide Concentration in relation to stages of estrous cycle in ewes	Indian Veterinary Journal 91(4): 35-38, 2014
118.	Animal Reproduction, Gynaecology & Obstetrics	Rameez A, W.A.A.Razzaque, U Sharma, A Pande and K Hussain	Survivability of caprine oocytes in conventional and open pulled straws	Turkish J Vet Anim Sci 38:707-711, 2014
119.	Animal Reproduction, Gynaecology & Obstetrics	Arbal R.W., M.V. Ingawale, S.G. Deshmukh and S.W. Hajare	Detection of preovulatory follicle size and early pregnancy by using ultrasonography in throubred mares during foal heat.	Indian journal of Animal reproduction 36 (1)pp 42-45
120.	Animal Reproduction, Gynaecology & Obstetrics	Arbal R.W., M.V. Ingawale, S.G. Deshmukh and S.W. Hajare (2015)	Studies on embryonic development of through bred Mares	Indian Journal of Veterinary science and biotechnology Vol 11(2) pp 11-14
121.	Animal Reproduction Gynaecology and Obstetrics	Deshmukh,S.G,Bakshi,Ingawale M.V. and ChepteS.D.	Ovulation Synchronization for improving fertility in post partum dairy cows.	The Indian Journal of veterinary Science and Biotechnology Vol 10(4):9-11



122.	Animal Reproduction Gynaecology and Obstetrics	Raut M.R, Ingawale M.V, Deshmukh,S.G and Arbal R.W	Efficacy of cloprostинol sodium administration during early post partum period on uterine involution in cows	The Blue cross book Vol. 32:39-42
123.	Animal Reproduction Gynaecology and Obstetrics	Ingawale M.V.	Successful expulsion of mummified fetus in a cow	The Blue cross book Vol.32:98-99
124.	Animal Reproduction Gynaecology and Obstetrics	Bankar P.S,Patil Snehal and Deshmukh S.G.	Study of socio-economic status and knowledge level of dairy farmers about dairy technology	The Indian Journal of veterinary Science and Biotechnology Vol. 10(3):50-53
Department of Animal Nutrition				
125.	Animal Nutrition	V.K. Munde, V.H. Kalbande, A.T. Shinde, A.P. Tornekar	Effect of feeding urea treated sugarcane byproducts and other crop residues based complete rations on performance of Osmanabadi goat kids	Volume IV, Issue XII, April 2015 Multilogic in Science (ISSN 2277-7601)
126.	Animal Nutrition	V.K. Munde, V.H. Kalbande, P.M. Kekan, S.D. Kharde, A.T. Shinde	Evaluation of urea treated sugarcane by-products and other crop residues based complete rations for Osmanabadi goat kids	Volume V, Issue XV, January 2016 Multilogic in Science (ISSN 2277-7601)
127.	Animal Nutrition	H. S. Narute, A. B. Kanduri, P.V.Patil and M.A.Khan	Effect of Herbal combination on the hematological and serum Biochemical profile of Osmanabadi Goat kids.	The Indian veterinary Journal, 92 (7): 59-61, July, 2015.
128.	Animal Nutrition	V.R. Kale, S. M. Wankhede and S.A. Amrukar	"Impact of dietary supplementation of Ashwagandha (Withania somnifera) root powder on production efficiency of broiler chicks".	The Indian Veterinary Journal (2015, 92(6): 69-70
129.	Animal Nutrition	V.R.Kale,S.M.Wankhade, C.S.Patil and A.A.Shete	Effect of supplementation of Withania somnifera (Ashwagandha) root powder as feed additive on performance and blood biochemicals of broilers	Indian journal of Animal Research (2016)50(1)53-56
Department of Veterinary Livestock Products and Technology				
130.	Livestock Products and Technology	D.G.Nagrale S.N. Rindhe A.A. Devangare and A.T.Shinde	Assessment of Shelf life of Fish Patties Incorporated with Rice and Corn flour during refrigerated storage 4+1oC	Journal of Multilogic in Science. Volume IV, Issue XII, April 2015


Department of Veterinary and Animal Husbandry Extension Education

131.	Vety. and Animal Hus.Ext. Education	Sangram Chavan, D.S. Deshmukh, Amol Patil and G.R. Gangane	Perceived Attributes of Home-made Concentrate Technique Adopted by Buffalo Dairy Entrepreneurs and its Correlation with their Personal Socio-economic Characteristics.	Indian Journal of Animal Science, 2015; 85(1):16-23
132.	Vety. and Animal Hus.Ext. Education	Sangram Chavan, D.S. Deshmukh, Manish Sawant and G.R. Gangane	Adoption Of Scientific Feeding Practices By Buffalo Dairy Entrepreneurs In Peri-Urban Area	International Journal of Advanced Research (2016), Volume 4, Issue 2, 1275-1280

Teaching Veterinary Clinical Complex

133.	TVCC	Dr Kiran Bendale, Dr Saral Desai, Dr. Asawari Patil, Dr Pradip Chaudhari, Dr Shivaji Talekar, Dr Rajeev Gaikwad and Dr Devendra Chaudhari	Giant cavernous splenic haemangioma in a dog	Journal of Companion Animal Published Online: November 09, 2015
134.	TVCC	C. N. Galdhar, R. V. Gaikwad, P.S. Khangal, M. L. Pawar, P.R. Chaudhari and A. Samad	Osteodystrophia fibrosa in a non-descript buck-A case report	Indian J. Vet. Med. Vol. 35, No. 1, 2015 pp. 76-78
135.	TVCC	Mane P. M. & Bhangre R. D.	Outcome of different regimes of treatment for uterine torsion in bovine at field level- A clinical study.	Indian Journal of Animal Research 49 (6) : 819-822.
136.	TVCC	Dr.M.F.M.F.Siddiqui, Dr.S.P.Waghmare, Dr.S.G.Mode, Dr.K.S.Pajai, Adarsh, S.Maini and K.Ravikanth	A herbal tool- AV/KPC/10 to check the sub clinical ketosis in cows	The Journal of Veterinary Science, 2015, Vol.116: 457-464
137.	TVCC	P. A. Kahate, S. D. Chavan, S. P. Waghmare, R. R. Shelke	Haemo-biochemical studies in indigenous calves on feeding ammoniated soybean straw	Indian J. Animal Production Management Vol. 31 (1-2) (2015), 84-89
138.	TVCC	R. R. Shelke, S. D. Chavan, S. P. Waghmare, P. A. Kahate	Effect of feeding of urea ammoniated soybean straw on blood biochemical parameters of lactating cows	The Asian Journal of Animal Sciences, (2015) , Vol. 10 (2)
139.	TVCC	P. S. Khangal, S. U. Digraskar, T. D. Rasal and Farheen Fani	Therapeutic evaluation of different antimicrobial agents along with antioxidant in the treatment of Caprine Mastitis.	Vet. Practitioner, Vol. 16, No. 1, June 2015


Instructional Livestock Farm Complex

140.	ILFC, Goregaon	P. G. Birajdar, J. G. Gudewar, H. Y. Palampalle, S. H. Dalvi and M. L. Gatne	Haematological and Biochemical characterization of Bubaline Trypanosomosis in Mumbai Region of India	Journal of Buffalo Science, 3(2): 59-62, 2014
141.	ILFC, Goregaon	Dr. V.G.Nimbalakar, Dr. V. Khanvilkar, Dr. S.M. Bhokare, Dr. H.Y. Palampalle, and Dr. N.S. Bhosale	An Overview of transfer of low cost azolla cultivation technology amongst the farmers of Maharashtra	XIII National Conference of IAWV-2014 and National Seminar on Livestock Breeding Strategies for Productivity Enhancement towards rural Prosperity
142.	ILFC, Goregaon	G. K. Savale, D. S. ghavane, N. R. Dagli, H. Y. Palampalle, S. D. Moregaonkar	Traumatic Reticular Diaphragmatic Hernia in Buffalo: case Report	Indian Vet. Journal. 92(2): 54-56, 2015
143.	ILFC, Goregaon	G. K. Savale, S. Ghavane, Mhase A. K., H. Y. Palampalle, Purvi Naik and S. D. Moregaonkar	Observation on occurrence of penetrating and non-penetrating foreign bodies in buffaloes	Indian Vet. Journal. Accepted for June, 2016
144.	ILFC, Goregaon	G. K. Savale, H. Y. Palampalle N. M. Jaibhaye, S. Ghavane, Patil R. J. and S. D. Moregaonkar	Omphalitis (Naval ill) in buffalo calf : Two case studies.	Indian Vet. Journal. Accepted for June, 2016
145.	ILFC, Goregaon	Sherpa Tenzing Dorjee, Chaudhari K. S., Lokhande D. U., Khandekar G. S., Tripathi S. D., Gaikwad S. V., Tiwari Manish and Vedpathak Aakash	Surgical Management of Linear (thread) Foreign Bodies in Cat	The Journal of Bombay Vet. College Vol. 21 (1)
146.	ILFC, Goregaon	M. S. Rajhans, D. U. Lokhande, G. S. Khandekar and S. V. Gaikwad	Static intramedullary interlocking nailing for repair of femoral fracture in a dog	The Journal of Bombay Vet. College Vol. 21 (1)
147.	ILFC, Goregaon	Sherpa Tenzing Dorjee, Lokhande D. U., Khandekar G. S., Chaudhari K. S., Tripathi S. D., Gaikwad S. V., Vedpathak Aakash and Tiwari Manish	Surgical Management of Gastric Foreign body (Stone) in Dog	The Journal of Bombay Vet. College Vol. 21 (1)
148.	ILFC, Goregaon	Rajhans M.S., Lokhande D.U., Khandekar G.S., Gaikwad S.V.	Retrigrade Intramedullary pinning for repair of Humerus Fracture in a Sheep	J. Bombay Vet. College 2014, 21 : (2), 84-85.
149.	ILFC, Goregaon	Rajhans M.S., Khandekar G.S., Lokhande D.U., Gaikwad S.V., Patil D.J.	Mastocytoma in a Dog – A Case Report	J. Bombay Vet. College 2014, 21 : (2), 90-91.



150.	ILFC, Goregaon	G.S. Khandekar, S.V. Gaikwad, K.S. Chaudhari, Pooja Juneja and S.D. Tripathi	Bacterial Isolation After Overiohysterectomy for Selection of Antibacterials in Canine Pyometra	Intas Polivet Vol. 16 No. (II)
Dairy Technology College				
151.	Dairy Chemistry	HM Gawande, Arora S. Sharma V., Wadhawa B. K.	Aspartame: Safety and stability in Kalakand	Journal of Food Science and Technology (2015) 52(4):2373-2379
152.	Dairy Technology	P. K Wasnik & S. P. Changade	Studies on shelf life of Paneer whey based jelly confection	Asian J. Dairy & Food Res, 34(3) 2015: 187-194
153.	Dairy Technology	Shaikh Adil, Changade S.P., Dhotre A.V. & Chopde S.S.	Studies on sensory and keeping qualities of pumpkin based kheer	Asian journal of Dairy & Food Research. Vol. 34, No.4, (2015), pp :270-274
154.	Dairy Technology	Shaikh A, Changade S.P., Dhotre A.V. & Chopde S.S.	Studies on development of pumpkin based dried kheer mix.	Indian Journal of Dairy biosciences, vol 25 (2015), pp: 1-5
155.	Dairy Engineering	S.S. Chopde	Process Optimization for In-line Production of Rabri.	Asian journal and dairy and food research, vol. 35 no. 1, pp: 10-16
156.	Dairy Chemistry	Vairagade A., Patil M.R., Gawande H.M., Dhotre A.V.	Stability of saccharine in low calorie carrot halwa	Asian journal and dairy and food research, vol. 35 no. 1, pp: 41-49
157.	Dairy Microbiology	P.R. Bachanti, Shilpa Vij	Antimicrobial activity of Sodium caseinate fermentate of <i>L. fermentum</i> NCDC 141	Asian journal of Dairy & Food Research. Vol. 34, No.4, (2015), pp :265-269
158.	Computer Science	M.A .Deshmukh, S.D. Kalyankar, S.S., Chopde, V.D. Kale, D.N. Bajad	Computer Applications in Dairy Industry	Oriental journal of Computer science & technology vol. 8, no.(1) pp. 24-34
159.	Computer Science	Deshmukh M.A., Kalyankar S.D., Chavhan B.B., Bajad D.N.	Computer Application for effective learning in classroom	Multilogic in Science, Volume VI issue XV Dec 15



160.	Computer Science	Deshmukh M.A., Chopde S.S., Kalyankar S.D., Chavhan B.B., Bajad D.N.	CS: An Effective Application for Modern Classroom	International Journal for Research in emerging science and technology, Volume-2, Issue-8
College of Fishery Science				
161.	Department of Fisheries Biology	Ghatge, S. S., Biradar, R. S., Lohit. K., Pawar, N. A. & Chaudhary, A. K.	Fisheries geographical information system for Greater Mumbai region.	Indian Journal of Fisheries for publication, 2015 62(2). (Research Note)



9

EXTENSION EDUCATION AND TRAINING

Extension as a third important component for the Universities plays a key role in transfer of technologies to the farmers. From its inception MAFSU has strived hard in reaching the farmers for animal husbandry, dairy and fisheries sector. In its efforts the university is working for the effective extension work through its constituent colleges. The Directorate of Extension and Training is actively involved in planning, monitoring and execution of the various extension activities in the university.

Major extension activities through these colleges are participation in regional and national exhibitions, trainings and animal health camps including demonstrations for the farmers. Special extension programmes though the activities involving National Service Scheme and involvement of other voluntary organization are carried out in the form of campaigns, rallies, group discussions, trainings on value added milk and meat products, enrichment of poor quality fodder, quality production, treatment camps etc. On farm demonstrations for livestock farmers were carried out throughout the state of Maharashtra by the faculty of Veterinary, Dairy Technology and Fisheries forms a unique way of technology dissemination.

Remarkable advancement in outreach of the fisheries activities can be gauged by large scale propagation of scientific inland fisheries especially in Vidarbha and Marathwada region of the state. Entrepreneurial ventures especially by the local fisherman

communities have given a significant impetus in growth of inland fish production in the state. The fish cooperative societies, self help groups are also provided with fish seed produced by fishery colleges.

Good quality extension material is being regularly published through local news papers and magazines. The University along with its constituent colleges have published many good quality extension publications in the form of poster, leaflets, folders, technical bulletins and booklets on various important issues for the farmers. Experts from the university are regularly involved in All India Radio and Television programmes for guiding the farmers through these mediums. The university has a separate website as a useful extension tools for its continuing education programmes. To boost up the spread of the various academic, research and extension activities, the university is publishing "MAFSU VARTA" on quarterly interval. Extension approaches involving the technology transfer through MAFSU can be evident from the adoption of validated technology viz. loose housing system, composite silage making, dairy management software, etc. by the farmers across the state.

To support the extension activities through use of audio visual aids, the university and its constituent colleges has developed several AV aids. Farmer's queries through personal visits, telephones and mails are promptly resolved by the expert faculties of the university. All the constituent colleges of the university have 1-2 adopted villages for



regular extension and allied activities. There is a regular follow-up of the activities being taken in these villages at the college level through weekly visits and these villages are serving the purpose of the field laboratories for on field extension activities on regular basis.

Beside this, the university is actively involved in the extension based research projects sanctioned by

various agencies like Indian Council of Agricultural Research (ICAR) under Tribal Sub Plan (TSP), Rajiv Gandhi Science and Technology Commission (RGSTC), Agricultural Technology Management Agency (ATMA) etc. Collaborative programmes are being taken with Maharashtra Bank Self Employment training institute, MS Swaminathan Research Foundation in Wardha District.

9.A. Trainings organized

Name of College	For Officers	For Farmers
Bombay Veterinary College, Mumbai	26	18
Nagpur Veterinary College, Nagpur	05	17
College of Veterinary & Animal Sciences, Parbhani	03	06
KNP College of Veterinary Sciences, Shirwal	05	11
College of Veterinary & Animal Sciences, Udgir	04	03
Post Graduate Institute of Veterinary & Animal Sciences, Akola	05	12
College of Dairy Technology, Warud	0	01
Dairy Technology College, Udgir	01	05
College of Fishery Sciences, Nagpur	0	02
Total	49	75

9.A.1. Short Term Training Courses for Field Officers

9.A.1.a. Bombay Veterinary College, Mumbai

Sr.No.	Title	Date	No. of Trainees
1.	Technical refresher course for Livestock Development Officers (LDOs) and Assistant Commissioners of Animal Husbandry (ACAH), Govt. of Maharashtra (Under RKVY)	31.08.2015 to 04.09.2015	29
		07.09.2015 to 11.09.2015	30
		26.10.2015 to 30.10.2015	32
		02.11.2015 to 06.11.2015	30
		06.11.2015 to 20.11.2015	11
		23.11.2015 to 27.11.2015	23
		07.12.2015 to 11.12.2015	29
		14.12.2015 to 18.12.2015	23
2.	Small animal laparoscopy	10.09.2015 to 14.09.2015	10
3.	Hygienic chicken meat production	19.10.2015 to 21.10.2015	17
4.	Hands on training on clinical pathology for pet practitioners (In association with Pet Practitioners Association, Mumbai)	03.10.2015	30
5.	Laparoscopic applications in diagnosis & research	21.11.2015	21



6.	Workshop and hands on training on spine surgery	17.12.2015	45
7.	Reproductive health management through Assisted Reproductive Technology (ART)	31.08.2015 to 04.09.2015	29
		07.09.2015 to 11.09.2015	30
		26.10.2015 to 30.10.2015	32
		02.11.2015 to 06.11.2015	30
		06.11.2015 to 20.11.2015	11
		23.11.2015 to 27.11.2015	23
		07.12.2015 to 11.12.2015	29
		14.12.2015 to 18.12.2015	23
8.	Technical refreshers course for LDOs and ACAH of Animal Husbandry Department, M.S. (Under State Training Policy)	18.01.2016 to 22.01.2016	23
		01.02.2016 to 05.02.2016	23
		22.02.2016 to 26.02.2016	21
9.	Application of Nuclear Medicine and novel drug delivery system	21.01.2016 04.02.2016 25.02.2016	25
10.	Metabolic disorders of livestock and poultry, their diagnosis and control	18.02.2016 02.02.2016 23.02.2016	25
11.	Mastitis and its treatment	19.02.2016 01.02.2016 22.02.2016	25
Total			679



Demonstration of ultrasonography at BVC, Mumbai



Training on Laparoscopic Applications in Diagnosis at BVC, Mumbai

9.A.1.b. Nagpur Veterinary College, Nagpur

Sr.No.	Title	Date	No. of Trainees
1.	Workshop on rescue and treatment of wild animals	07.11.2015 to 08.11.2015	120
2.	Technical refresher training programme for LDO's and ACAH under State Training Policy	10.01.2016 to 15.01.2016	26
		01.02.2016 to 05.02.2016	21
		22.02.2016 to 26.02.2016	28
		18.03.2016	330
Total			525



Prof. A.K. Mishra, Hon'ble Vice-Chancellor delivering lecture at NVC, Nagpur



9.A.1.c. College of Veterinary and Animal Sciences, Parbhani

Sr.No.	Title	Date	No. of Trainees
1.	Technical refresher training programme LDOs & ACAH of Department of Animal Husbandry, Maharashtra State	22.02.2016 to 26.02.2016	19
		29.02.2016 to 04.03.2016	25
		14.03.2016 to 18.03.2016	25
Total			69



Demonstration on Khoa Preparation at COVAS Parbhani

9.A.1.d. KNP College of Veterinary Science, Shirwal

Sr.No.	Title	Date	No. of Trainees
1.	Orientation Programme for budding vets	21.01.2016	60
2.	Technical refresher training programme LDOs & ACAH of Department of Animal Husbandry, Maharashtra State	08.02.2016 to 12.02.2016	20
		16.02.2016 to 20.02.2016	20
		22.02.2016 to 26.02.2016	17
3.	Equine lameness & dental care	21.02.2016 to 23.02.2016	45
Total			162



Hands on training to LDOs at KNP COVS, Shirwal



9.A.1.e. College of Veterinary and Animal Sciences, Udgir

Sr.No.	Title	Date	No. of Trainees
1.	Model training course on quality control and value addition of milk and milk products sponsored by Directorate of Extension, Ministry of Agriculture and Cooperation, Govt. of India, New Delhi	23.11.2015 to 30.11.2015	20
2.	Technical refresher course for LDO and ACAH	18.01.2016 to 22.01.2016	23
		01.02.2016 to 05.02.2016	21
		29.02.2016 to 04.03.2016	25
Total			89



Technical Refresher Trainings for LDOs and ACAH



Demonstration of C-arm and X-ray at COVAS, Udgir

9.A.1.f. Post Graduate Institute of Veterinary Sciences, Akola

Sr.No.	Title	Date	No. of Trainees
1.	Technical refresher trainings for LDOs and ACAH	08.02.2016 to 12.02.2016	21
		16.02.2016 to 20.02.2016	25
		22.02.2016 to 26.02.2016	25
2.	Common poisoning in livestock and its management	06.08.2015	56
3.	Common poisoning in livestock and its management	07.08.2015	58
Total			185



Technical Refresher Trainings for LDOs and ACAH



9.A.1.g. Dairy Technology College, Udgir

Sr.No.	Title	Date	No. of Trainees
1.	Personality development	15.03.2016	125
Total			125



Experts guiding the students

9.A.2. Short Term Training Courses organized for farmers

9.A.2.a. Bombay Veterinary College, Mumbai

Sr.No.	Title	Date	No. of Trainees
1.	One day workshop on breeding and feeding of animals.	10.04.2015	13
2.	One day workshop on Azolla cultivation	15.04.2015	10
3.	Scientific goat farming	15.06.2015 to 17.06.2015	23
4.	One day workshop on feeding practices for cattle and goat.	17.06.2015	26
5.	Scientific goat farming	08.09.2015 to 10.09.2015	32
6.	One day workshop on Good managemental practices at Farm	14.09.2015	18
7.	One day workshop on feeding practices for cattle and goat.	09.10.2015	14
8.	One day workshop on Scientific Management of dairy farm with special reference to new fodder preservation and production Technologies at Farm,	13.10.2015	14
9.	Hygienic chicken meat production	03.11.2015	22
10.	Hygienic chicken meat production	04.11.2015	23
11.	Clean milk production	03.12.2015	15
12.	Scientific dairy farming	17.12.2015 to 19.12.2015	11
13.	Scientific goat farming	21.12.2015 to 23.12.2015	66
14.	Commercial poultry farming	11.01.2016 to 16.01.2016	40
15.	Workshop on Good managemental practices at Farm	03.02.2016	16
16.	Workshop on Good managemental practices at Farm for Dairy Diploma students	11.02.2016 & 16.02.2016	21



17.	Scientific goat farming	23.02.2016 to 25.02.2016	57
18.	Hygienic chicken meat production	01.03. 2016	40
Total			461



Expert guiding the trainees in Scientific Goat Farming at BVC, Mumbai



Experts from BVC, Mumbai demonstrating Hygienic Chicken Meat Production

9.A.2.b. Nagpur Veterinary College, Nagpur

Sr.No.	Title	Date	No. of Trainees
1.	Milk processing and value addition	22.02.2016 to 24.02.2016	9
2.	Scientific animal husbandry practices for profitable and sustainable milk production	11.03.2016 to 18.03.2016	22
3.	Scientific dairy farming	08.06.2015 to 12.06.2015	23
4.	Broiler poultry farming	16.06.2015 to 20.06.2015	43
5.	Scientific goat farming	22.06.2015 to 26.06.2015	44
6.	Scientific dairy farming	29.09. 2015 to 03.10.2015	78
7.	Scientific goat farming	05.10.2016 to 09.10.2015	30
8.	Scientific dairy farming	08.06.2015 to 12.06.2015	21
9.	Scientific dairy farming	13.10. 2015 to 17.10.2015	26
10.	Scientific goat farming	01.12.2015 to 05.12.2015	58
11.	Scientific goat farming	06.01.2016 to 08.01.2016	20
12.	Scientific dairy farming	18.01.2016 to 22.01.2016	20
13.	Scientific dairy farming	27.01.2016 to 31.01.2016	21
14.	Scientific goat farming	15.02.2016 to 19.02.2016	111
15.	Scientific goat farming	29.02. 2016 to 04.03.2016	52
16.	Scientific goat farming	15.03.2016 to 19.03.2016	23



17.	Scientific goat farming	25.03.2016 to 30.03.2016	111
		Total	712



Prof. A.K. Mishra, Hon'ble Vice-Chancellor addressing participants at NVC, Nagpur



Farmers visit to Goat Farm at Nagpur

9.A.2.c. College of Veterinary and Animal Sciences, Parbhani

Sr.No.	Title	Date	No. of Trainees
1.	Commercial poultry farming	24.08.2015 to 29.08.2015	26
2.	Modern goat farming	29.09.2015 to 01.10.2015	49
3.	Training on clean milk production at Dampuri, Dist. Parbhani	03.12.2016	55
4.	Commercial poultry farming	15.03.2016 to 20.03.2016	30
5.	Training on management of male weaner goat	17.03.2016 to 22.03.2016	42
6.	Veterinary and Animal Husbandry Extension Education	17.03.2016 to 22.03.2016	30
		Total	232



Field visit during training at COVAS, Parbhani

9.A.2.d. KNP College of Veterinary Sciences, Shirwal

Sr.No.	Title	Date	No. of Trainees
1.	Turkey farming	15.04.2015 to 17.04.2015	24



2.	Modern goat farming	25.11.2015 to 27.11.2015	13
3.	Modern goat farming	02.12.2015 to 04.12.2015	36
4.	Modern goat farming	29.12.2015 to 31.12.2015	26
5.	Modern goat farming	05.01.2016 to 07.01.2016	73
6.	Modern dairy farming	07.01.2016 to 09.01.2016	36
7.	Fodder management for dairy animals & goat farming	02.02.2016 to 04.02.2016	07
8.	Modern goat farming	05.02.2016 to 07.02.2016	104
9.	Milk & milk products processing	29.02.2016	09
10.	Milk and milk product processing	03.03.2016 to 05.03.2016	35
11.	Modern goat farming	21.03.2016 to 23.03.2016	43
		Total	406



Milk & milk products processing training at KNPCOVs, Shirwal



Visit of women of self help group to turkey farm at KNPCOVs, Shirwal

9.A.2.e. College of Veterinary and Animal Sciences, Udgir

Sr.No.	Title	Date	No. of Trainees
1.	Healthy meat production	03.11. 2015	25
2.	Profitable goat farming	05.11.2015 to 06.11.2015	25
3.	Animal management in draught condition	09.03.2016	110
		Total	160



Expert addressing the farmers at COVAS, Udgir



Expert in conversation with participants at COVAS, Udgir

9.A.2.f. Post Graduate Institute of Veterinary and Animal Sciences, Akola

Sr.No.	Title	Date	No. of Trainees
1.	Silage making	08.06.2015 to 12.06.2015	30
2.	One day intra State training of goat farmers of Akola & Amravati Dist at Goregaon, BVC Mumbai	14.09.2015	19
3.	Animal health management and first aid	07.12.2015 to 12.12.2015	20
4.	Prevention, control and treatment of foreign body syndrome in ruminants	25.01.2016	57
5.	Commercial goat rearing and management	28.01.2016	40
6.	Commercial goat rearing	29.01.2016 to 04.02.2016	19
7.	Commercial goat rearing and management	02.02.2016	36
8.	Backyard poultry keeping	13.02.2016 to 14.02.2016	47
9.	Goat rearing- profit making business	23.02.2016	57
10.	Commercial poultry farming	08.03.2016 to 12.03.2016	29
11.	Commercial poultry farming	14.03.2016 to 18.03.2016	29
12.	Injuries and treatment in animals	30.03.2016	40
Total			423



Release of Marathi Booklet on Foreign body syndrome at PGIVAS, Akola



Expert guiding farmers in profitable goat farming training programme at PGIVAS, Akola



9.A.2.g. Dairy Technology College, Warud

Sr.No.	Title	Date	No. of Trainees
1.	Upliftment of dairy farmers - milk processing	14.12.2016 to 16.12.2016	14
		Total	14



Demonstration on milk processing

9.A.2.h. College of Dairy Technology, Udgir

Sr.No.	Title	Date	No. of Trainees
1.	Preparation of ice - cream & frozen dessert	01.06.2015	09
2.	Paneer & curd manufacturing technology	26.11.2015	31
3.	Clean milk production & khoa manufacturing technology	03.12.2016	55
4.	Manufacturing of fermented milk products	29.12.2015	30
5.	Orientation to milk pasteurizer & Paneer Manufacturing Technology	30.01.2016	42
		Total	167



Demonstrations on manufacturing of traditional dairy products



9.A.2.i. College of Fishery Science, Nagpur

Sr.No.	Title	Date	No. of Trainees
1.	Freshwater fish farming	28.12.2015 to 01.01.2016	16
2.	Intensive fish culture in ponds and tanks	15.03.2016 to 19.03.2016	29
		Total	45



Organization of training on Freshwater fish culture in ponds and tanks



Training programme on freshwater fish farming

9.B. ACTIVITIES IN ADOPTED VILLAGES

9.B.1. Bombay Veterinary College, Mumbai

Vaccination & Animal Treatment Camp was conducted in adopted village Lalthane of Palghar Block. Farmers were guided on different topics of animal health and management by college staff. Similar activity was also conducted in another adopted village Arivali of Panvel Block.

9.B.2. Nagpur Veterinary College, Nagpur:

The college has adopted village Borgaon (Khurd) Dist. Nagpur. Each working Friday college staff along with UG/PG student visits the village through out the year. During the visit, scientific knowledge to the livestock farmers, field test for mastitis, antibiotic sensitivity test were demonstrated to farmers. Gynaecologist visited regularly under Ambulatory services to help and to sort out the problems faced by the local livestock owners & farmers regarding reproduction in animals and their management. Organization of various activities like one day training programme, mass vaccination camp, mass deworming camp, group discussion with livestock owners for health care management, shed management, demonstrations of silage making, Azolla cultivation, urea molasses treatment at farmers doorstep is done regularly in collaboration with LDOs & ALDOs of State Department of Animal Husbandry, Nagpur.

9.B.3. College of Veterinary and Animal Sciences, Parbhani

College has adopted one village i.e. Rumna Tal Gangakhed Dist. Parbhani. Initially baseline survey is conducted along with organization of health camp. Various activities like vaccination, deworming, group discussions and various technologies like Azolla production, urea treatment, silage preparation etc. along with technical guidance on animal husbandry practices.



9.B.4. KNP College of Veterinary Science, Shirwal

College has adopted two villages i.e. Village Jawale, Tal: Khandala, Dist. Satara and Bhongawali, Tal: Bhor, Dist: Pune. Weekly visit to village Jawale is on Wednesday and to village Bhongawali is on Thursday. Ambulatory clinical services are regularly provided to the adopted villages and other three villages namely Hatnoshi, Tal: Bhor, Dist: Pune, Shekhmirewadi, Tal: Khandala, Dist: Satara and Bholi, Tal: Khandala, Dist: Satara. Activities carried out at adopted villages during 2015-16 are Guidance through technical lectures, animal health camps, ambulatory clinical services once in a week, deworming and ecto-parasite eradication camp, screening of animals for subclinical mastitis, study tour of farmers to KNP College of Veterinary Science, Shirwal, mahila melawa, group discussions and technical advocacy to farmers of the adopted villages.

9.B.5. College of Veterinary and Animal Sciences, Udgir

Two villages are adopted by the college viz Kodali and Dongershelki. The staff, PG students and final year students regularly visits the villages. Villages are given the demonstrations on clean milk production, urea treatment, silage making. Technical guidance on animal husbandry, dairying, poultry and fisheries practices was given to farmers. Animal treatment camps/H.S. and B.Q.vaccination camps are regularly arranged. Farmers were guided on Fodder development programme.

9.B.6. College of Dairy Technology, Warud

College has adopted village Moha, Tal.Pusad, Distt. Yavatmal. Lectures, demonstrations, discussion, cleanliness drive, yoga, exercises, cultural programmes etc organized jointly with NSS Scheme at adopted village Moha during 29th February to 06th March, 2016 at Jayaji Maharaj Sansthan, Moha (I) in collaboration with Primary Health Centre and Zilla Parishad Primary School, Moha. Demonstrations on milk preservation, milk by products preparation etc were given to farmers.

9.B.7. College of Fishery Science, Nagpur

College of Fishery Science, Nagpur has adopted village Pethkaldongari nearly 25 kms away from Nagpur under "Munijan" scheme. The college is regularly disseminating information about aquaculture and agriculture allied activities viz. animal husbandry, dairying integrated fish farming to the villagers of adopted village, Pethkaldongari.

9.B.8. College of Fishery Science, Udgir

College of Fishery Science, Udgir has adopted Village: Nawandi, Tal : Udgir, Dist : Latur for development of Fisheries activities through technical guidance during 2015-16. Nawandi village is located in hilly area with much used agriculture land. There are approximately thirty numbers of agricultural water holding tanks present in the village. Hence, College of Fishery Science, Udgir has adopted this village in view to develop fish culture in these agriculture tanks. College faculties have motivated the farmers of Navandi village to start fish culture in these agriculture tanks. Successful demonstration of fish farming in adopted village have also given encouragement for other farmers to use their agriculture tanks for fish culture in Nawandi village as well as other nearby villages.

9. C. Hospital activities

Animal Health Camps, Cases Treated in Ambulatory Clinic & Hospital :

9.C.1. Bombay Veterinary College, Mumbai

Sr. No.	Section	No. of cases treated			
		Hospital	Animal Health Camps	Ambulatory Clinic	Total
a	Medicine	15,591	16195	--	36,307
b	Surgery		3543	--	
c	Gynaecology		396	582	
d	Artificial Insemination	58	--	--	58



e	Vaccination (H.S., BQ, FMD, Anti Rabies, etc)	Anti Rabies	--	300	200	--
		DHLPPi	--	160	--	--
		Corona	--	100	--	--
f	Other (Specify)	1. Pharmacy services to Private practitioners & pet owners			180	
		2. Services of Consultation (Medical and Oncology), Surgical and Gynaecology			1132	
	Total	15,649	20,694	782	37,677	

9.C.2. NVC, NAGPUR

Sr. No.	Section	No. of cases treated			
		Hospital	Animal Health Camps	Ambulatory Clinic	Total
a	Medicine	20536	1921	655	23112
b	Surgery	2416	---	---	---
c	Gynaecology	1209	---	---	---
d	Artificial Insemination	---	---	---	---
e	Vaccination (H.S., BQ, FMD, Anti Rabies,)	---	Anti-rabies-83 FMD-987	---	1070
f	Deworming	--	206	---	206
g	Spraying	--	395	---	395
h	Other (Specify)	--	---	---	---
	Total	24161	3592	655	24783

9.C.3. COVAS, PARBHANI

Sr. No.	Section	No. of cases treated			
		Hospital	Animal Health Camps	Ambulatory Clinic	Total
a	Medicine	3826		146	3972
b	Surgery	2069		61	2130
c	Gynaecology	506		33	539
d	Artificial Insemination	-	-	--	-
e	Vaccination (.H.S, BQ, FMD, Anti Rabies, etc)	-	-	-	-
f	Deworming		87		87
g	Spraying		87		
h	Other (Specify)	-	-	-	-
	Total	6401	174	240	6815



9.C.4. KNP COVS, SHIRWAL

Sr. No.	Section	No of cases treated			
		Hospital	Animal Health Camps	Ambulatory Clinic	Total
a	Medicine	1752	137	168	2057
b	Surgery	899	44	35	978
c	Gynaecology	598	260	69	927
d	Artificial Insemination	309	-	-	309
e	Vaccination (H.S, BQ, FMD, Anti Rabies, etc)	H.S	-	97	149
		BQ	-	56	100
		FMD	-	855	600
		Anti Rabies	95	-	95
f	Deworming	2100	262	800	3162
g	Spraying	2000	305	95	2400
h	Other (Specify)	-	-	-	-
	Total	7753	2016	1919	11688

9.C.5. COVAS, UDGIR

Sr. No.	Section	No of cases treated				
		Hospital	Farm clinics	Animal Health Camps	Ambulatory Clinic	Total
a	Medicine	4401	69	390	559	5419
b	Surgery	1249	31	116	167	1563
c	Gynaecology	471	36	547	174	1228
d	Artificial Insemination	78	--	--	--	78
e	Vaccination (H.S., BQ, FMD, Anti Rabies,)	90 Anti Rabies	HS-100 BQ-84 FMD-100	FMD-194	HS-652 BQ-412 FMD-548	2180
f	Deworming	--	284	917	485	1686
g	Spraying	-	--	1413	133	1546
h	Other (Distribution of mineral mix/ mineralized salt licks	-	--	-	-	-
	Total	6289	704	3577	3130	13700

9.C.6. PGIVAS, AKOLA

Sr. No.	Section	No of cases treated			
		Hospital	Animal Health Camps	Ambulatory Clinic	Total
a	Medicine	2666	257	106	3029
b	Surgery	1280	18	09	1307
c	Gynaecology	460	44	08	512
d	Artificial Insemination	-	-	-	-
e	Vaccination (H.S., BQ, FMD, Anti Rabies etc.)	Anti-rabies etc- 134	-	HS-225 BQ-225 FMD 210	794



f	Deworming	49	546	-	595
g	Spraying	12	-	-	12
h	Other (Specify)	-	-	-	-
	Total	4601	865	783	6249

10

FARM ACTIVITIES

10.A. Bombay Veterinary College, Mumbai

10.A.1	Murrah Buffalo Research, Demonstration and Training Center (Instructional Livestock Farm Complex) Instructional Livestock Farm Complex, Goregaon									
	Year of establishment : 1975									
	Mandate : 1. Conservation of Murrah buffalo breed 2. Genetic improvement through appropriate breeding method, including biotechnological innovations. 3. Research to improve productivity of these animals by developing site specific technology									
	Total land : 35 Acre									
	Land under cultivation : 16 acre									
	Grazing land : Nil									
	Land under any other purpose : 1) 5 acre livestock unit 2) 20 acre fodder farm, 3) 2 acre poultry unit and 8 acre Nalla									
	Livestock strength on 31 st March 2016									
	Sr. No.	Cattle	Buffalo	Sheep	Goat	Poultry	Horse	Fish	Pig	
		1.	25	32	42	96	772 layer	Nil	Nil	Nil



Receipt from farm in Rs.		
	Sale of milk	8,27,623/-
	Goat & dairy training	4,45,000/-
	Sale of fodder stumps/seed	3,000/-
	Sale of animal/s (Sheep & Goat)	13,495/-
	Sale of eggs	7,18,980/-
	Poultry trainings	1,00,000/-
	Any other item bakri eid, feed donation, sale of coconut etc.	35,250/-
	Total	21,43,348/-

10.A.2 Cattle Breeding Farm & Dangi Cow Research Station, Igatpuri, Dist. Nashik										
Year of establishment	: 1946									
Mandate	: To Study the Dangi Breed & Defined its characters									
Total land	: 88.60 Hector									
Land under cultivation	: Farm- 48.42 22 Hector Land / Irrigated 10 Hector Land									
Grazing land	: Kaltembhi Farm-40.18									
Land under any other purpose	: Uncultivated – 24.92 Ha. Building area – 1.5 Ha.									
Livestock strength on 31 st March 2016										
	Sr. No.	Cattle	Buffalo	Sheep	Goat	Poultry	Horse	Fish	Pig	
	1.	94	-	-	-	-	-	-	-	
Receipt from farm in Rs.										
	Sale of milk:					55,834/-				

10.B. Nagpur Veterinary College, Nagpur.

10.B.1 Cattle Breeding Farm, NVC, Nagpur	
Year of establishment	: 1890
Mandate	: 1. Performance studies of indigenous germ plasm i.e. Gaolao cattle, Nagpuri buffalo. 2. Demonstration centre for dairy farming and fodder production / conservation. 3. To provide educational facilities for UG and PG Degree program
Total land	: 20.26 Hector



	Land under cultivation		: 8.55 Ha.								
	Grazing land		: 5.15 Ha.								
	Land under any other purpose		: 2.35 Hector and barren land: 4.21 Ho.								
Livestock strength on 31 st March 2016											
	Sr. No.	Cattle	Buffalo	Sheep	Goat	Poultry	Horse	Fish	Pig		
	1.	52	45	5	40	--	--	--	--		
Receipt from farm in Rs.											
	1	Sale of Cow Milk			7,25,152/-						
	2	Sale of Buffalo Milk			5,89,792/-						
	3	Sale of Farm produce			3,904/-						
	4	FYM			1,060/-						
	5	Other			4,694/-						
	6	Animal Auction			2,46,089/-						
	7	Renewal of new coupon			3,291/-						
	8	Receipt from LPT			62,004/-						
	9	Sheep & Goat sale			99,687/-						
					Total	17,35,673/-					

10.B.2	Poultry Research & Training Centre, Nagpur								
Year of establishment	: 1971								
Mandate	: Education, Research, Extension								
Livestock strength on 31 st March 2016 : 1342 birds									
Receipt in Rs.	: 2,02,088/-								

10.C. College of Veterinary & Animal Sciences, Parbhani

10.C.1	Red Kandhari Research & Instructional Farm, Parbhani								
Year of establishment	: 1972								
Mandate	: Preservation of pure germ plasm of Red Kandhari Cattle breed								
Total land	: 120 acre								
Land under cultivation	: 101 acre								
Grazing land	: 10 acre								
Land under any other purpose	: 5 acre, Land under nala								
Livestock strength on 31 st March 2016									
	Sr. No.	Cattle	Buffalo	Sheep	Goat	Poultry	Horse	Fish	Pig
	1.	79	33	33	63	660 quails	1	--	--



	<p>Receipt from each farm</p> <p>Sale of Milk 2,90,500/- Stumps – 10,400/- Auction of animals -8,49,075/- Others-3,400/- Total Receipts (Farm) : Rs. 11,53,375</p>
	<p>Broiler sale : 2,23,627/- Sale of quail birds – 1,16,350/- Training – 1,76,000/- Agency research projects – 1,25,000/- Total Receipts (Poultry): Rs. 6,40,977</p>

10.D. College of Veterinary & Animal Sciences, Udgir

10.D.1	Cattle Breeding Farm (ILFC), Udgir									
	Year of establishment : 1952									
	Mandate : 1. Conservation of Deoni animals. 2. Conservation of Osmanabadi goat 3. Fodder production									
	Total land : Udgir farm – 236.06 Ha. Sunegaon farm – 93.23 Ha.									
	Land under cultivation : Udgir farm – 39.00 Ha. Sunegaon farm – 8.00 Ha.									
	Grazing land : Udgir farm – 78.00 Ha. Sunegaon farm – 55.00 Ha.									
	Land under any other purpose : Barren Land Udgir farm – 111.06 Ha. Sunegaon farm – 26.23 Ha.									
	Livestock strength on 31st March 2016 :									
		Sr. No.	Cattle	Buffalo	Sheep	Goat	Poultry	Horse	Fish	Pig
		1.	36	20	44	22	---	---	--	--



Receipt from each farm					
Sr. No.	Receipt source		2015-16(Rs)		
1	Sale of Cow Milk		1,32,415.5/-		
2	Sale of Buffalo Milk		3,41,640/-		
3	Sale of Grass		38,000/- 33400/- 1900 /-		
4	Other		1,09,161 /- 1600 /- 2500/-		
5	Animal Auction		82,400/-		
6	Sheep & Goat sale		1, 01,382 /-		
Total			8,44,398/-		

Sr.No.	Name of Unit	No. of birds reared	Poultry produce sold	Receipt generated (Rs.)
1.	Broiler	1500	Broiler	151466
2.	Layer	200	Cockrel	1040
			Culled bird	480
			Egg	36623
				38143
3.	Quail unit	500		20700
Total				210309

10.E. KNP College of Veterinary Science, Shirwal

10.E.1	Khillar Cattle, Pandharpuri Buffalo and Sangamneri Goat, Livestock Research Demonstration and Training Center, KNP College of Veterinary Science, Shirwal	
	Year of establishment	: 1992
	Mandate	: Conservation and improvement of Khillar Cattle, Pandharpuri Buffalo and Sangamneri Goat
	Total land	: 19.35 hecter
	Land under cultivation	: 14.42 hecter
	Grazing land	: -
	Land under any other purpose	: 1.44 hectors (Building)



Livestock strength on 31 st March 2016									
Sr. No.	Cattle	Buffalo	Sheep	Goat	Poultry	Horse	Fish	Pig	
1.	31	41	35	20	325	-	-	3 Female +1Male + 07 Piglets	
Receipt from each farm in Rs.									
Sr. No	Particulars						Receipt (Rs)		
1.	Sale of FYM						48,000		
2.	Sale of Livestock						3,78,000		
							Total	4,26,000/-	

10.G. College of Dairy Technology, Warud

10.H. College of Dairy Technology, Udgir

10.I. College of Fishery Science, Nagpur

Fish Seed Production Centre & Fish Farm, COFS, Nagpur		
Year of establishment	:	2008-2009
Mandate	:	Breeding of fishes
Total land	:	2.04 Ha
Land under cultivation	:	0.70 Ha water spread area
Land under any other purpose	:	Laboratory & Museum
Livestock strength on 31 st March 2016 : 500Kg Brood stock of fish		
Receipt from farm in Rs. : 65,000/-		

10.J. College of Fishery Science, Udgir

Educational Fish Farm		
Year of establishment	:	2010-11
Mandate	:	Teaching, Research and Extension
Total land	:	0.5 ha Pond area & Approx. 25 ha reservoir area
Land under cultivation	:	0.15 ha
Livestock strength on 31 st March 2016 : 918 Brood Fishes		
Receipt from farm in Rs. : 25,140/-		



11

ANIMAL HEALTH CAMPS ORGANIZED

11.A. Bombay Veterinary College, Mumbai

Sr. No.	Place	Date	Organized in collaboration with (Name of Agency)	Total No. of cases treated
1	Chalani Tal.Dahanu	06.09.2015	NSS	10 cases of infertility
2	Bombay Veterinary College	28.09.2015	Department of Medicine "World Rabies Day celebration" free Vaccination camp for pet animals	30
3	Waduj Dist. Satara	10.10.2015	Department of Animal Husbandry and Department of Surgery and Radiology, Bombay Veterinary College	151 (Anti rabies Vaccination:80 Spaying: 27 Castration:24 Patellar Desmotomy: 06 Health Check up & Treatment: 14)
4	Matheran, Dist Pune	27.10.2015	Department of Animal Husbandry and Department of Surgery and Radiology, Bombay Veterinary College	46 (20 cases of lameness and 20 geldings)
5	Lucky Hotel, Bandra, Malad, Jogeshwari	19.09.2015 to 25.09.2015	NSS	253 goats



6	OPD, Bombay Veterinary College, Parel & Goregaon	28.09.2015	Dept of Vet. Medicine & Microbiology NSS	200 Rabies vaccination
7	Different villages in Dahanu taluka; Waghadi, Sonale, Bandghar, Saiwan, Malwada and Sarni	01.10.2015 to 09.10.2015	NSS	26 cases of infertility
8	Bethegaon	07.01.2016	Bombay Gow rakshak Mandal	30 cases of infertility
9	Chirabazar, Thakurdwar, Malad, Mira road, Byculla & Borivali	14.01.2015 to 16.01.2016	NSS	163 birds
10	Arivali	27.01.2016	NSS	10 cases of infertility



N.S.S.volunteers vaccinating animals



Equine Gelding Camp at Matheran

11.B. Nagpur Veterinary College, Nagpur

Sr. No.	Place	Date	Organized in collaboration with (Name of Agency)	Total No. of cases treated
1	Vardhaman Nagar, Nagpur	11.04.2015	NVC and NMC	70
2	Chicholi, Tal. Katol, Dist. Nagpur	13.04.2015	State A.H. Department	620
3	Borgaon, Dablipur, Gondi & Susun Tal. Karanja, Dist. Wardha	14.06.2015	MSSRF and MAFSU	730
4	Pilkapar, Mohpa, Nagpur	24.07.2015	State A.H. Department	168
5	Village Gonhi and Adopted Village Borgaon (Khurd), Fetary, Tal. & Dist.- Nagpur	23.11.2015	Dept. of Vet. & A.H. Extension, NVC and State A.H. Department	233
6	Village Gonhi and Adopted Village Borgaon (Khurd), Fetary, Tal. & Dist.- Nagpur	27.11.2015	Dept. of Vet. & A.H. Extension, NVC and State A.H. Department	210



7	Pimpal Khuta, Ashram, Dhamangaon Railway, Amravati (Total – 07 Villages)	30.11.2015 to 06.12.2015	NSS and State A.H. Department	700
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FMD vaccination



Students deworming animals

11.C. College of Veterinary and Animal Sciences, Parbhani

Sr. No.	Place	Date	Organized in collaboration with (Name of Agency)	Total No. of cases treated
1.	Karam Tq Gangakhed	24.04.2015	COVAS, Parbhani	87
2.	Parbhani	23.09.2015	TVCC, Parbhani	40
3.	Rumna, Dist. Parbhani	08.09.2015	COVAS, Parbhani	120
4.	Sarola, Tq. Pathri, Dist: Parbhani	01.12.2015	COVAS, Parbhani	225
5.	Dampuri, Tq. & Dist. Parbhani	03.12.2015	COVAS, Parbhani	50
6.	Deolgaon, Tq. Selu, Dist. Parbhani	12.01.2016	COVAS, Parbhani	115
7.	Panera, Tq. & Dist. Parbhani	27.01.2016	COVAS, Parbhani	120
8.	Takalgavhan, Tq. & Dist. Parbhani	19.03.2016	COVAS, Parbhani	126
9.	Rumna, Dist. Parbhani	30.03.2016	COVAS, Parbhani	100



Animal treatment in camp



Anti Rabies Vaccination Camp



11.D. College of Veterinary and Animal Sciences, Udgir

Sr. No.	Place	Date	Organized in collaboration with (Name of Agency)	Total No. of cases treated
1.	Honnali, Tal. Udgir	18.09.2015	Z.P., Latur	310
2.	Tondar, Tal. Udgir	25.09.2015	Z.P., Latur	204
3.	TVCC, COVAS, Udgir	28.09.2015	Brilliant Pharma, Hyderabad	90
4.	Belsangavi, Tal. Jalkot	02.10.2015	Z.P., Latur	320
5.	Deoni Khurd, Tal. Deoni	09.10.2015	Z.P., Latur	280
6.	Dhanegaon, Tal. Deoni	16.10.2015	Z.P., Latur	201
7.	Lasona, Tal. Deoni	23.10.2015	Z.P., Latur	294
8.	Kinni, Tal. Udgir	30.10.2015	Z.P., Latur	215
9.	Kherda, Tal. Udgir	06.11.2015	Z.P., Latur	210
10.	Belsakarga, Tal. Udgir	27.11.2015	Z.P., Latur	235
11.	Dhondhipparga, Tal. Udgir	04.12.2015	Z.P., Latur	110
12.	Ambi, Tal. Bhoom, Osmanabad	09.12.2015	Z.P., Osmanabad	102
13.	Kaudgaon, Tal. Paranda, Osmanabad	10.12.2015	Z.P., Osmanabad	116
14.	Ieet, Tal. Bhoom Osmanabad	10.12.2015	Z.P., Osmanabad	55
15.	Sindhaphal, Tal. Tujapur, Osmanabad	11.12.2015	Z.P., Osmanabad	115
16.	Wanewadi, Tal & Dist. Osmanabad	03.01.2016	Z.P., Osmanabad	32
17.	Kumatha Budruk, Tal. Udgir	22.01.2016	Maharashtra Udyagiri College, Udgir	154
18.	Wadhwana (Kh), Tal. Deoni	05.03.2016	College of Dairy Technology, Udgir	153
19.	Pandurni, Tal. Mukhed, Dist. Nanded	11.03.2016	Z.P., Nanded	124
20.	Umarga manna, Tal. Udgir	19.03.2016	College of Fishery Sciences, Udgir	198
21.	Kodali, Tal. Udgir	22.03.2016	Veterinary Dispensary, Kasral	177
22.	Dongarshelki, Tal. Udgir	23.03.2016	Veterinary Dispensary, Dongarshelki	108



Dr. Prachee Taksande performing surgical intervention



Students examining the animal in the health camp

11.E. KNP College of Veterinary Sciences, Shirwal

Sr. No.	Place	Date	Organized in collaboration with (Name of Agency)	Total No. of cases treated
1	Mandki, Tal. Purandar, Dist.Pune	24.04.2015	Livestock Development Officer, Parinche	19
2	Mandki, Tal. Purandar, Dist.Pune	31.08.2015	Livestock Development Officer, Parinche	175
3	Laphtarwadi, Tal. Purandar, Dist. Pune	20.10.2015	Livestock Development Officer, Veterinary Dispensary, Parinche	119
4	Tondal, Tal. Khandala, Dist. Satara	03.11.2015	Livestock Development Officer, Veterinary Dispensary, Kikwi	118
5	Kikwi, Tal.Bhor, Dist.Pune	19.11.2015	Livestock Development Officer, Veterinary Dispensary, Kikwi	414
6	Kikwi, Tal.Bhor, Dist.Pune	26.11.2015	Livestock Development Officer, Veterinary Dispensary, Kikwi	300
7	Kikwi, Tal.Bhor, Dist.Pune	27.11.2015	Livestock Development Officer, Veterinary Dispensary, Kikwi	362



Animal health camp

11.F. Post Graduate Institute of Veterinary and Animal Sciences, Akola

Sr. No.	Place	Date	Organized in collaboration with (Name of Agency)	Total No. of cases treated
1.	Kurankhed Katepurna, Tal. Murtizapur Dist. Akola	11.08.2015	Dept. ARGO	46
2.	Gorakshan Sanstha Maispur Dist. Akola	19.08.2015	Dept. ARGO	73
3.	Free Antirabies Vaccination Camp for dogs at TVCC, PGIVAS, Akola	29.09.2015	TVCC, PGIVAS, Akola	86
4.	Animal Health and Infertility camp at Village Pohra Tal Dharni Dist Amravati	09.10.2015	ICAR TSP Project, Deptt. of Animal Nutrition	48
5.	Animal Health and Infertility camp at Village Jampani Tal Dharni Dist Amravati	10.10.2015	ICAR, TSP Project	18
6.	Animal Health and Infertility camp at Village Dabia Kheda Tal Dharni Dist Amravati	10.10.2015	ICAR, TSP Project	20
7.	Infertility and Health Camp, Kaulkhed Jahangir	31.10.2015	Deptt. ARGO	45
8.	Animal Health Camp at Nimbhari, Tq. Barshitakli	29.11.2015	RCF, Mumbai	172
9.	Dog Health Camp at Washim Road, Akola	25.02.2016	'Chhawa' Association, Akola	77
10.	Mass Deworming Camp for Sheep and Goat at Dagadparva Tq. Barshitakli	22.03.2016	ATMA, Akola	546



Treatment of Elephant at Shegaon Sansthan

12

DEMONSTRATIONS ORGANIZED FOR FARMERS

12.A. Bombay Veterinary College, Mumbai

Sr. No.	Place	Date	Name of demonstration	No. of farmers attended
1.	ILFC/LPM BVC, Goregaon, Mumbai	07.02.2015		17
2.	ILFC/LPM BVC, Goregaon, Mumbai	08.03.2015		11
3.	ILFC/LPM BVC, Goregaon, Mumbai	10.04.2015	On the occasion of one day workshop on Azolla cultivation and scientific management of practices at farm	13
4.	ILFC/LPM BVC, Goregaon, Mumbai	15.04.2015		10
5.	ILFC/LPM BVC, Goregaon, Mumbai	17.06.2015		26
6.	ILFC/LPM BVC, Goregaon, Mumbai	14.09.2015		18



7.	ILFC/LPM BVC, Goregaon, Mumbai	09.10.2015	On the occasion of one day workshop on Azolla cultivation and scientific management of practices at farm	14
8.	ILFC/LPM BVC, Goregaon , Mumbai	13.10.2015		14
9.	ILFC/LPM BVC, Goregaon, Mumbai	03.02.2016		16
10.	ILFC/LPM BVC, Goregaon, Mumbai	11.02.2016 to 16.02.2016		21
11.	ILFC, Goregaon	10.09.2015		64
12.	Department Of Veterinary Public Health under ICAR sponsored project AICRP PHET, Mumbai	16.03.2016		55

12.B. Nagpur Veterinary College, Nagpur

Sr. No.	Place	Date	Name of demonstration	No. of farmers attended
1	Borgaon	10/04/2015	CMT	02
2	Nagpur	18/08/2015	CMT	20
3	Nagpur	25/08/2015	CMT	20
4	Nagpur	29/03/2015	CMT	35
5	CBF, NVC, Nagpur	2015-16 During Training Programmes	14 Silage Making	430
6	VMC, NVC, Nagpur	2015-16 During Training Programmes	06CMT	120
7	CBF, NVC, Nagpur	2015-16 During Training Programmes organized by A.H. Extension	14 Urea Molasses Treatment & Azolla cultivation Demonstrations	430
8	VPH, NVC, Nagpur	2015-16 During Training Programmes	06 Milk Adulteration Tests	120



9	LPT, NVC, Nagpur	2015-16 During Training Programmes organized by A.H. Extension	06 Khoa & Paneer Preparation	120
10	CBF, Nagpur	2015-16 During Training Programmes organized by A.H. Extension	06 Vermicompost	120
11	LPT, NVC, Nagpur	2015-16 During Training Programmes	03 Meat Product Processing	166
12	Poultry science, NVC, Nagpur	15/06/2015	Value added poultry products	98
13	LPT, NVC, Nagpur	28/09/2015	Meat products from goat meat	48
14	LPT, NVC, Nagpur	03/10/2015	Clean meat production and processing	26
15	LPT, NVC, Nagpur	20/01/2016	Value added milk products	26
16	LPT, NVC, Nagpur	22/03/2016	Meat products from goat meat	48
17	VPH, NVC, Nagpur	20/01/2016	Milk Adultration Test	40
18	VPH, NVC, Nagpur	29/01/2016	Milk Adultration Test	40
19	LPT, NVC Nagpur	22/02/2016	Clean milk production	10



Demonstrations of application of ecto-parasiticide on animal body



12.C. College of Veterinary and Animal Sciences, Parbhani

Sr. No.	Place	Date	Name of demonstration	No. of farmers attended
1.	Tambewadi Tq Junner Dist Pune	31.05.2015	Tick Control in shed and Fly control in shed and at manure heap	50
2.	Alkuti Tq Parner Dist Ahmednagar	31.05.2015	Tick Control in shed and Fly control in shed and at manure heap	70
3.	Rumna Tq Gangakhed	08.09.2015	Tick control in cattle shed	50
4.	Rajura	27.09.2015	Tick Control in shed and Fly control in shed and at manure heap	50
5.	Kothala	27.09.2015	Tick Control in shed and Fly control in shed and at manure heap	50
6.	Varnanagar Dist Kolhapur	09.11.2015	Tick Control in shed and Fly control in shed and at manure heap	200 Farmers + Vets
7.	Chandanapuri Tq Sangamner	23.12.2015	Tick control in cattle shed	20
8.	Sawargav Tq Sangamner	23.12.2015	Tick control in cattle shed	40
9.	Zole Tq Sangamner	23.12.2015	Tick control in cattle shed	40
10.	Gunj Tq Pathri	01.03.2016	Tick control in cattle shed	30
11.	Swami Samarth Post; Dindori Nasik	25.01.2016	Pashu Ajar ani Vanaushadi,	2500
12.	Parli	22.03.2016	Visit to a Goat Farm	42
13.	Takalgavhan, Ta, Dist- Parbhani	19.03.2016	Medicinal plant processing technology	100

12.D. College of Veterinary and Animal Sciences, Udgir

Sr. No.	Place	Date	Name of demonstration	No. of farmers attended
1.	Honnali, Tal. Udgir	18.09.2015	Deworming Spraying and CMT	310
2.	Tondar, Tal. Udgir	25.09.2015	Deworming Spraying and CMT	204
3.	Belsangavi, Tal. Jalkot	02.10.2015	Deworming Spraying and CMT	320
4.	Deoni Khurd, Tal. Deoni	09.10.2015	Deworming Spraying and CMT	280
5.	Dhanegaon, Tal. Deoni	16.10.2015	Deworming Spraying and CMT	201
6.	Lasona, Tal. Deoni	23.10.2015	Deworming Spraying and CMT	294



7.	Kinni, Tal.Udgir	30.10.2015	Deworming Spraying and CMT	215
8.	Kherda, Tal. Udgir	06.11.2015	Deworming Spraying and CMT	210
9.	Belsakarga, Tal.Udgir	27.11.2015	Deworming Spraying and CMT	235
10.	Dhondihipparga, Tal. Udgir	04.12.2015	Deworming Spraying and CMT	110
11.	Ambi, Tal. Bhoom Osmanabad	09.12.2015	Deworming Spraying and CMT	102
12.	Sindhaphal, Tal.Tujapur Osmanabad	11.12.2015	Deworming Spraying and CMT	115
13.	Kumatha Budruk, Tal.Udgir	22.01.2016	Deworming Spraying and CMT	154
14.	Wadhavana (Kh), Tal. Deoni	05.03.2016	Deworming Spraying and CMT	153
15.	Pandurni, Tal. Mukhed, Dist.Nanded	11.03.2016	Deworming Spraying and CMT	124
16.	Umarga manna, Tal. Udgir	19.03.2016	Deworming Spraying and CMT	198
17.	Kodali, Tal.Udgir	22.03.2016	Deworming Spraying and CMT	177
18.	Dongarshelki, Tal.Udgir	23.03.2016	Deworming Spraying and CMT	108
19.	COVAS, Udgir	26.03.2016	Preparation of Chicken soup, packaging, storage & marketing	30

12.E. KNP College of Veterinary Sciences, Shirwal

Sr. No.	Place	Date	Name of demonstration	No. of farmers attended
1	KNPCOVS Shirwal	27.11.2015	Goat Farming Practices under Modern Goat Farming Training	13
2	KNPCOVS Shirwal	03.12.2015	Goat Farming Practices under Modern Goat Farming Training	36
3	KNPCOVS Shirwal	30.12.2015	Goat Farming Practices under Modern Goat Farming Training	26



4	KNPCOVS Shirwal	6.01.2016	Goat Farming Practices under Modern Goat Farming Training	73
5	KNPCOVS Shirwal	09.01.2016	Dairy farming practices under Modern Dairy Farming Training	36
6	KNPCOVS Shirwal	03.02.2016	Agricultural Farm, Dairy and goat farm practices under Fodder Management for Dairy Animals and Goat Farming Training	07
7	KNPCOVS Shirwal	06.02.2016	Goat Farming Practices under Modern Goat Farming Training	104
8	KNPCOVS Shirwal	29.02.2016	Milk & milk products processing	09
9	KNPCOVS Shirwal	04.03.2016	Milk & milk products processing	35
10	KNPCOVS Shirwal	22.03.2016	Goat Farming Practices under Modern Goat Farming Training	43

12.F. Post Graduate Institute of Veterinary and Animal Sciences, Akola

Sr. No.	Place	Date	Name of demonstration	No. of farmers attended
1	Deonar, Mumbai	15.09.2015	Selection of buck for meat production	19
2	Washim	28.11.2015	Cleaning of hooves in cattle	45
3	Nimbhari Tq. Barshitakli Distt. Akola	29.11.2015	Cleaning of Dharmala	172
4	TVCC, PGIVAS,	09.12.2015	Demonstration on Methods of Deworming in animals'	20
5	TVCC, PGIVAS,	10.12.2015	Demonstration on 'Spraying of Acaricide' in cattle to control ectoparasites	20
6	TVCC, PGIVAS,	10.12.2015	Demonstration on 'Drenching of Medicine/ drugs' in animals	20
7	ILFC, Dairy Farm, Dr. P.D.K.V., Akola	11.12.2015	Demonstration on Detection of Sub-clinical Mastitis by CMT in dairy cows	20
8	TVCC, PGIVAS,	12.12.2015	Demonstration on Care during Artificial Insemination	20
9	Yelwan	12.02.2016	Cleaning of Dharmala	73



Dharmala before cleaning



Dharmala after cleaning



12.G. College of Dairy Technology, Warud

Sr. No.	Place	Date	Name of demonstration	No. of farmers attended
1	Jawahar nagar Bhojala	16.03.2016	Preparation of milk products	35
2	Vanvarala	17.03.2016	Preparation of milk products	53
3	Kanha	18.03.2016	Preparation of milk products	43
4	Veni Bujruk	18.03.2016	Preparation of milk products	26
5	Pokhari	20.03.2016	Preparation of milk products	54
6	Chilwadi	20.03.2016	Preparation of milk products	23
7	Wakokdi	21.03.2016	Preparation of milk products	40
8	Warud	22.03.2016	Preparation of milk products	54
9	Kothari	23.03.2016	Preparation of milk products	47
10	Bijora	23.03.2016	Preparation of milk products	46
11	Manjarjavala	27.03.2016	Preparation of milk products	51
12	Belora	27.03.2016	Preparation of milk products	60
13	Akot	29.03.2016	Preparation of milk products	38
14	Malegaon	30.03.2016	Paneer preparation	23



Demonstration of Dairy Product preparation

12.H. Dairy Technology College, Udgir

Sr. No.	Place	Date	Name of demonstration	No. of farmers attended
1	Shivaji Nagar Tanda, Malhipperga, Dapaka, Bamani and Udgir.	11.12.2015	Demonstrations on manufacturing of traditional dairy products	38

12.I. College of Fishery Science, Nagpur

Sr. No.	Place	Date	Name of demonstration	No. of farmers attended
1	COFS, Nagpur	28.12.2015	Value added Fish Products	25



Value added Fish Products

12.J. College of Fishery Science, Udgir

Sr. No.	Place	Date	Name of demonstration	No. of farmers attended
1	Koshtagaon, Tq. Renapur, Dist. Latur	01.01.2016	Fish sampling	28



Demonstration of fish sampling

12.K. DET, MAFSU, Nagpur

Sr. No.	Place	Date	Name of demonstration	No. of farmers attended
1	Farmers Hostel in the Directorate of Extension and Training	10.02.2016 to 12.02.2016	Azolla Production	50
2	Farmers Hostel in the Directorate of Extension and Training	17.02.2016 to 19.02.2016	Azolla Production	50



Demonstration of Azolla production



13

VISIT OF FARMERS AND STAFF

Farmers regularly visited the various institutes of MAFSU individually and in groups to acquire the information and technical knowledge of various animal husbandry activities including that of value added animal products, poultry and fisheries. Staff members visited various places to guide the farmers, for trainings, for giving demonstrations at field level.

Sr. No.	College	No. of Farmers Visited to Institute	No. of Field Visit of Staff
1.	Bombay Veterinary College, Mumbai	481	15
2.	Nagpur Veterinary College, Nagpur	1979	38
3.	College of Veterinary & Animal Sciences, Parbhani	316	69
4.	KNP College of Veterinary Science, Shirwal	6903	50
5.	College of Veterinary & Animal Sciences, Udgir	46	133
6.	Post Graduate Institute of Veterinary & Animal Sciences, Akola	1207	147
7.	Dairy Technology College, Warud (Pusad)	5	10
8.	College of Dairy Technology, Udgir	230	25
9.	College of Fishery Science, Nagpur	666	61
10.	College of Fishery Science, Udgir	9	140
Total		11842	688



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EXHIBITIONS

Abstract of College wise exhibitions organized/participated

Sr.No.	Name of College	Participation in exhibitions
1	Nagpur Veterinary College, Nagpur	08
2	College of Veterinary & Animal Sciences, Parbhani	01
3	KNP College of Veterinary Science, Shirwal	06
4	College of Veterinary & Animal Sciences, Udgir	04
5	Post Graduate Institute of Veterinary & Animal Sciences, Akola	03
6	Dairy Technology College, Warud (Pusad)	01
7	College of Dairy Technology, Udgir	06
8	College of Fishery Science, Nagpur	04
9	College of Fishery Science, Udgir	05
	TOTAL	38



14.A. Nagpur Veterinary College, Nagpur

Sr.No.	Title	Place	Date
1	Dr. Babasaheb Ambedkar Vets Association, Nagpur Veterinary College, Nagpur organized Livestock Science Exhibition on the occasion of "Dhamachakra Pravartan Din".	Dikshabhoomi, Nagpur	21.10.2015 to 23.10.2015
2	Awareness campaign on Animal husbandry practices to farmers under "Shetkari Jagrukata Abhiyan"	Bothuli, Narayanpur, Dongargaon and Sunaka villages of Yeotmal distt.	29.10.2015
3	AGROVISION - 2015	Reshimbagh, Nagpur	11.12.2015 to 14.12.2015
4	One day workshop, on "Dairy Management" - Agrovision Nagpur	Tuli Imperial, Nagpur	14.12.2015
5	Taluka level Livestock Exhibition	Samudrapur, Dist Wardha	24.01.2016
6	State Level Livestock Exhibition	Chandrapur	31.01.2016 to 01.02.2016
7	Cattle Fair cum Exhibition	Wardha	26.03.2016



Prof. A. K. Misra , Hon'ble Vice-chancellor addressing to the gathering of staff and students at Dikshabhumi



MAFSU Stall at Agrovision

14.B. College of Veterinary & Animal Sciences, Parbhani

Sr. No.	Title	Place	Date
1.	Dog Exhibition	Malegaon, Dist-Latur	10.01.2016



14.C. KNP College of Veterinary Science, Shirwal

Sr. No.	Title	Place	Date
1.	Agri & Livestock Exhibition	Atpadi, Dist.Sangli	13.08.2015 to 15.08.2015
2.	Agrowon-2015	Hindustan antibiotics Ground, Pimpri, Pune	23.10.2015 to 27.10.2015
3.	KRISHAK 2015	KVK Baramati	06.11.2015 to 08.11.2015
4.	Yashwant Krishi & Audhyogik Pashupakshi Pradarshan	Karad, Dist.Satara	24.11.2015 to 28.11.2015
5.	Kisan-2015	Moshi, Pune	16.12.2015 to 20.12.2015
6.	Agri & Flower Exhibition	Bhuinj, Dist.Satara	23.01.2016 to 25.01.2016



Farmers visiting the stall



Experts giving information to visitors

14.D. College of Veterinary & Animal Sciences, Udgir

Sr. No.	Title	Place	Date
1.	Livestock Exhibition	Tal. Jalkot, Dist. Latur	25.12.2015
2.	Livestock Exhibition	Malegaon, Tq. Loha, Dist. Nanded	10.01.2016
3.	Livestock Exhibition	Tal. Udgir Dist. Latur	23.01.2016
4.	Maharashtra Agro Exhibition	Tal. Udgir Dist. Latur	06.02.2016 to 09.02.2016



Farmers visiting the stall



College staff while livestock judging



14.E. Post Graduate Institute of Veterinary & Animal Sciences, Akola

Sr. No.	Title	Place	Date
1	Agrotech - 2015	Dr. P.D.K.V.Akola	28.12.2015 to 29.12.2015
2	Krishi Bharti Exhibition-2016	Jalgaon Khandesh	08.01.2016 to 11.01.2016
3	Pashu mela Exhibition	Motala Dist. Buldhana	12.02.2016



Experts answering farmers queries



Expert briefing activities of MAFSU to Hon'ble Vice Chairman of MCAER, Dr. Ram Kharche

14.F. College of Dairy Technology, Warud (Pusad)

Sr.No.	Title	Place	Date
1	AGROVISION 2015	Nagpur	11.12.2015 to 14.12.2015



Hon'ble Vice-Chancellors visit to MAFSU stall in Agrovision

14.G. Dairy Technology College, Udgir

Sr.No.	Title	Place	Date
1	Dairy Exhibition	Kini (Y), Handerguli, Hali, Chimachiwadi,	04.10.2015
2	Dairy Exhibition	Somnathpur	03.11.2015
3	Malegaon Yatra Exhibition, Malegaon, Nanded	Malegaon, Nanded	10.01.2016



4	Maharashtra Agri Exhibition, Udgir	Zilla Parishad, Udgir	05.02.2016
5	Dairy Exhibition	Vadhavana (Khu.)	05.03.2016
6	Dairy & Fish Exhibition organized by COFS, Udgir	Manna Umarga, Udgir	17.03.2016



Stall exhibiting dairy products

14.H. College of Fishery Science, Nagpur

Sr. No.	Title	Place	Date
1.	Agriculture -Livestock Exhibition	Kalamb, Dist. Yawatmal	04.04.2015 to 05.04.2015
2.	Agricultural Technology Exhibition and Workshop	Dikshabhoomi, Nagpur	21.10.2015 to 23.10.2015
3.	“AgroVision 2015” and participation in workshop	Reshimbag, Nagpur	11.12.2015 to 14.12.2015
4.	Agri-Livestock exhibition	Savargaon,Tal: Narkhed, Dist. Nagpur	28.03.2016 to 29.03.2016



College stall in Exhibition at Kalamb



14.I. College of Fishery Science, Udgir

Sr. No.	Title	Place	Date
1	Agricultural Exhibition	Malegaon, Tq. Loha, Dist. Nanded	12.01.2016
2	Krishi va Pashu Mela	Zilla Parishad Ground Udgir, Dist. Latur	23.01.2016
3	Maharashtra Agriculture Exhibition	Zilla Parishad Ground, Udgir	06.02.2016 to 09.02.2016
4	Dairy & Fishery Exhibition	Vadhvana, Tq. Udgir, Dist. Latur	04.03.2016
5	Fishery & Dairy Exhibition	Umarga Manna	17.03.2016

15

PUBLICATIONS / RADIO & TV TALKS / PRACTICAL DEMONSTRATIONS

Extension Publications Abstract

Name of college	Leaflets/ Booklets	Books	Local Publication (Newspaper)	Publications (Periodicals)	Radio & T.V. Talks	Practical Demonstr- ations
Bombay Veterinary College, Mumbai	04	--	21	05	37	14
Nagpur Veterinary College, Nagpur	06	03	05	06	22	26
College of Veterinary & Animal Sciences, Parbhani	02	06	29	-	07	09
KNP College of Veterinary Science, Shirwal	08	01	21	18	76	101
College of Veterinary & Animal Sciences, Udgir	-	-	04	03	02	05
Post Graduate Institute of Veterinary & Animal Sciences, Akola	15	06	07	40	24	08



College of Veterinary & Animal Sciences, Udgir	-	-	04	03	02	05
Post Graduate Institute of Veterinary & Animal Sciences, Akola	15	06	07	40	24	08
Dairy Technology College, Warud (Pusad)	-	-	15	01	-	-
College of Dairy Technology, Udgir	02	-	04	-	02	03
College of Fishery Science, Nagpur	03	-	03	04	02	01
College of Fishery Science, Udgir	04	-	-	-	05	02

- Directorate of Extension and Training is regularly publishing official newsletter of the University, "MAFSU VARTA". The newsletter is quarterly published mentioning salient activities of MAFSU carried out through all the constituent colleges, farms, directorates, headquarter offices/divisions. Four publications were released viz. April-June 2015, July-September 2015, October-December 2015 & January-March 2016.

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WEB SITE

The MAFSU website is restructured to suit the need of all the stake holders including the farming community. Apart from all information related with the education, research and extension it has some unique features like extension literature in the form of posters, books and manuals for the farmers on various issues from animal husbandry including poultry, dairy technology and fisheries. It also has success stories of farmers, advisory for the farmers and information related with animal husbandry, dairy technology and fisheries in the form of frequently asked questions. It also has university publication like MAFSU VARTA besides Godhuli, Jalcharika illustrative booklets for dairy and fisheries. All institutes of MAFSU are linked with the University website.

All the institutions of the university has a website. The list is given below.

1. University : www.mafsu.in
2. Bombay Veterinary College, Mumbai : www.bvc.org.in
3. Nagpur Veterinary College, Nagpur : www.nvcnagpur.net
4. College of Veterinary and Animal Science, Parbhani : www.covaspbn.com
5. KNP Veterinary College, Shriwal : www.knpsc.in
6. College of Veterinary and Animal Science, Udgir : www.vcudg.in
7. Post Graduate Institute of Veterinary & Animal Sciences, Akola : www.pgivasakola.in
8. Dairy Technology College, Warud (Pusad) : www.cdtpusad.in
9. College of Dairy Technology, Udgir : www.cdudgir.in
10. College of Fishery Science, Nagpur : www.cofsnagp.org
11. College of Fishery Science, Udgir : www.cofsu.in



17

AWARDS, HONOURS AND RECOGNITIONS:

17.A. MAFSU Head Quarter

Sr. No.	Name of the Awardee	Name of Award
1	Prof. A. K. Misra, Hon'ble Vice-Chancellor, MAFSU, Nagpur	<p>Awarded as the "Fellow of National Academy of Agricultural Sciences" at the hands of Dr. M. S. Swaminathan for the outstanding work in Veterinary Field during Silver Jubilee Function of National Academy of Agricultural Sciences,(NAAS) New Delhi held during 2nd to 5th June 2015.</p> <p>Hon'ble Agriculture and Farmers Welfare Minister and President of the Indian Council of Agriculture Reserch (ICAR) Society nominated Prof. A. K. Misra, Hon'ble Vice Chancellor as Member of the Governing Body of the ICAR Society under the category "Vice-Chancellor as Member of Agricultural Universities" for a period of three years with effective from 29.12.2015.</p>



Prof. A. K. Misra, Hon'ble Vice-Chancellor receiving the award
at the hands of Dr. M. S. Swaminathan



17.B. Faculty Awards/ Achievements

Sr.No.	Name of Teacher	Name of Award
1	Dr. R.J. Zende, Associate Professor, Dept. Of Vety. Public Health, BVC, Mumbai	Honoured for his valuable contribution in Public Health by Millennium India Education Foundation, New Delhi, KEM Hospital and G. S. Medical College.
2	Dr. V.M. Vaidya, Assistant Professor, Dept. Of Vety. Public Health, BVC, Mumbai	Honoured for his valuable contribution in Public Health by Millennium India Education Foundation, New Delhi, KEM Hospital and G. S. Medical College.
3	Dr. Shilpa S. Modekar, Assistant Professor, Department of Anatomy and Histology , BVC, Mumbai	Received Best paper presentation award at XIV Annual conference of Indian Association of Women Veterinarians (IAWA) held during 08-10 Oct.2015 at Pune.
4	Dr. C. R. Jangde, University Professor & Head, Dept. of Veterinary Pharmacology & Toxicology, NVC, Nagpur	Awarded as "Fellow" of prestigious Indian Society of Veterinary Pharmacology and Toxicology (ISVPT) at XV Annual convention of Indian Society of Veterinary Pharmacology & Toxicology on Nutritional Pharmacology and Toxicology beyond calories" on 14 January, 2016 at ICAR-National Dairy Research Institute (NDRI), Karnal, Haryana.
5	Dr. S. B. Akhare, Associate Professor, Dept. of Veterinary Surgery and Radiology, NVC, Nagpur	Received Best Poster Presentation Award in small animal surgery session in the conference held at College of Veterinary Science, Shrinagar, Jammu and Kashmir
6	Dr. M. V. Kamble, Dr. M. S. Dhakate & Dr. S. V. Upadhye, Faculty of Deapartment of Veterinary Surgery and Radiology, NVC, Nagpur	Received Best Poster Award for the Poster 'Surgical Management of multiple intestinal obstruction and rganized ptions in German shepherd dog' in XIV Annual Conference of Indian Association of Women Veterinarians and National Seminar on Recent Advances in Veterinary and Animal Science and Role of Women Veterinarians, held during 8-10 October 2015 at KNPVC, Shirwal
7	Dr. Minakshi S. Bawaskar, Assistant Professor, Dept of ARGO, NVC, Nagpur,	Received Best Oral Presentation award for the paper entitled Successful relieved dystokia by using partial fetotomy in Nagpuri buffalo in National conference on Recent advances in Veterinary and Animal Sciences and Role of women Veterinarians & XIV National Conference of Indian Association of Women Veterinarians held during 8/10/15 to 10/10/15 at Pune.
8	Dr. N. M. Markandeya, Professor, Dept. of Animal Reproduction, Gynecology & Obstetrics, COVAS, Parbhani	Felicitated by Indian Society for Study of Animal Reproduction with Fellowship at Bengaluru during 31 st National Convention of ISSAR on dated 03 rd Dec. 2015.
9	Dr. H. S. Birade, Dean, Post Graduate Institute of Veterinary and Animal Sciences, Akola.	Honoured with "Dr. Diwakar Gorhe Best Veterinary Professor and Scientist Award – 2015" at the hands of Mrs. Neelamta Gorhe, Hon'ble MLA, Mumbai on 24 th May, 2015 at Pune.



10	Dr. H. S. Birade, Dean, Post Graduate Institute of Veterinary and Animal Sciences, Akola.	Awarded IAAVR Merit Award during 16 th Indian Veterinary Congress, XXIII Annual Conference of IAAVR & National Symposium on "Strengthening of Governance in Animal Health and Production activities for the benefit of farmers and livestock owners" 27-28 th February 2016 by Hon'ble Vice-Chancellor, TANUVAS, Chennai at College of Veterinary Science and Animal Husbandry (OUAT) Bhubaneshwar (Odisha).
11	Dr. Rekhate D. H., Associate Professor, Animal Nutrition, PGIVAS, Akola	Felicitated with National Achiever's Award (Agri. & Vet.) on 21 st May 2015 at the hands of Shri Haribhau Bagadeji, Hon'ble speaker, Legislative Assembly, Maharashtra, in a grand ceremony at Aurangabad.
12	Dr. Kakasaheb Kalyanrao Khose, Assistant Professor, Dept. of Poultry Science, PGIVAS, Akola	Awarded a prestigious certificate of best NSS Programme Officer at the hands of Hon'ble Minister of state for primary, higher and technical education Shri Vinod Tawde on dated 08 June, 2015 at Mumbai for his significant work in the capacity of NSS programme officer for the year 2012-13.
13	Dr. A. U. Bhikane, Associate Professor, Veterinary Clinical Medicine, COVAS, Udgir	On behalf of Gorakshan Sanstha Somnathpur, Dr. A.U. Bhikane, was felicitated at the hands of Hon. Dr. Sunilji Gaikwad, Member of Parliament, Latur for dedicated service to animals and poor farmers in presence of Dr R.N. Lakhotiya, President of Gorakshan Sanstha, Somnathpur
14	Dr. Prachi Taksande, Assistant Professor, Surgery & Radiology, COVAS, Udgir	Received Gold Medal for Best Paper entitled "Ultrasonographic localization and mineral profile of urinary calculi in young and adult bovine animals" in XXXIX Annual Congress of Indian Society for Veterinary Surgery (ISVS), and National Symposium organized by Division of Veterinary Surgery and Radiology, Sher-e-Kashmir University of Agricultural Sciences and Technology, Kashmir from September 01 st – 3 rd , 2015
15	Dr. A. S. Kulkarni, Assistant Professor, COFS, Udgir	Awarded with Best Participant in CAFT Training programme on "Communication and Management Tools and Approaches for Agricultural Extension" organized during September, 2-22, 2015 at IARI, New Delhi.
16	Mr. Nilkanth Ramrao Pawar, Assistant Professor, College of Dairy Technology, Udgir	Awarded as a best seminar on topic entitled "Value Addition and Functional Dairy Products" in dairy industry seminar organized by Dairy Technology Association (Maharashtra) held on 12.12.2015.
17	Dr S. Sajid Ali, Assistant Professor, Department of Animal Genetics and Breeding, PGIVAS, Akola	Felicitated by the Maharashtra Rajya Alpsankhyak Adhikari Karmchari Association (MRAAKA), Mumbai on 10 th January 2016 by the hands of Mr Shivanand Taksale, Additional Collector, Buldhana for his active contribution in the work of association for social cause of minorities.
18	Dr. S. M. Wankhede, Assistant Professor, Department of Animal Nutrition, Post Graduate Institute of Veterinary & Animal Sciences, Akola	Received outstanding research paper award for research paper entitled "Effect of <i>Emblica officinalis</i> (Amla) and vitamin E addition in diet on growth performance of broiler chicken reared under nutritional stress", by A. S. Patil, S. M. Wankhede and V. R. Kale, in Indian Journal of Animal Nutrition, 2014, received in the XVI Biennial Animal Nutrition Conference held at NDRI, Karnal, during 6-8 Feb.2016.



Dr. Minakshi Bawaskar receiving award



Dr. Modekar receiving award



Dr. N. M. Markandeya receiving Award at Bengaluru



Dr. D. H. Rekhate receiving the award



Dr. K. K. Khose receiving the award



Felicitations of Dr. A. U. Bhikane



Dr. Prachi Taksande receiving Gold Medal



Dr. A. S. Kulkarni receiving award



Felicitation of Dr S. Sajid Ali



Dr. C. R. Jangde receiving award



Dr. S. M. Wankhede receiving award

17.C. Students Award/Achievements

National Level Youth Fest SPARDHA-16

Mr. Amol Padwal, student of third year B.Tech. (DT), student of CDT, Udgir received third prize in National Level Youth Fest "SPARDHA" organized by Vaikunth Mehta National Institute of Cooperative Management (VAMNICOM) sponsored by Ministry of Agricultural and Cooperation, New Delhi on 20th and 21st of February, 2016.



Mr. Amol Padwal receiving prize

Appreciation Award in National Dairy & Food Quiz Contest

Mr. Ganesh Saswade and Mr. Pramod Tambade students of College of Dairy Technology, Udgir secured Appreciation Award (4th rank) in National Dairy & Food Quiz Contest organized by SMC college of Dairy Science College, Anand on 10th & 11th September 2015.



Students with appreciation award



Second prize in International Conference

Clinical paper entitled "A rare case of diabetes mellitus in a bullock" presented by Ravi Naganna Teppawar, final year student of COVAS Udgir was adjudged as second best paper in farm animal medicine session of 7th International Clinical Case Conference on Farm and Companion Animal Practice for Veterinary Students' held at Namakkal



Tappewar Ravi Naganna receiving Best Case presentation award

Students Excelled in AIEEA-PG-2015

The students of College of Dairy Technology, Warud have excelled in All India Entrance Examination (AIEEA-PG-2015). Total six students secured admissions in the National Institute for pursuing their Master's Degree. Ganesh Pawar ranked second in ICAR's AIEEA-PG-2015 at national level while other students namely Nakul Gosewade, Gaurav Wale, Akash Garud, Vitthal Jadhao and Bhakti Chavhan ranked seventh, eighth, thirteenth, twentieth and twenty third, respectively.



Ganesh Pawar

Mr. Parmeswar Kate, student of CDT, Udgir has secured 10th rank in ICAR-AIEEA 2015 PG Entrance Examination and he has got the admission in NDRI, Karnal in Dairy Technology Division for M.Tech.



Mr. Parmeswar Kate

Best Poster Award

Student of final year Mr. Pankaj Prakash Gaonkar from KNP COVS, Shirwal received best poster award in " 2nd Indo Global Summit on Veterinary" organized by OMICS International Group at Hi Tech City, Hyderabad during 26-28 October 2015.



18

OTHER ACTIVITIES

- World Zoonoses Day was celebrated by all the Veterinary colleges of MAFSU. On this occasion lectures on various zoonotic diseases were organized for Livestock Development Officers, staff & students of the college.



Celebration of World Zoonosis Day



WSAVA-FSAPAI Outreach Programme in collaboration with Dept. of Veterinary Medicine, BVC, Mumbai

- WSAVA-FSAPAI Outreach Programme in collaboration with Department of Veterinary Medicine, Bombay Veterinary College, Mumbai organized lecture on "CME on Feline Internal Medicine" on 09th December, 2015 at Amphi-theatre, BVC, Parel, Mumbai. Susan Little, DVM, DAVBP, (Feline), Canada were the Guest of Honor & Speaker during the programme.



Prof. A. K. Misra, Hon'ble Vice Chancellor, MAFSU, Nagpur,
Dr. U.C. Sharma & other dignitaries on dias

- The Bombay Veterinary College Alumni Association organized 27th Bai Ratanbai Gharda Oration at Bombay Veterinary College, Parel, Mumbai on 31st October, 2015 under the Chairmanship & Presidentship of Prof. A. K. Misra, Hon'ble Vice Chancellor, Maharashtra Animal & Fishery Sciences University, Nagpur. Lecture was delivered on the topic "Strategies for empowerment of under graduate education for Global Competitiveness and different schemes of VCI for continuing Veterinary education" by Dr. Umesh Chandra Sharma, Hon'ble President, Veterinary Council of India, Govt. of India.

- On the auspicious occasion of 15th Foundation Day of Maharashtra Animal & Fishery Sciences University, Nagpur on 3rd December, 2015, Clean Milk Production Day was celebrated by all the constituent Veterinary & Dairy Technology colleges of the University. Various programmes like training, demonstrations and lectures were organized for the farmer, dairy entrepreneurs and students.
- World Rabies Day was celebrated by all the constituent Veterinary colleges of the University on 28/09/2015. On this occasion free anti-rabies vaccination camps for stray dogs, lectures, quiz and interactive discussion for school/college students were organized.
- The constituent fishery colleges of the University celebrated Fish Farmers Day on 10/07/2015. On this occasion, felicitation of progressive fish farmers and an interactive session for students-farmers was organized to inculcate the entrepreneurship among budding students.
- World Fisheries day was celebrated on 21/11/2015 by the constituent fishery colleges of the University. On this occasion programmes like lectures & farmer's meet were organized for fish farmers for students and fish farmers at Pethkaldongari, Dist. Nagpur.



Inauguration of Anti Rabies vaccination camp by vaccinating the dog

18.J. Farmer's Awareness Programme by MAFSU, Nagpur in Suicide affected districts of Vidarbha and Marathawada.

In view of strengthening the morals of farmers in suicide affected areas of Vidarbha and Marathwada regions of Maharashtra state by promoting them for livestock keeping as a promising livelihood alternative, the MAFSU, Nagpur implemented Farmers Awareness Campaigns at mass level with a view to reach 1000 villages in a year. The programme was initiated on 15th August 2105 from the Dongargoan village in the Akola District by Dr. N. N. Zade, Director of Extension and Training, MAFSU. Within first one month, around 86 villages across the Vidarbha and Marathwada region were covered. All the constituent colleges of MAFSU from the region



Hon'ble Vice-Chancellor Prof. A.K.Misra addressing the farmers



are organizing the programmes in their jurisdiction. Hon'ble Vice-Chancellor, Prof. A. K. Misra also attended the farmers awareness campaign programme at village, Haibatpur and village Navandi, Tq. Udgir Dist. Latur on 4th September. He highlighted the role of women in dairy farming and insisted to adopt Animal husbandry and Fish farming practices as Joint venture to overcome drought situation. Shri Balwantrao Patil of Malkapurkar, progressive dairy farmer and Smt. Chayabai Phule, Chairman, Cooperative Dairy Society were felicitated at the hands of Hon'ble Vice chancellor. Total number of villages covered till 31st March 2016 were 824.



Hon'ble Chief Minister of Maharashtra, Shri. Devendra Fadnavis inaugurating the Gorewada Wildlife Rescue Centre

18.K. Wildlife Research & Training Centre, Gorewada, Nagpur

Hon'ble Chief Minister of Maharashtra, Shri. Devendra Fadnavis inaugurated Gorewada Wildlife Rescue Centre situated at Nagpur on 17.12.2015 in the presence of Forest Minister Hon'ble Shri Sudhir Mungantiwar, Prof. A. K. Misra, Hon'ble Vice-Chancellor of MAFSU and senior officials of University and Forest Department. The Wild life Rescue Centre is spread over 25 hectares of land comprised of a clinic, pathology laboratory, operation theatre and cages. The Rescue centre has been set up to take proper care of orphaned, injured and rescued wild animals. The animals will be treated under the supervision of expert staff of MAFSU. The Rescue centre paved the way for formulation of speciality courses in wild life health.

18.L. Commissioning of Animal Ambulance

Six animal ambulances purchased from the grant of Rashtrya Krishi Vikas Yojana (RKVY), Govt. of Maharashtra for six Veterinary Colleges at Nagpur, Mumbai, Udgir, Parbhani, Shirwal and Akola. On the occasion of International Animal Rights day on 10th December 2016, these ambulances were commissioned by Shri. Eknathrao Khadse, Hon'ble Minister of Animal Husbandry, Dairy Development and Fisheries, Maharashtra State at Teaching Veterinary Clinical Complex, Nagpur Veterinary College, Nagpur. The ambulances are equipped with all facilities including hydraulic platform for carrying the large animals.



Shri Eknathji Khadse, Hon'ble Minister of Animal Husbandry, Dairy Development and Fisheries, Maharashtra State showing green flag to ambulance

18.M. MAFSU celebrated Jai Kisan Jai Vigyan week

Jai Kisan Jai Vigyan Week (23rd to 29th of December 2015) was celebrated to mark the birth anniversaries of Shri Atal Bihari Vajpayee and Late Shri Chaudhari Charan Singh, former Prime Ministers of India. On this occasion Maharashtra Animal and Fishery Sciences University felicitated progressive farmers from dairy, poultry, goatry, fishery and dairy technology sectors during the 8th Extension and continuing Education Council Meeting held on 29/12/2015 at University headquarter under the Chairmanship of Hon'ble Vice-Chancellor Prof. A. K. Misra. Ten progressive farmers from various regions of the Maharashtra were felicitated by offering shawl, shripal and a certificate for their contribution in various animal husbandry and allied sectors.



The names of Livestock Farmers felicitated on the occasion is given below:

Sr. No. Name of farmer

- 1) Shri Ajay Gujar - Akola
- 3) Shri Balwantrao Patil - Udgir
- 5) Smt Vaishali Patre - Nagpur
- 7) Shri Prafull Bhandari - Pusad
- 9) Shri Bramhaji Kendre - Nagpur

Sr. No. Name of farmer

- 2) Shri Ravindra Sawant - Shirwal
- 4) Dr. Subodh Naik - Mumbai
- 6) Shri Maroti Bawne - Udgir
- 8) Shri Gangadhar Dapkekar - Udgir
- 10) Shri. Prakash Deshmukh - Parbhani



Prof. A. K. Misra, Hon'ble Vice-Chancellor
felicitating Shri Ajay Gujar



Shri Ravindra Sawant receiving the
Certificate of Appreciation



Shri Balwantrao Patil receiving the Certificate of Appreciation



Dr. Subodh Naik receiving the Certificate of Appreciation



Smt. Vaishali Patre receiving the
Certificate of Appreciation



Shri Maruti Bawne receiving the
Certificate of Appreciation



Shri Prafull Bhandari receiving the Certificate of Appreciation



Shri Gangadhar Dapkekar receiving the Certificate



Shri Bramhjhaji Kendre receiving the Certificate



Shri. Prakash Deshmukh receiving the Certificate of Appreciation



Hon'ble Vice-Chancellor with staff performing yoga

18.N. International Yoga day Celebration

International Yoga day was celebrated with enthusiasm at MAFSU Head quarter and all constituent Colleges of MAFSU on 21st June 2015. Dr. Sourabh S.Vaidya Yog Prashikshak guided the staff of MAFSU on this occasion. Prof. A. K. Misra, Hon'ble Vice-Chancellor, MAFSU with Mrs. Misra participated along with all staff members of MAFSU

18.O. Celebration of Birth Anniversary of Dr. Babasaheb Ambedkar

Birth Anniversary of Dr. Babasaheb Ambedkar was celebrated on 14/04/2015 by offering garland and flowers at University headquarter and in the constituent colleges. Thoughts of this great national leader were remembered. Hon'ble Vice-Chancellor Prof. A. K. Misra addressed the gathering of University employees on the occasion and inspired them to work hard in adverse conditions and with available facilities. On this occasion, 52 students donated blood in blood donation camp organized at Nagpur Veterinary College, Nagpur



Hon'ble Vice-Chancellor
Prof. A. K. Misra addressing the staff



Blood donation camp organized at Nagpur Veterinary College, Nagpur

19

VISITS OF DIGNITARIES / DISTINGUISHED VISITORS

19.A. Bombay Veterinary College, Mumbai

Sr. No.	Name of Dignitary	Date
1	Dr. A. T. Sherikar, Hon'ble Ex-Vice Chancellor, MAFSU, Dr. V. S. Narasapur, Ex-Head, Department of Veterinary Parasitology, Bombay Veterinary College, Mumbai & Dr. (Mrs.) Preeti Mehta Head, Department of Medical Microbiology, Seth GS Medical College	06.07.2015
2	Dr. Ravindra Chaudhary, Veterinary Council of India nominated member	20.07.2015 to 21.07. 2015
3	Dr. A. Sangaran, Professor of Parasitology, MVC, Chennai	Aug 2015
4	Dr. R. Momin, Professor of Parasitology, COVAS, SK Nagar	Sept 2015
5	Dr. Jerry R. Malayer and his team, State EPSCoR Director (AGB) and Dr. Terry Cuties Board certified clinical behaviourist , Department of Small Animal Clinical Science University of Florida, USA	29.10.2015
6	Dr. A. K. Sangwan, Professor of Parasitology, COVAS, Hisar	Nov 2015
7	Dr. Aldaniz Gulenov, Head, Central Research Laboratory, Ministry of Health, Azerbaijan	Jan 2016



8	Dr. Thomas Schubert, Clinical Professor Neurology and chief of neurology services , Small Animal Clinical Science University of Florida, USA	07.02.2016
9	Hon. Dr. Sanjivkumar Balian, Hon. State Minister of Agriculture and Animal Husbandry, Government of India	17.03.2016



Dr. Ravindra Chaudhary, VCI member visit to BVC, Goregaon



Dr. Sanjivkumar Balian, Hon'ble State Minister of Agriculture and Animal Husbandry, Government of India visited BVC, Parel

19.B. Nagpur Veterinary College, Nagpur

Sr. No.	Name of Dignitary	Date
1	Dr. Anup Kalra, Vice-president, Ayurved, New Delhi	May, 2015
2	Dr. Gupte, Ex-Director, National Institute of Epidemiology, New Delhi	May, 2015
3	Mr. Sunil Kedar, MLA, Saoner, dist. Nagpur	26.06.2015
4	P. P. Khandekar, Air Marshal	29.07.2015
5	Shirish Kapadia, Dy. World chairmen Giants International	18.07.2015
6	Dr. Ravinder Kumar, VCI member	17.07.2015
7	Dr. Bhosale, Commissioner Animal Husbandry, M.S	25.08.2015
8	Dr. Lajos Balogh and Dr Juliana Thuroczy	19.10.2015
9	Prof. A. K. Misra, Hon'ble Vice Chancellor, MAFSU, Nagpur	26.10.2015
10	Dr. Nimbalkar, Ex - VC Dr. PDKV, Akola Pro-Vice Chancellor, MAFSU and Minister for AH	03.12.2015
11	Dr. M.D. Gupte, Founder Director, National Institute of Epidemiology and Chairman, Expert Committee on Zoonoses	16.02.2016
12	Dr. Narendra Singh Rathore, DDG, ICAR, New Delhi	25.02.2016
13	Dr. P. S. Pandey, Assistant Director General (EP&HS), ICAR, New Delhi.	08.03.2016
14	Dr B. S. Garg, Secretary, Kasturb a Health Society, Director-Professor of Community Medicine, Dr Sushila Nayar School of Public Health Mahatma Gandhi Institute of Medical Sciences, Sewagram	08.03.2016
15	Dr. S.C. Parija, Director, JIPMER, Puduchery	12.03.2016



16	Dr. Munegowda K C (Rickettsiologist) , Dept of Microbiology Kasturba Medical College, Manipal University	12.03.2016
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Visit of Air Marshall P.P. Khandekar to TVCC , Nagpur

19.C. College of Veterinary and Animal Sciences, Parbhani

Sr.No	Name of Dignitary	Date
1	Dr.R. R. Bhatkar, Dr.B. A. Satale, and Shri.M. N. Dongre Hon'ble Executive Council Members	08.04.2015
2	Dr.K. Krishna Kumar, Hon'ble Member, Veterinary Council of India, New Delhi	14.07.2015 to 15.07.2015
3	Dr.N. N. Zade, Director of Extension, MAFSU, Nagpur	14.07.2015 to 15.07.2015
4	Prof. A. K. Misra, Hon'ble Vice Chancellor, MAFSU, Nagpur	24.07.2015



Dr. K. Krishna Kumar, Member, VCI, New Delhi visiting COVAS, Parbhani.



19.D. College of Veterinary and Animal Sciences, Udgir

Sr.No.	Name of Dignitary	Date
1	Dr. T. Harikrishna, VCI, Member	21.07.2015
2	Prof. A. K. Misra, Hon'ble Vice-chancellor	03.09.2015 to 04.09. 2105
3	Dr. D. R. Kalore, Director of Research	03.09.2015 to 04.09.2015
4	Dr. N. N. Zade, Director of Extension	03.09.2015 to 04.09.2015
5	Shri. V. V. Rane, Registrar	03.09.2015 to 04.09.2015
6	Shri. Mukund Dada Dongre, Executive Council Member	19.01.2016
7	Dr. Bhagwanji Satale, Executive Council Member	19.01.2016



Dr. K. Krishna Kumar, Member, VCI, New Delhi visiting COVAS, Parbhani.

19.E. KNP College of Veterinary Science, Shirwal

Sr.No.	Name of Dignitary	Date
1	Hon'ble Dr. Gurudial Singh, Vice president, VCI	18.07.2015
2	Dr. R. S. Dalvi, Dean, Fishery, MAFSU, Nagpur	18.07.2015
3	Dr. N. N. Zade , DET, MAFSU, Nagpur	18.07.2015
4	Prof. A. K. Misra, Hon'ble Vice Chancellor, MAFSU Nagpur	08.10.2015
5	Dr.Umeshchandra Sharama, President of VCI	08.10.2015
6	Dr.Bhangawanrao Satale, Member VCI & Executive Council Member, MAFSU, Nagpur.	08.10.2015
7	Dr. S. T. Hande, Member VCI	08.10.2015
8	Dr. Matthias Frank, Veterinary Practitioner, Germany	16.10.2015 to 18.10.2015
9	Dr.Daniel Damoor, Veterinary Practitioner, Denmark	16.10.2015 to 18.10.2015
10	Dr.Brian Beal, Veterinary Practitioner, USA	16.10.2015 to 18.10.2015
11	Dr. Nicole Larkin, Equine Clinical Veterinarian, Royal Veterinary College, U.K.,	25.02.2016
12	Dr. Mohammad Abdela, Equine practitioner, Egypt	25.02.2016
13	Dr. Akruti Chokasi, Equine Dentist from Mumbai	25.02.2016
14	Farrier Mr. Matt Penny from U.K.	25.02.2016
15	Farrier Mr.Kyle Attkinsen from U.K.	25.02.2016



Visit of Dr. Gurdial Singh, Vice President, VCI

19.F. Post Graduate Institute of Veterinary and Animal Sciences, Akola

Sr.No.	Name of Dignitary	Date
1	Dr. Vasudeo Sidhye, Ex -BAIF Officer and Dairy Consultant, Pune	03.07.2015
2	Dr. H. D. Gaikwad, CEO, MLDB, Akola	18.12.2015
3	Jenny Hunter, Social Activist, USA	30.01.2016
4	Dr. M. L. Madan, Ex Vice Chancellor, Dr .PDKV, Akola	06.02.2016



Visit of Jenny Hunter

19.G. College of Dairy Technology, Warud

Sr.No.	Name of Dignitary	Date
1	Dr. N. N Zade, Director of Extension and Training, MAFSU, Nagpur	09.09.2015
2	Dr. Mishra and Dr. Kulkarni, Procurement Head, Amul, Nagpur	23.09.2015
3	Mr. Makheja, CM intern, Collector Office, Yavatmal	14.10.2015 to 17.10.2015
4	Mr. Abhay Moghe, Vice President Gramin Samasya Mukti Trust, Wani (NGO) MR. Vivek Adkine, Regional Manager (CAIM Project), Yavatmal	14.01.2016
5	Shri. Mishra, District Program Manager, CAIM Project, Collector office Yavatmal	06.02.2016

19.H. College of Fishery Science, Udgir

Sr.No.	Name of Dignitary	Date
1	Mr. B.U. Bhosale, Hon'ble EC Member, MAFSU, Nagpur	01.08.2015



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BUILDING AND CONSTRUCTIONS

20.A. Completed Works:

Sr. No.	Description of work	Funding Agency	Budget (INR in Lakh)
1	Construction of Diagnostic Lab., & Information Centre on First Floor of T.V.C.C. Building at College of Veterinary & Animal Science, Udgir.	R.K.V.Y & M.V.K.	46.00
2	Replacement of Existing electrical equipment with Energy saving Electrical Equipment at MAFSU, Nagpur campus Under the Scheme of Energy Conservation.	Scheme of Energy Conservation of M.E.D.A.	10.56
3	Renovation of Existing Poultry shed for Training & Demonstration Center at Poultry farm of Nagpur Veterinary College, Nagpur Under R.K.V.Y.	R.K.V.Y	56.40
4	Electrification to Diagnostic Lab., & Conference Hall on First Floor of T.V.C.C. Building at College of Veterinary & Animal Science, Udgir.	R.K.V.Y & M.V.K.	6.49
5	Construction of Loose Housing for Marathawadi Buffalo Research Project at College of Veterinary & Animal Science, Udgir, Distt. Latur.	M.V.K.	66.57
		Total	186.02



20.B. Ongoing Works:

Sr.No.	Description of work	Funding Agency	Budget (INR in Lakh)
1	Construction of S.C. Girl's Hostel under Babu Jagjivanram Chhatras Yojna for Maharashtra Animal & Fishery Sciences University, Nagpur.	Babu Jagjivanram Chhatras Yojna	279.37
2	Repairs to buildings at Bombay Veterinary college, Parel, Mumbai.	State Govt.	23.66
3	Structural and other repairs to buildings at Goregaon Campus, Bombay Veterinary College, Mumbai.	State Govt.	286.69
4	Replacement of Existing Electrical equipment with Energy Saving Electrical Equipment at Post Graduate Institute of Veterinary and Animal Science, Akola Campus under the Scheme of Energy Conservation."	Scheme of Energy Conservation of M.E.D.A.	8.20
5	Repair work to Administrative Building of MAFSU, Nagpur.	University Receipt	3.55
6	Construction of cement concrete approach road to International Hostel Building at MAFSU, Nagpur.	University Revenue Receipt	9.78
7	Re-wiring of AP1 to AP6 qtrs & L1 to L6 Qters at NVC, Nagpur.	University Revenue Receipt	3.96
8	Preparing master plan & survey work land survey No. 23/1 of University, Nagpur	University Revenue Receipt	9.70
9	Renovation work for centre of Zoonoses at NVC, Nagpur.	ICAR Grant	15.42
10	Renovation & electrification to zoonoses lab at N.V.C. Nagpur.	ICAR Grant	7.44
11	Repairs & black topping to existing road in the premises of COVAS, Parbhani.	College Revenue Receipt	13.90
12	Renovation of repair works of toilet blocks at boys hostel at KNPVC Shirwal.	ICAR Grant	9.92
13	Painting & modification work at administrative building at PGIVAS, Akola.	ICAR Grant	9.97
14	Repairs of boys Gokul Hostel at COVAS Parbhani.	ICAR Grant	70.06
15	Repairs of Electrical work in boys Gokul Hostel at COVAS Parbhani.	ICAR Grant	20.95



16	Painting work to new administrative building MAFSU, Nagpur.	University Revenue Receipt	9.76
17	Replacement of damaged Manglore tiles into AC Sheet roofing for residential quarters at NVC Nagpur.	State Govt. fund & University Revenue Receipt	21.85
18	Renovation of existing Dr. Panjabrao Deshmukh statue & Entrance hall for NVC Nagpur.	ICAR Grant	9.39
19	Construction of layer shed poultry farm at PGIVAS, Akola.	RKVV Project	9.63
20	Modification work at premises of administrative building at PGIVAS, Akola.	ICAR Grant	9.93
21	Repair & renovation work for surgery poultry goat bufello farm at PGIVAS, Akola.	ICAR Grant	9.75
22	Electrification of new constructed layer shed at PGIVAS, Akola.	RKVV Project	2.04
23	Upgradation of road at PGIVAS Akola.	RKVV Project	9.84
24	Providing display board & display book rack at library building at MAFSU, Nagpur.	ICAR Grant	2.15
25	Renovation of electrical installation & switchgears of TVCC building Dean office, Pathology dept. at PGIVAS, Akola.	ICAR Grant	2.82
26	Renovation of electrification to old spent layer sheds no. 2, 3, 4, & brooder sheds no.1 of poultry science dept. at PGIVAS Akola.	RKVV & ICAR Grant	2.76
Total			881.23



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ACCOUNTS AND FINANCE

21.1. State Government Grants for the year 2015-2016

Sr. No.	Particulars	Amount Received (in Rs.)	Expenditure (in Rs.)
A	NON PLAN		
1.	Salary & Allowance	60,84,08,000	60,46,08,000
2.	Pension	18,38,12,000	18,38,12,000
3.	Contingency	3,63,18,000	3,63,18,000
	TOTAL Rs. (A)	82,85,38,000	82,47,38,000
B	PLAN		
1.	Establishement Expenditure	3,35,00,000	3,35,00,000
2.	Major Head	3,65,00,000	3,65,00,000
	TOTAL Rs. (B)	7,00,00,000	7,00,00,000
TOTAL Rs. (A) + (B)		89,85,38,000	89,47,38,000



21.2. Indian Council of Agricultural Research, New Delhi Grants 2015-2016

Sr. No.	Particulars	Received Amount (in Rs.)	Expenditure (in Rs.)
1.	Strengthening & Development of Agricultural Education in State Agricultural University	4,84,07,000	4,71,34,528
2.	Library Strengthening	1,38,00,000	1,37,99,989
3.	Junior Research Fellowship (JRF)	3,00,000	3,00,000
4.	National Talent Scholarship (NTS)	8,16,000	5,96,000
5.	Internship /Apprenticeship	5,95,400	5,85,400
6.	ICAR-Nicnac Area of Excellence (NAE) project on Centre for Zoonosis	2,54,99,503	2,54,79,670
7.	Tribal Sub-Plan (TSP)	47,40,500	47,40,500
8.	ICAR under institute scheme	1,81,90,000	1,81,90,000
9.	Government of India under scheme	1,20,31,878	1,20,31,878
10.	Government of Maharashtra under scheme	2,39,44,550	2,39,44,550
11.	Any other agency scheme	33,32,276	33,32,276
	Total Rs.	15,16,57,107	15,01,34,791



BOMBAY VETERINARY COLLEGE, MUMBAI



NAGPUR VETERINARY COLLEGE, NAGPUR



COLLEGE OF VETERINARY AND ANIMAL SCIENCES, PARBHANI



KRANTISINH NANA PATIL COLLEGE OF VETERINARY SCIENCE, SHIRWAL



COLLEGE OF VETERINARY AND ANIMAL SCIENCES, UDGIR



POST GRADUATE INSTITUTE OF VETERINARY & ANIMAL SCIENCES, AKOLA



COLLEGE OF DAIRY TECHNOLOGY, WARUD



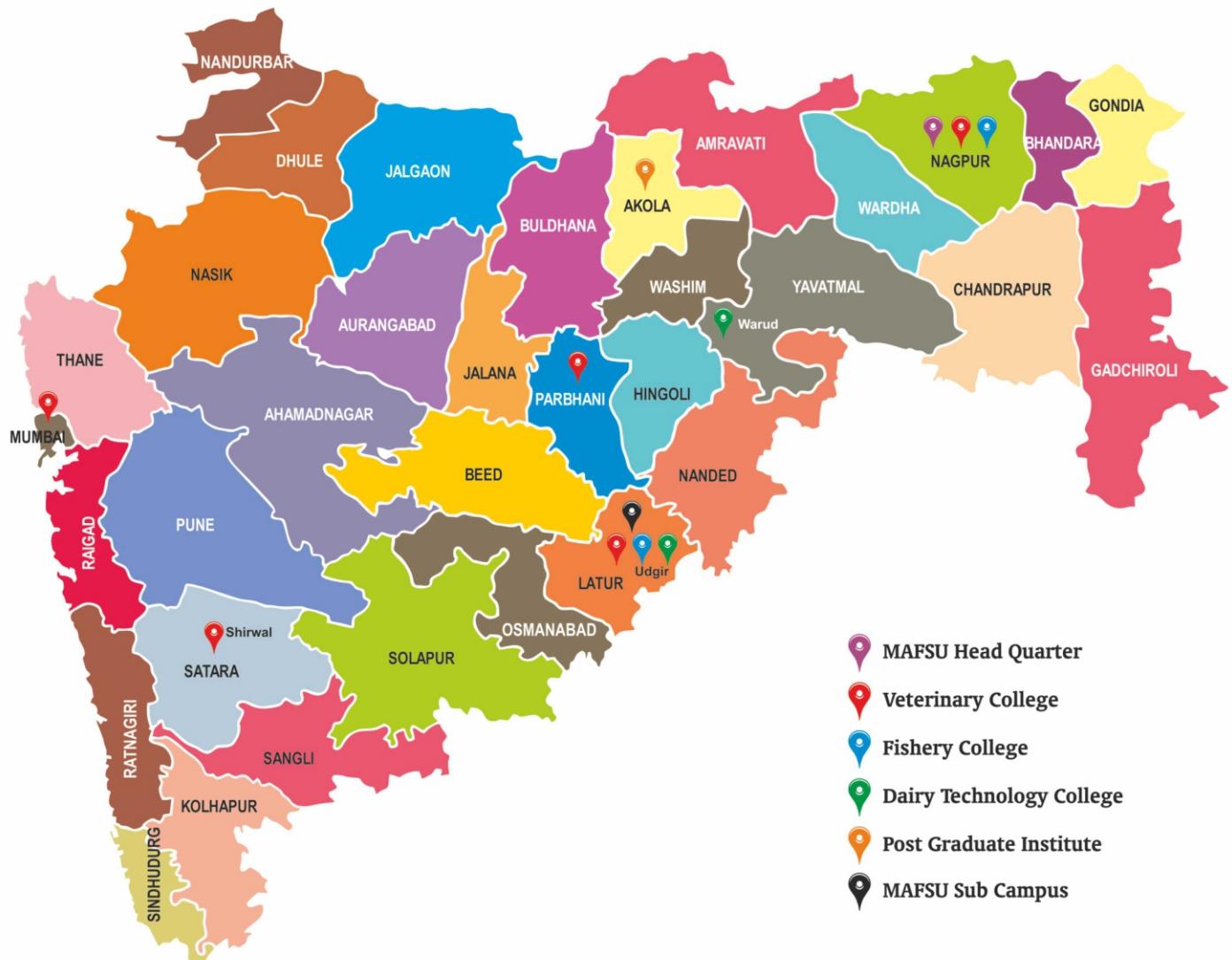
COLLEGE OF DAIRY TECHNOLOGY, UDGIR (Proposed Building)



COLLEGE OF FISHERY SCIENCE, NAGPUR



COLLEGE OF FISHERY SCIENCE, UDGIR



MAHARASHTRA ANIMAL AND FISHERY SCIENCES UNIVERSITY, NAGPUR

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