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KARNATAKA VETERINARY, ANIMAL AND FISHERIES SCIENCES UNIVERSITY

Nandinagar, P.B. No. 6, BIDAR - 585 401 Karnataka, India

7th Annual Report

2011-12



Credit Line

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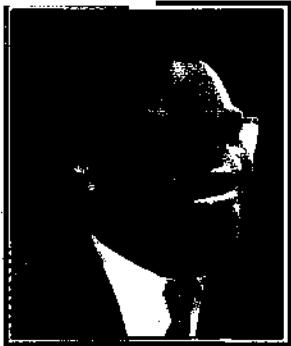
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Preface



It is my privilege to place the 7th Annual Report of Karnataka Veterinary, Animal & Fisheries Sciences University, Nandinagar, Bidar for the year 2011-12. The University with its basic mandate of being "Farmers Friendly & Rural Oriented" is continuously striving hard to buildup the human resources, research and dissemination of knowledge developed through extension in the field of Veterinary, Dairy and Fishery Sciences across the state.

To impart education in the field of Animal Husbandry, Dairying and Fisheries, the University has seven constituent colleges of which, four are Veterinary Colleges located at Bengaluru, Bidar, Shivamogga and Hassan, two Dairy Science Colleges at Bengaluru and Gulbarga and one College of Fisheries located at Mangalore. Looking to the need of Veterinarians, the government has mandated the University to start two more Veterinary Colleges one each at Gadag and Athani which are in the initial stages of development. To develop field level workers and to retain youth back in livestock activities, this year the University has commenced a two-year Diploma in Animal Husbandry at Animal Husbandry Polytechnic, Konehally, Tiptur for the SSLC passed rural candidates. The University offers Undergraduate, Postgraduate and Doctoral degree programmes and capacity building at these colleges. In addition to regular teaching programme, the University also conducts short term refresher training programmes in the form of continued education to the field professionals of the line departments like Animal Husbandry and Veterinary Services, Fisheries and Karnataka Milk Federation. Many of our students have excelled in JCAR Junior Research Fellowship and Senior Research Fellowship at the national level during the year under report. A total of 94 students have completed their Master's degree and 15 have completed their Doctoral degree in different disciplines. Apart from academics, the students of the University have also excelled in the national level sports, youth festival and NSS activities. The University sports team has won first place in the "All India Inter-Veterinary University Sports & Games Meet" held at Chennai and also secured 6th position at "All India Agricultural Universities Sports & Games Meet" held at PDKV, Akola, Maharashtra.

There are several extramural funded research projects under operation in different disciplines across the University. The funding, of which is utilized for development of technologies that can be transferred to the field for the benefit of farming community. Out of the research work carried out, more than 134 publications have been made by the faculty in journals of National and International repute and several papers have been presented at different National and International symposia.

The faculty and the scientists working at Extension Education Centers, different constituent Colleges and Research & Information Centers are also engaged in extension programmes and have arranged several trainings, workshops, seminars, farmers-scientists interaction sessions, demonstrations, field visits across the University for the betterment of the farming community.

I would like to thank the Govt. of India, Govt. Of Karnataka, Indian Council of Agricultural Research, New Delhi; DBT / DST / NDFB and other funding agencies for assisting in overall integrated development of this nascent University and complement the members of the Board of Management, Officers of the University, Faculty, students and staff of this University and all those who have contributed in building the University to the present status.

Sd/-

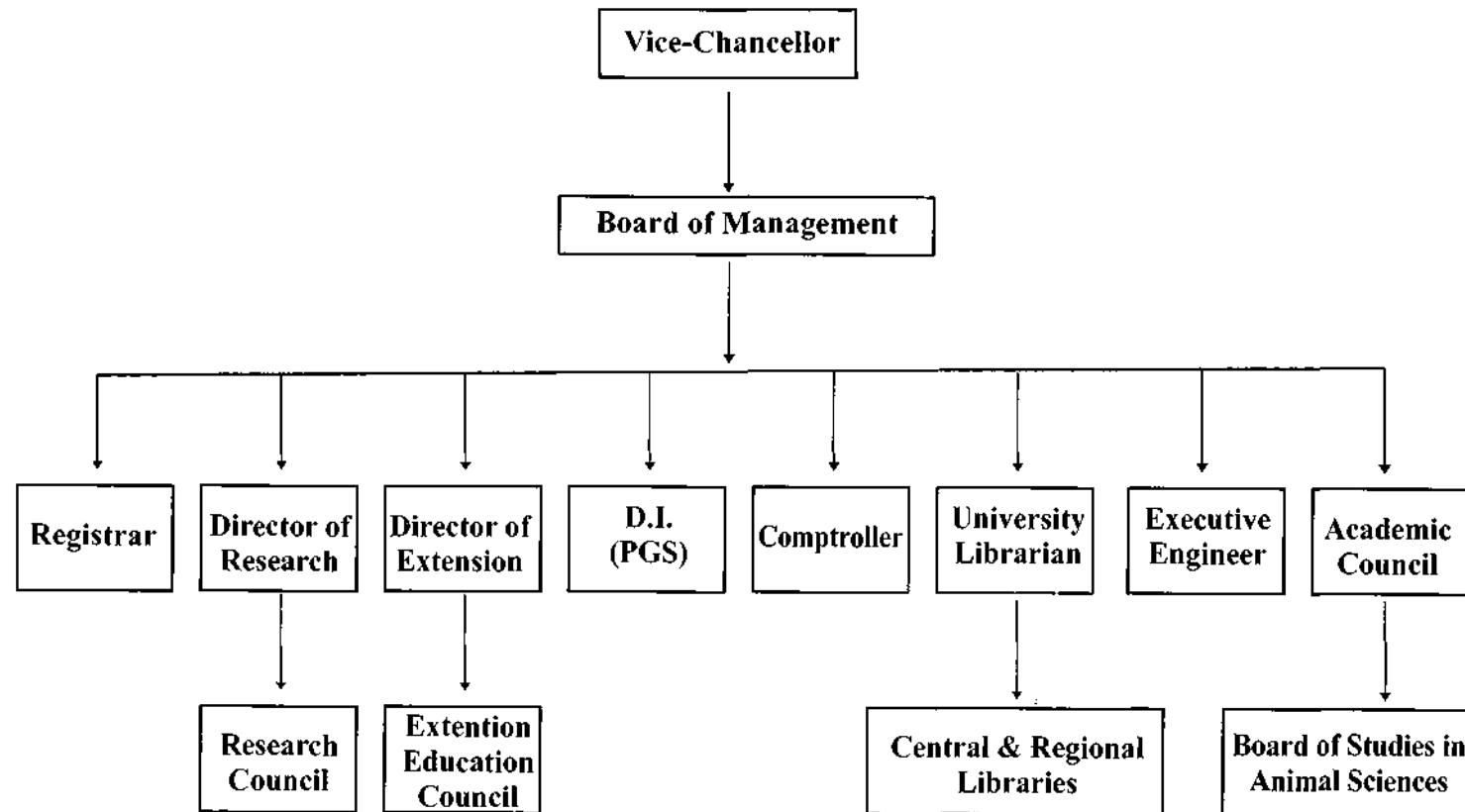
Prof. Suresh, S. Honnappagol
Vice-chancellor

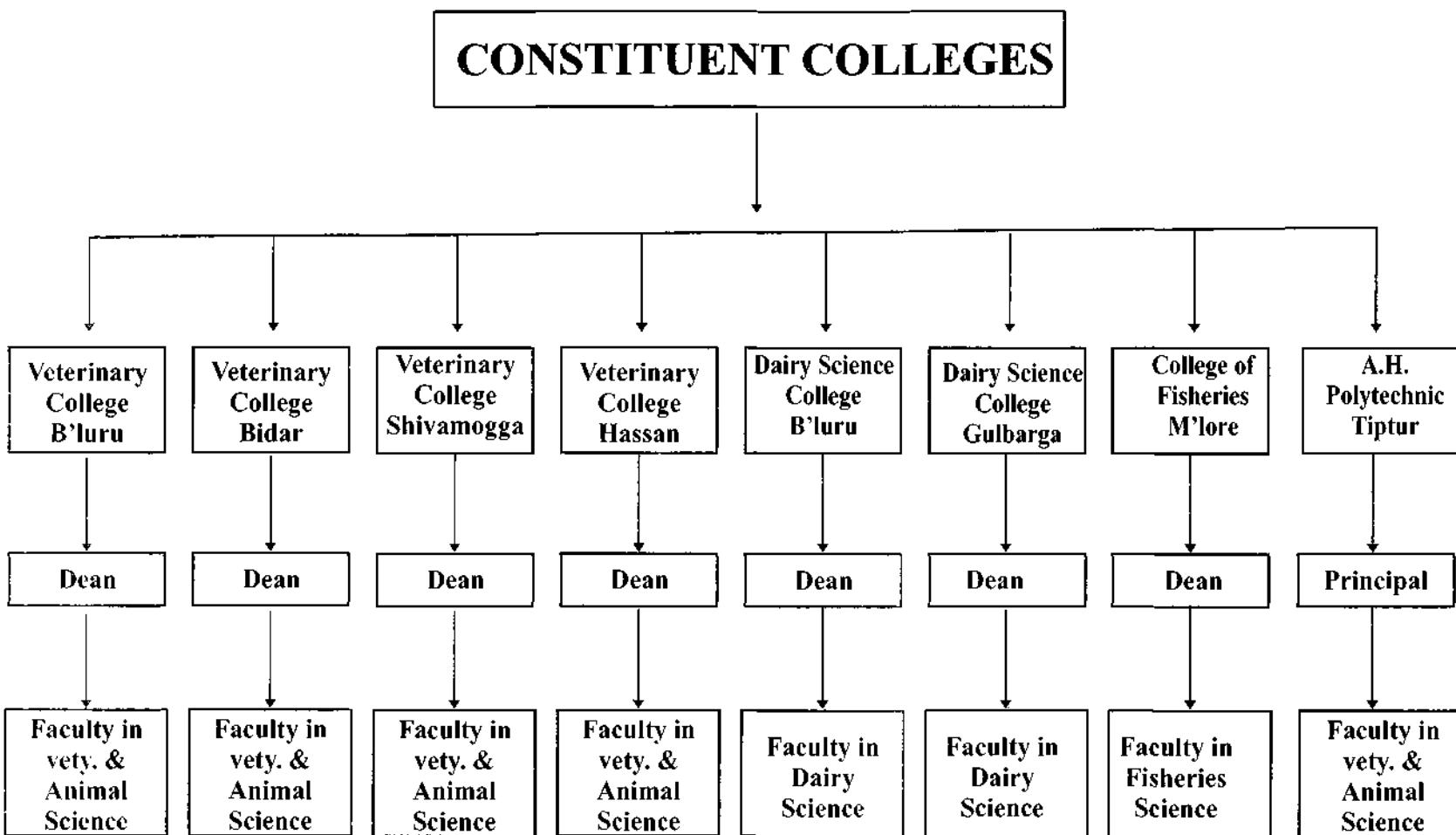
Place: Bidar

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ORGANIZATIONAL SETUP







Mandate of the University

The prime objective and mandate of the University are to uplift the rural livestock, poultry and fish farmers with a motto of "Rural Oriented and Farmer Friendly Activities". The university has a territorial jurisdiction of entire state of Karnataka covering all the 30 districts. The major objectives of the university include,

- * To impart higher quality education in different branches of study, particularly Veterinary and Animal sciences, Fisheries and other allied sciences.
- * Advancement of learning and research, particularly in Veterinary science, Dairy science, Fisheries science and other allied sciences to the rural people of the state
- * To undertake the Extension Education Service in Veterinary and Animal science, Dairy science, Fisheries science and other allied sciences to the rural people of the state.
- * Such other purpose as the State Government may specify by notification.

Mission of the University:

The Mission of the Karnataka Veterinary, Animal and Fisheries Sciences University, Bidar, is to strive hard and provide leadership in teaching, research and extension education services related to Veterinary, Animal and Fisheries to keep pace with new frontiers of science and contemporary developments with social and technical relevance. In this context, the Karnataka Veterinary, Animal and Fisheries Sciences University is strongly committed in absorbing newer paradigms and using them to develop excellent human resource, innovative technologies and their dissemination so as to serve the livestock and fish farming community of the state.



Governance

BOARD OF MANAGEMENT OF THE UNIVERSITY

Chairman : **Prof. Suresh, S. Honnappagol**
Vice-Chancellor, KVAFSU, Bidar.

Ex- Officio Members:

The Principal Secretary to Govt. of Karnataka, Department of AH & Fisheries or his nominee not below the rank of Joint Secretary.

The Principal Secretary to Govt. of Karnataka, Department of Finance or his nominee not below the rank of Joint Secretary.

The Secretary to Govt. of Karnataka, Department of Law or his nominee not below the rank of Joint Secretary.

The Director of Animal Husbandry & Veterinary Services, Govt. of Karnataka, Bengaluru.

The Director of Fisheries, Govt. of Karnataka, Bengaluru.

The Registrar of the University-Member Secretary.

Other Members

Members of the 3rd Board of Management

<i>Sl. No.</i>	<i>Name of the Board Member</i>
1	Prof B. Prabhakar Hegde
2	Sri Vasudeva Byndoor
3	Sri K. C. Shankare Gowda
4	Dr. D. R. Nagesh
5	Dr. (Smt) Vishalaxi V. Kareddy
6	Sri T. Mukunda Varma
7	President, Karnataka Veterinary Council (KVC)



Our institutions

1. Colleges

- 1) Veterinary College, Hebbal, Bengaluru, established in 1958
- 2) Veterinary College, Nandi Nagar, Bidar, established in 1984
- 3) Veterinary College, Shivamogga, established in 2006
- 4) Veterinary College, Hassan, established in 2007
- 5) Dairy Science College, Hebbal, Bengaluru, established in 1980
- 6) Dairy Science College, Gulbarga, established in 2008
- 7) Fisheries College, Mangalore, established in 1969
- 8) Animal Husbandry Polytechnic, Konehally, Tiptur, established in 2011-12
- 9) Veterinary College, Gadag (to be established)
- 10) Veterinary College, Athani (to be established)

2. Research Institutes / Centers

- 1) Institute of Animal Health and Veterinary Biologicals, Hebbal, Bengaluru
- 2) Institute of Wild Life Veterinary Research, (IWVR) Doddaluvara, Kodagu
- 3) Livestock Research and Information Center, (Deoni), Hallikhed, Bidar
- 4) Livestock Research and Information Center (Amruth Mahal and Hallikar), Konnehalli, Tiptur
- 5) Livestock Research & Information Center (Sheep), Nagamangala
- 6) Livestock Research & Information Center (Buffalo), Dornally, Gulbarga
- 7) Canine Research and Information Center Timmapur, Mudhol, Bagalkot
- 8) Fisheries Research & Information Center (Inland), Hebbal, Bengaluru
- 9) Fisheries Research & Information Center (Inland), Hesaraghatta
- 10) Fisheries Research & Information Centre (Marine), Ankola, Uttar Kannada
- 11) Fisheries Research & Information Centre (Inland), Bhutnal, Bijapur
- 12) Fish Seed Production Farm, Shivapura, Koppal (to be taken over)
- 13) Rural Veterinary Hospital, Yelahanka, Bengaluru
- 14) Veterinary Hospital, APMC Yard, Bidar

3. Krishi Vigyan Kendra

- 1) Krishi Vigyan Kendra, Mangalore

4. Extension Education Centers / Institutes

- 1) Extension Education Center, Bengaluru.
- 2) Extension Education Center, Bidar
- 3) Extension Education Center, Hassan
- 4) Extension Education Center, Shivamogga
- 5) Farmers' Training Institute, Bidar



Officers of the University during the period - 2011 2012

1.	Vice-Chancellor, KVAFSU, Bidar	Prof. Suresh, S. Honnappagol
2.	Registrar, KVAFSU, Bidar	Dr. S. Nagaraju (From 26-09-2010 to 31-01-2012) Dr. S. Mallikarjunappa (From 01-02-2012 to 06-03-2012) Dr. H. M. Jayaprakash (From 07-03-2012)
3.	Comptroller, KVAFSU, Bidar	Sri. V. C. Kitageri (From 06-07-2010)
4.	Director of Extension, KVAFSU, Bidar	Dr. S. Mallikarjunappa (From 25-09-010 to 04-05-2011) Dr. K. N. Prabhudeva (From 05-05-2011)
5.	Director of Research, KVAFSU, Bidar	Dr. S. Yathiraj (From 25-09-2010 to 04-05-2011) Dr. H. R. V. Reddy (From 05-05-2011)
6.	Director of Instruction (PGS), KVAFSU, Bidar	Dr. B.V. Venkateshaiah (From 25-09-2010 to 04-05-2011) Dr. Y. Haribabu (From 05-05-2011)
7.	University Librarian (I/c), KVAFSU, Bidar	Dr. Y. Haribabu (From 25-09-2010)
8.	Dean, Veterinary College, Bidar	Dr. S. M. Usturge (From 25-09-2010)
9.	Dean, Veterinary College, Bengaluru	Dr. M.S. Vasanth (From 16-10-2010 to 04-05-2011) Dr. S. Yathiraj (From 05-05-2011)
10.	Dean, Veterinary College, Shivamogga	Dr. R. V. Prasad (From 25-09-2010 to 08-05-2011) Dr. M. Devaraj (From 09-05-2011)
11.	Dean, Veterinary College, Hassan	Dr. Chandrapal Singh (From 16-10-2010 to 08-05-2011) Dr. M. S. Vasanth (From 09-05-2011)
12.	Dean, Dairy Science College, Bengaluru	Dr. (Mrs.) M. Bharathi (From 24-09-2010 to 04-05-2011) Dr. B. V. Venkateshaiah (From 05-05-2011)
13.	Dean, College of Fisheries, Mangalore	Dr. K. M. Shankar (From 28-09-2010)
14.	OSD, Dairy Science College, Gulbarga	Dr. L. Mahalingaiah (From 29-07-2010)
15.	OSD, Veterinary College, Gadag	Dr. M. Devaraj (From 22-10-2010 to 07-05-2011) Dr. S. Mallikarjunappa (From 08-05-2011)
16.	OSD, Veterinary College, Athani	Dr. Y. Haribabu (From 16-08-2010 to 02-08-2011) Dr. S. Mallikarjunappa (From 08-05-2011)
17.	Head of Veterinary Science Division	Dr. Krishna Swamy, A
18.	Head of Animal Science Division	Dr. Krishna Murthy, U
19.	Head of Poultry Science Division	Dr. H. N. Narasimha Murthy
20.	Head of Fisheries Science Division	Dr. Ramachandra Bhatta
21.	Head of Dairy Science Division	Dr. Ramachandra Rao
22.	Executive Engineer	Sri. M. K. Satish



Executive Summary

Karnataka Veterinary, Animal and Fisheries Sciences University, Bidar was established in 2005 as a fifth Veterinary University of the country to uplift the rural livestock, dairy, poultry and fish farmers with a motto of "*Rural Oriented and Farmer Friendly*" activities. The University has its jurisdiction throughout the state with its head quarters at Bidar and Regional Offices at Bengaluru and Mangalore.

EDUCATION:

Teaching activities are carried out in three major faculties spread over at eight campuses through nine colleges and one institute under the jurisdiction of this university. Undergraduate degree programmes in Veterinary and Animal Sciences are offered at Bengaluru, Bidar, Shivamogga and Hassan, Dairy Science at Bengaluru and Mahagaon, Gulbarga and Fisheries Science at Mangalore. Besides these, two more Veterinary Colleges at Gadag and Athani have been sanctioned and initial infrastructure developmental works are being initiated. In addition to these undergraduate and postgraduate programmes, this year a two-year Diploma course in Animal Husbandry has been launched at Livestock Research & Information Centre (Amrithmahal), Konehalli, Tiptur with 44 students on roll to cater to the requirement of middle level managers. The University offers Masters degree in 18 disciplines and Doctoral degree in 12 disciplines in Veterinary and Animal Sciences. While, in the Dairy Science faculty, there are five Masters and two Doctoral programmes. On the other hand, in Fisheries Science faculty, six

Master degree programmes and five Doctoral programmes are offered.

At present there are 1775 students on roll in the University, out of which 1362 are in Bachelor programme, 335 in Masters and 78 are in Doctoral programmes. Many undergraduates and most of the postgraduate students receive financial support from University or from state / central government or private agencies.

Patents: Patents have been obtained on bio-control of luminous bacteria in shrimp hatcheries using bacteriophages, oligonucleotide probe for detection and enumeration of *Vibrio* spp. in aquaculture system and novel biofilm vaccines against bacterial diseases of birds and domestic animals.

International Collaborations: The University has made its presence felt globally by signing MOU's with renowned institutes of USA, France, China, Bangladesh, Belgium and Sweden. The flow of foreign nationals seeking admissions for the Master's and Doctoral degree programme in Veterinary, Animal, Dairy and Fisheries Sciences is steadily increasing. The University has entered MOU for offering University of Minnesota TATA group scholarship and externship in Veterinary Clinical Science for the UG students from the year 2010-11. At present Afghan students are enrolled at this University and are pursuing PG degree programmes in Veterinary and Animal Science.

Students of this University are performing well both in academic and co-curricular activities. Large number of Veterinary



and Fisheries graduates have qualified in ICAR junior research fellowship. Over 80 students secured admissions for PG programmes in prestigious Universities like; TANUVAS, GADVASU, IVRI, NDRI besides Universities in USA. Even in undergraduate programme, few meritorious students of each Veterinary College were sent to USA under TATA Foundation sponsorship for externship training in Veterinary Clinical Subjects for a period of three months.

Faculty Credentials: The teachers, scientists and the officers of the University have received several recognitions and awards during this year. Several faculty of this University visited different countries during the year.

Library: The University has central library at Bidar and regional libraries at Bengaluru and Mangalore. Over 7000 books, 46 journals and 900 theses are available at library in head quarters. Over 12,000 books and 47 journals with 16,000 back volumes are available in Bengaluru and Mangalore campuses. All the libraries at Bengaluru, Bidar and Mangalore also have activated on-line access to 410 foreign journals with full length articles under CeRA consortium (ICAR).

Spacious library buildings both at the Head Quarters, Bidar and Regional Campus, Bengaluru have come up from where they are currently functioning.

RESEARCH :

The University has made substantial progress in research work keeping in view the University mandate. Presently, the University is operating 140 research projects worth of Rs. 10902.01 lakhs with funding support from Govt. of Karnataka, Department of Biotechnology / ICAR, Govt. of India, private agencies and internationally funded projects. During the year 2011-12, the 39 Research Projects have been completed worth of Rs. 327.205 lakhs. In addition to this, there are 101 Ongoing Research Projects worth of Rs. 10574.805 lakhs. This indicates, the University scientists are operating 140 Research Projects at a total cost of Rs. 10902.01 lakhs reflecting their commitment to research.

The University has established research and information stations at different regions of the state to undertake research and dissemination of information to the farmers on various aspects of livestock, poultry and fisheries. A total of 304 research articles have been published during the year by different faculty of the University in National / International Journals, Conferences, Symposium, Seminars, Workshops etc.

Various molecular diagnostic methods have been developed for early detection of bacterial and viral infection, such as Avian Mycoplasma, Canine Leptospirosis and Brucella infection in livestock. Various PCR



kits have been developed for detection of shrimp and fish viral diseases. A technology has been developed to produce protein rich extruded products using fish mince along with cereals. A technology has been developed for production of gelatin from fish skin, bones and airbladders of Indian Major Carps. The University has come out with various vaccines against several diseases of livestock and fish.

EXTENSION :

The University has a Directorate of Extension and Extension Education Centers at each campus, in addition to different departments of the Colleges to transfer the technology to the farmers engaged in animal husbandry, dairying and fish farming. Extension activities are rendered through farmers training, demonstrations, livestock, poultry and fish exhibitions, radio and television programmes, diagnosis and treatment of diseases of farm animals and publication of bulletins, folders and package of practices and books. The University organized joint "Livestock, Fisheries, Agriculture & Horticulture Mela-2011" during 28-30th December, 2011 at Bidar Campus in collaboration with University of Agricultural Sciences, Raichur and University of Horticultural Sciences, Bagalkot. In addition to this, the University has joined hands with Agriculture and Horticulture Universities for organizing large scale exhibitions at Bengaluru, Bagalkot, Raichur, Dharwad and Bidar.

Krishi Vignan Kendra: The University was successful in getting transferred the Krishi Vignan Kendra (KVK), Mangalore, Dakshin

Kannada from University of Agricultural Sciences, Bengaluru on 30-08-2011. Now, the KVK, Mangalore is totally under the administrative control of KVAFSU, Bidar.

The University has organized seven state level short-term training programmes to Officers of Dept. of AH & VS, one National training programme, two International Conferences and several trainings for farmers/self help groups. It also organized five field visits. The University has supplied over 1.0 lakh day old chicks, and 4000 birds to the farmers and generated 28.00 lakhs from the sale of eggs, chicks and birds and 18,000 from the sale of rabbits. Institute of Animal Health and Veterinary Biologicals produced 300 lakh doses of animal vaccines for supply to all the Veterinary hospitals of Karnataka for important diseases of livestock such as BQ, HS and Anthrax. Over 40 samples were received from Karnataka and neighboring states and screened for identification of disease outbreaks in livestock. Various constituent veterinary colleges have rendered service to the farmers by diagnosing and treating over 50,000 livestock for medical, surgical and gynaecological problems. Fisheries Research & Information Centers have supplied 13.20 lakhs cultivable fish seeds to more than 500 farmers and 45031 ornamental fish seeds to 995 people. Faculty of the various Colleges and Research Stations have delivered 57-Radio Talks and 41-TV Programmes for the benefit of farming community. In addition to the above, there are 04 books and 19 extension publications were brought out during the year.



List of Meetings of BOM, Sub-Committees of BOM and other important meetings *held* during 2011-12

SI No.	<i>Board of Management Meeting</i>	Date	Place
BOARD OF MANAGEMENT MEETINGS			
1	45 th Meeting of BOM	04-05-2011	Bidar
2	46 th Meeting of BOM	02-07-2011	Bidar
3	47 th Meeting of BOM	13-08-2011	Bidar
4	48 th Meeting of BOM	19-10-2011	Bidar
5	49 th Meeting of BOM	24-12-2011	Bengaluru
6	50 th Meeting of BOM	16-01-2012	Bidar
7	51 st Meeting of BOM	05-03-2012	Bengaluru
ACADEMIC COUNCIL			
1	14 th Meeting of Academic Council	16-06-2011	Bidar
2	15 th Meeting of Academic Council	15-01-2012	Bidar
PLANNING & WORKS COMMITTEE			
1	11 th Meeting of PWC	14-03-2011	Bidar
2	12 th Meeting of PWC	01-07-2011	Bidar
3	13 th Meeting of PWC	14-12-2011	Bidar
RESEARCH COUNCIL MEETING			
1	6 th Research Council Meeting	18-06-2011	Bidar
FARM DEVELOPMENT COMMITTEE MEETING			
1	4 th Farm Development Committee Meeting	05-01-2012	Bengaluru
EXTENSION EDUCATION COUNCIL MEETING			
1	6 th Extension Education Council	17-06-2011	Bidar
EXTENSION AND PUBLICITY COMMITTEE MEETING			
1	4 th Extension & Publicity Committee	05-01-2012	Bengaluru

5TH CONVOCATION OF KVAFSU

The 5th Convocation of the University was held on 17th January, 2012 at KVAFSU Campus, Nandinagar, Bidar, which is the Foundation Day of the University. Lt. General (Dr.) Narayan Mohanty, President, VCI, GOI, New Delhi was the Chief Guest. In his Convocation address, he appreciated the efforts of KVAFSU in imparting quality education, carrying out research and extension activities for the benefit of farming community.

Sri Revu Naik Belamagi, Hon'ble Minister for Animal Husbandry, Government of Karnataka & Pro-Chancellor of the University presented the degrees, medals and awards on behalf of the Chancellor of the University, His Excellency The Governor of Karnataka. The Hon'ble Minister presented degrees to 180 Undergraduate students, 63 Master degree students and 13 Ph.D. scholars. Out of which six Undergraduate students, seven Master students and three Doctorate students were awarded with Gold Medals instituted by the University/different organizations/individuals. Research Incentive Awards



were also presented to teachers/scientists/officers for procuring and operating extra mural major research projects as Principal Investigators.

Prof. Suresh, S. Honnappagol, Hon'ble Vice Chancellor, KVAFSU, welcoming the Chief Guest, Hon'ble Minister, dignitaries and the gathering, presented a brief report of activities carried out by the University in teaching, research and extension education during the past one year. Hon'ble Members of the Board of Management, KVAFSU, namely, Dr. S.M. Jayadevappa, Dr. Vishalaxi V. Kareddy, Dr. D.R. Nagesh, Prof. B. Prabhakar Hegde, Sri. T. Mukunda Varma, Sri K.C. Shankare Gowda & Sri Vasudeva Byndoar and Dr. S. Nagaraju, Registrar; Officers and Deans of the University, faculty, students, senior citizens of Bidar, invitees and guests were present during the occasion.

“JANUVARU, MATSYA, KRISHI & TOTAGARIKA MELA-2011” AT KVAFSU, BIDAR.

The Karnataka Veterinary, Animal & Fisheries Sciences University (KVAFSU), Bidar. University of Agricultural Sciences, Raichur and University of Horticultural Sciences, Bagalkot jointly organised a “Januvaru, Matsya, Krishi & Totagarika Mela - 2011” during December 28-30, 2011 at KVAFSU, Nandinagar Campus, Bidar for the benefit of farming community. The Fair (mela) was inaugurated by Shri. Revu Naik Belamagi, Hon'ble Minister for Animal Husbandry & Pro-Chancellor of the University and said that this type of melas will help the farming community for improving their livelihood. Prof. Suresh, S. Honnappagol, Hon'ble Vice-Chancellor presided over the inaugural Ceremony. Other dignitaries, viz., Suresh, S. Honnappagol, Vice-Chancellor, KVAFSU, Bidar, Dr. B.V. Patil, Hon'ble Vice Chancellor, UAS, Raichur, Dr. S.A. Patil, Hon'ble Chairman, Karnataka Krishi Mission, Hon'ble Members of Board of Management, KVAFSU and all the Officers of the University and farmers attended the inaugural Ceremony. Dr. K. N. Prabhudeva, Director of Extension, KVAFSU, Bidar was the Chairman of the mela. Five publications and a video documentary on integrated fish farming in Raichur District, brought out by the University, were released during the occasion.

In this mela 140 stalls were erected and displayed research and extension activities by different Agricultural Universities and State Departments, Bidar Zilla Panchayath namely, Fisheries, Animal Husbandry, Agriculture, KMF, Watershed Development and other Departments of the State, in addition to stalls organised by the KVAFSU. Further, a good number of stalls from private entrepreneurs and industries were also set up who had displayed their activities. More than 25,000 farmers attended the mela during these three days and got benefited. The mela was organised as a means of transfer of technology in Agriculture, Animal Husbandry, Dairy, Fisheries and other related areas. The main attraction of the mela was exhibition of different types and breeds of livestock namely cattle (Deoni, Khillar, Gir, etc.), buffaloes (Murra, Surti, Jafferbadi etc.), horses, camels, dogs, sheep, goat, rabbit and different types of poultry birds including some of the rare breeds, fodder crops and fishes namely, food fishes, ornamental fishes, etc. Technical Consultancy Cell was established in the mela to give technical guidance on different aspects of agriculture, aquaculture, fisheries and livestock farming and dairy science & technology for the benefit of farming community. Attractive dog skill show was also arranged on 29th for the benefit of



children, farmers and the general public.

Best Farmer Awards were presented to 13 outstanding farmers which included livestock as well as fish farmers selected from different districts of Karnataka. Besides, breed-wise best livestock animals were selected and prizes given away. The Overall 'Champion Animal' bagged 1st prize of Rs. 10,000/- and several other prizes were given away during the mela.

The Valedictory Function was held on 30-12-2011 evening. Prof. Suresh, S. Honnappagol, Hon'ble Vice-Chancellor, KVAFSU, presided over the function. Dr. K.N. Prabhudeva, Director of Extension & Chairman of Organizing Committee welcomed the dignitaries, guests and presented a brief report of the activities of the three day mela. Sri. H. S. Veerappa Gowda, Director of Fisheries, GOK was the Chief Guest. Dr. S. B. Dandin, Hon'ble Vice-Chancellor, University of Horticultural Sciences (UHS), Bagalkot, Dr. Hanchinal, Director of Extension, UAS, Raichur, Dr. Y. K. Kotekal, Director of Extension, UHS, Bagalkot, Dr. Vishalakshi Karaddi, Hon'ble Member, Board of Management, KVAFSU, Bidar, Sri. Allama Prabhu, Member, Board of Management, UAS, Raichur & MLC, Officers of KVAFSU, Bidar, staff and students of KVAFSU, Bidar and farmers were present.

The most important highlight of the mela was Farmers-to-Farmers interaction in the fields of dairying, fisheries, horticulture, agriculture, seed production, organic farming for all the three days in four sessions where more than 25 farmers shared their achievements among the fellow farmers.

The programme was well received by the farmers and public as per the feed back received from them. It was successful in creating awareness about integrated farming involving agriculture, animal husbandry and fisheries among the farmers as a source of livelihood security. The Fair was well covered in the media both in press and in electronic media (TV & Doordarshan).

Organizers of the Mela :

- * Karnataka Veterinary, Animal & Fisheries Sciences University (KVAFSU), Bidar,
- * University of Agricultural Sciences, Raichur and
- * University of Horticultural Sciences, Bagalkot,

Other Institutions / Agencies taken part in the mela

1. Department of Animal Husbandry & Veterinary Services, Bidar
2. Department of Agriculture, Bidar
3. Department of Fisheries, Bidar
4. Watershed Development Department, Bidar
5. Department of Horticulture, Bidar
6. Department of Sericulture, Bidar
7. Department of Agricultural Marketing, Gulbarga
8. Karnataka Milk Producers' Union (KMF), Bidar and Gulbarga
9. Zilla Panchayat (all Development Departments), Bidar
10. University of Agricultural Sciences, Dharwad
11. A large number of private organizations related to Organic Farming, Agricultural Implements, Animal Husbandry & Veterinary Equipments & Diagnostics, Feed & Fodder Companies; Fertilizer and Agro Industry Companies participated by setting up stalls in the mela.



Important Meetings Attended by Prof. Suresh, S. Honnappagol, Vice-Chancellor, KVAFSU, Bidar during the year 2011-12

01-04-2011	Chaired the review meeting IAVMI International Conference with chairmen of different committees; discussions with Animal Science Division Head regarding Integrated Farm system; Inaugurated SC-ST competitive exam coaching camp at Veterinary College, Bangalore.
11-04-2011	Participated in India-Denmark workshop on Genomic Selection in Cattle and Buffaloes; discussions with Assistant Director General (EDN) and Assistant Director General (EQR) regarding revalidation of SAU/MAUF grants; met the Director General of Military Training and discussed regarding raising of RVC units at University and collaboration with Dog training centre Merat.
12-04-2011	Attended workshop at NAS Complex; met the Secretary of IAUA and held discussions regarding Taiwan MOU and collaboration.
15-04-2011	Held discussions with Hon'ble Minister for Cooperation, Deputy Director Belgum, Assistant Director Athani and other local officers regarding foundation laying ceremony of Veterinary College Athani.
18-04-2011	Participated in ASRB Selection Board meeting; met President VCI; Animal Husbandry Commissioner, Deputy Director General (ASc) regarding Veterinary College Shimoga; held discussions with Director General-ICAR regarding KVVK Mangalore, Doranhalli and Athani; met Deputy Director General (Edn) and Assistant Director General (EQR) and discussed regarding grants for Second Girls Hostel, revalidation of Developmental grants and draft Accreditation of Self Study draft report.
20-04-2011	Chaired the review meeting of extramural grants and also Chaired the officers meeting.
26-04-2011	Participated in the Raita Samvada at Kuderu Village attended by Hon'ble MP, ZP President, Chief Executive Officer, Board Member, Deputy Director, Managing Director KMF and Director of Extension.
27-04-2011	Held discussions with Principal Secretary, Dept. of AH&F regarding University development activities.
28-04-2011	Participated in the counseling for Backlog Teaching Posts Recruitment.
29-04-2011	Chaired the Selection Committee meeting for interviewing candidates for various officer's post.
30-04-2011	Participated in the foundation laying ceremony of Veterinary College-Athani by Hon'ble Chief Minister at Koktnur village.
04-05-2011	Chaired the 45 th meeting of Board of Management.
05-05-2011	Held discussions with Principal Secretary, Dept. of AH&F regarding Act amendment and promotions to Non-teaching staff; met Principal Secretary to His Excellency and discussed regarding Backlog recruitments of Teachers & other matters.
07-05-2011	Participated in Integrated Farming System, Agri based Diploma and Enhanced Seed production programmes launched by the Hon'ble Chief Minister Govt. of Karnataka.
11-05-2011 To 16-05-2011	Journey to Lyon-France. Participated in the Second Global Conference at Lyon-France on Veterinary Education and involved in the discussions regarding Veterinary Education Scenario of the country. Visited Animal Resource Department of Dhoa and discussed regarding Birth control projects in cats.
23-05-2011	Participated in the National Workshop and Brain Storming Session for Creation of Veterinary Science faculty at Banaras Hindu University and discussions with Vice Chancellor BHU.
24-05-2011	Met President and Secretary, Veterinary Council of India; held discussions regarding the developments of Veterinary College Shimoga and apprised about the latest Status Report.

27-05-2011	Met the Deputy Commissioner and the Assistant Deputy Commissioner of Gadag and apprised about the arrangements made for the foundation laying ceremony of Veterinary College Gadag; held discussions with Hon'ble District Minister & MLA Gadag regarding Veterinary College and the projected works; participated in the press conference at Deputy Commissioner's office Gadag.
28-05-2011	Received the Hon'ble Chief Minister and participated in the Foundation laying Ceremony of Veterinary College Gadag. Visited Killar Cattle Farm, Bankapur, Haveri.
30-05-2011	Chaired the Annual Technical meet of Veterinary Science and held discussions with the Principal Secretary, Dept. of Animal Husbandry and Fisheries.
31-05-2011	Chaired the Annual Technical meet of IAH&VB, Poultry, Animal & Dairy Sciences with Director of Research and Director of Extension.
06-06-2011	Chaired the 14 th Academic Council meeting of the University.
08-06-2011	Participated in Agric Business MOU signing programme of Hon'ble Chief Minister; held discussions with Chairman, Karnataka Krishi Mission and Vice Chancellors of UAS-Raichur & UHSC-Bagalkote.
09-06-2011	Over International conference on "Emerging Animal Health for Better Livestock Production" under WTO reason; met Principal Secretary, Dept. of AH&F and held discussions regarding Veterinary College Shimoga & Hassan; participated in the proceedings of International Conference.
11-06-2011	Received the President, Veterinary Council of India, New Delhi and briefed him the development of Veterinary College Shimoga and the University activities. Participated in the valedictory function of IAVMI International Conference at Kannada Sabhangana; visit to Karnataka Veterinary Council & Bannerughatta Biological Park along with President Veterinary Council of India.
17-06-2011	Chaired 5 th Extension Education Council meeting; held discussed with the chairman Karnataka Krishi Mission, Govt. of Karnataka.
18-06-2011	Chaired 5 th Research Council Meeting.
20-06-2011	Participated in the Selection Board of Sri Venkateshwara Veterinary University officers post at Hyderabad and participated in the Altech ACR lecture series.
22-06-2011	Participated in the Industry-Institute linkage programme and rumen nutrition center with Altech officials.
23-06-2011	Participated in the Papers Laid Down Committee meeting along with Principal Secretary & the Commissioner of Animal Husbandry; met Hon'ble Minister & Pro Chancellor and briefed the developmental activities.
24-06-2011	Participating in the QRT meeting and held discussions with the Vice Chancellor UAS-Dharwad and Zonal Project Directorate, Zone VIII of ICAR.
27-06-2011	Participated in MOU signing with IKC at New Delhi for launching certificate courses to farmers and school dropouts in distance education mode; met President & Secretary Veterinary Council India and held discussions regarding Veterinary College Shimoga developments.
28-06-2011	Met Deputy Director General (EDN), Assistant Director General (EPD) of ICAR regarding developmental & Modernization of Agricultural University Farm Grants; met works division regarding grant support for construction of 2 nd Girls Hostel at College of Fisheries Mangalore; held discussions with National Director of Society for Integrated Postal Management of Ministry of Environment & Forest regarding Fisher Folk children education assistant scheme of capacity building in postal resolute management programme.
29-06-2011	Met Principal Secretary to HE and held discussions regarding the developmental activities of the University.



30-06-2011	Participated in the Animal Husbandry Extension Sub-Group meeting of Planning Commission; journey to Headquarters.
01-07-2011	Chaired the 9 th meeting of Planning and Works committee of the Board. Chaired the 19 th meeting of Finance Committee of the Board of Management.
02-07-2011	Chaired the 46 th meeting of Board of Management.
08-07-2011	Inaugurated National Workshop on Animal Husbandry Extension organized by the University in association with Indian Veterinary Extension forum; interaction with Assistant Director General (Extn), ICAR, New Delhi regarding new KVK's; attended review meeting of Hon'ble Chief Minister regarding developmental works at Hassan; held discussions with Deputy Commissioner-Hassan, Principal Secretary-Animal Husbandry & Fisheries Dept. and Commissioner Animal Husbandry regarding Hassan Veterinary College.
15-07-2011	Participated in a meeting under the Chairmanship of Additional Chief Secretary & Development Commissioner regarding establishment of Second Veterinary University at Southern Karnataka; called on His-Excellency the Governor and Chancellor along with nominated members.
17-07-2011	Inaugurated the International Workshop on Value addition to carp in collaboration with American Soyabean Association at Collage of Fisheries Mangalore.
24-07-2011	Received the Principal Secretary to Government Dept. of Animal Husbandry & Fisheries, briefed the activities of the University along with the officers of the University.
25-07-2011	Overviewed UG admission counseling through Video Confereneing simultaneously from Bidar and Bangalore.
26-07-2011	Overviewed UG admission counseling for agriculturist quota through Video Conferencing from Bidar and Bangalore.
28-07-2011	Met Principal Secretary, Dept. of AH&F and Finance Secretary regarding Animal Husbandry Polytechnic establishment; held discussion with president KVC and Liaison officer regarding Veterinary Colleges Shimoga & Hassan.
30-07-2011	Overviewed the second general counseling for B-Tech & BFSc Degree programmes.
05-08-2011	Met Principal Secretary, Animal Husbandry & Fisheries and discussed regarding VCI issue pertaining to Shimoga & Hassan Colleges.
06-08-2011	Participated in 45 th Convocation of University of Agricultural Sciences, Bangalore where in Her Excellency the President of India delivered the convocation address.
08-08-2011	Held discussions with Executive Engineer regarding arrangements for 47 th meeting of Board of Management; Head PPMC regarding para veterinary services; Dean, Veterinary College Bidar regarding UG admission.
10-08-2011	Attended the meeting at New Delhi under the Chairmanship of Secretary, Dept. of AH&F, Govt. of India along with Director General, ICAR, President Veterinary Council of India, Animal Husbandry Commissioner, Vice Chancellor TANVASU, Vice Chancellor GADVASU and Deputy Director General Animal Science & Education regarding Human resource requirement in Animal Husbandry & revision of VCI regulations; held discussions with President Veterinary Council of India regarding Shimoga & Hassan admission.
13-08-2011	Chaired the 47 th meeting of Board of management.
17-08-2011	Attended meeting under the Chairmanship of Principal Seeretary Dept. of AH&F regarding official issue of KVC registration at Bengaluru.
20-08-2011	Attended ICAR committee meeting at Hyderabad regarding Capacity Building under the Chairmanship of Vice Chancellor, Orissa Agricultural University along with Vice Chancellor Rajasthan Veterinary University, Vice Chancellor Jammer Agriculture University and Director NAARM-Hyderabad; journey to Bangalore.



15-09-2011	Held discussions with Principal Secretary- Dept. of AH&F regarding the Govt. order for interse selection and other matters along with Registrar at Bangalore.
16-09-2011	Participated in the counseling process for various teaching positions of Veterinary and Animal Sciences under Backlog recruitment drive.
19-09-2011	Participated in the Selection Committee proceedings for the recruitment of Professor, Associate Professor & Assistant Professor of Veterinary & Animal Science.
20-09-2011	Participated in the Selection Committee proceedings for the recruitment of Professor, Associate Professor & Assistant Professor of Veterinary & Animal Sciences.
21-09-2011	Participated in the Selection Committee proceedings for the recruitment of Professor, Associate Professor & Assistant Professor of Veterinary & Animal Sciences and overviewed arrangements made for the PG admission counseling of 2011-12.
22-09-2011	Participated in the Selection Committee proceedings for the recruitment of Professor, Associate Professor & Assistant Professor of Veterinary & Animal Sciences.
23-09-2011	Participated in the Selection Committee proceedings for the recruitment of Professor, Associate Professor & Assistant Professor of Veterinary & Animal Sciences.
24-09-2011	Participated in the Selection Committee proceedings for the recruitment of Assistant Professor of Fishery Sciences.
25-09-2011	Participated in the Selection Committee proceedings for the recruitment of Assistant Professor of Dairy Science, Agronomy & Physical Education.
26-09-2011	Participated in the Special meeting of Vice Chancellors at ICAR New Delhi and presented the Agenda of the University.
27-09-2011	
03-10-2011	Chaired the Deputation Committee meeting and discussions with Registrar, Comptroller regarding sub committees and 48 th meeting of Board of Management.
04-10-2011	Meeting with the Editorial Board of the proposed university journal and discussions with the Executive Engineer regarding second phase of Veterinary College Shimoga main building work.
07-10-2011	Participated in the Legislative Council Assurance Committee meeting along with the Principal Secretary, Dept. of AH&F and other officers.
13-10-2011	Discussions with the Director of Extension regarding Livestock Mela 2011; meeting with the Dean and Clinical Heads of Department regarding establishment of critical care unit under ICAR grants.
19-10-2011	Chaired the 48 th meeting of Board of Management
23-10-2011	Meeting with Assistant Director of General Education Division of ICAR, Vice Chancellor, University of Horticultural Sciences-Bagalkot and interaction with officers and faculty of the university; visited different facilities of the campus along with the Assistant Director of General Education Division of ICAR.
02-11-2011	Participated in the Second Quarterly meeting of Nodal officers of SRDDL from Karnataka, Kerala, Andhra Pradesh, Tamilnadu and Pondicherry; addressed the SRDDL Nodal officers of Department of Animal Husbandry & Dairying Govt. of Pondicherry.
04-11-2011	Attended two days workshop on "Livestock Delivery Systems" at Rajiv Gandhi College of Veterinary Sciences Pondicherry along with the Vice Chancellor, Sri Venkateshwara Veterinary University, Tirupathi.
05-11-2011	Visit to Tamilnadu Veterinary University Training and Research Center Trichy, Thanjavur, Pudukkottai and KVK.
06-11-2011	Visit to Tamilnadu Veterinary University Training and Research Center Madurai, Tirunelveli and Nagercoil.
08-11-2011	Participated as Guest of Honor in the First All India Veterinary Universities Sports and Games meet at TANVASU, Chennai.



12-11-2011	Presided over the ORGCON-2011 at Alumni Center and National Conference on "Organic Meet, Poultry & Fish Value Chain"; review meeting regarding Animal Husbandry Diploma along with Liaison Officer, Principal and Farm Superintendent.
21-11-2011	Presided over the DAA-8 International Conference at College of Fisheries Mangalore; participated in the scientific proceedings of the conference.
25-11-2011	Participated in the ICAR-CABI consultative meeting on "Strengthening of Veterinary Profession in India" at NAS Complex, New Delhi.
26-11-2011	Presented view points at the ICAR-CABI consultative meeting.
01-12-2011	Inaugurated one day workshop on "Assisted Reproductive Technologies" Participated in the 7 th inter collegiate Sports and Games meet inauguration at Regional Campus Bangalore; held interactive discussions on OVAL-Opening Veterinary Access to Literature along with delegates from Royal Veterinary College, London, CABI, Dean and Faculty; participated in Global Agricultural Industries and Food Processing Summit.
02-12-2011	Discussions with Liaison Officer and Head Division of Animal Sciences regarding arrangements made for Animal Husbandry Polytechnic; discussions with empanelled advocate regarding legal issues of the University; discussion with the Principal Secretary, Dept. of AH&F regarding Veterinary College Athani and other developmental issues.
03-12-2011	Participated in the district review meeting under the Chairmanship of Hon'ble Chief Minister at Zilla Panchayat, Bidar.
06-12-2011	Attended a meeting regarding Bidar package at Tadola village along with the Chairman, Karnataka Krishi Mission, Vice Chancellor, UAS, Raichur, Director of Research and Dean.
08-12-2011	Participated in a meeting at University of Agricultural Sciences, Bangalore regarding Diploma & Certificate Courses along with the Chairman Karnataka Krishi Mission and Vice Chancellor, UAS, Bangalore; inaugurated three days WETLAB skill up gradation training on "Reproductive Disorders" at ARGO Department. Veterinary College, Bangalore.
13-12-2011	Chaired the 13 th meeting of Planning & Works Committee meeting.
14-12-2011	Chaired the 28 th meeting of Finance Committee of the Board.
18-12-2011	Attended the KARUNA Trust for National Progress Annual Convention and received the KARUNA-2011 Award along with the Director General-ICAR, New Delhi, Vice Chancellor, University of Agricultural Sciences-Bangalore at NIANP Campus; participated in the discussion on dry land agriculture along with the Director General-ICAR New Delhi, Vice Chancellor, UAS, Bangalore and other officers.
23-12-2011	Participated in the meeting at Karnataka Krishi Mission along with the Vice Chancellor, UAS-Raichur regarding Bidar package for agriculture; discussions with the Principal Secretary, Dept. of AH&F regarding developmental activities of the university; participated in the live phone in programme of Doordarshan along with the Director of Extension regarding Januvaru Mela.
24-12-2011	Chaired the 49 th meeting of Board of Management.
26-12-2011	Addressed the press meet regarding Januvaru Mela.Chaired the final review meeting of different committees constituted for Januvaru Mela arrangements; went round the Mela ground along with officers of the university to overview the arrangements being made.
27-12-2011	Inaugurated the International Year of Chemistry-2011 celebration organized by the Vision Group on Science & Technology and Karnataka Science College, Bidar; held discussions with the Board of Management Members regarding Januvaru Mela organization.



28-12-2011	Participated in the Januvaru Mela inaugural function attended by the Hon'ble Minister for Animal Husbandry, Chairman, Karnataka Krishi Mission, Vice Chancellor, UAS, Raichur and Board Members of the two universities. Held discussions with the Hon'ble Minister for Animal Husbandry along with Board of Management members regarding developmental activities; participated in the Farmer's interaction programme; went round all the stalls of the Mela along with Hon'ble Minister for Animal Husbandry and other dignitaries.
29-12-2011	Inaugurated the Dog Show along with the Deputy Superintendent of Police, Bidar. Chaired the Gold Medal Committee and review meeting of ICAR and RKVY Grants along with the Deans, Comptroller, Executive Engineer and Research Station Heads.
30-12-2011	Presided over the valedictory function of Mela along with the Vice Chancellor, University of Horticulture Sciences, Bagalkot and other dignitaries.
31-12-2011	Chaired the thanks giving meeting to all the committee members for the success of Mela.
04-01-2011	Participated in Krishi Chintana Shibira at Kudal Sangama and addressed the farmers.
05-01-2011	Visited Killar Cattle Breeding Station, Bankapur and went round the farm along with Liaison officer, Executive Engineer and Farm Superintendent in connection with starting of Animal Husbandry Polytechnic.
09-01-2010	Met His-Excellency the Governor and Chancellor of the University and extended the invitation of Fifth Convocation along with Board of Management Members.
12-01-2011	Finalized the action taken report of the 49 th meeting of Board of management; participated as chief guest of Guru Nanak Public School function along with the Vice Chancellor, Gulbarga University.
15-01-2011	Chaired the 15 th meeting of Academic Council and overviewed the arrangements made for the Fifth Convocation.
16-01-2011	Addressed the press meet on the eve of Fifth Convocation; chaired the 50 th meeting Board of Management; participated in the rehearsal programme for Fifth Convocation received the Chief Guest Lt. Gen. (Dr.) Narayan Mohanthy, President, Veterinary Council of India.
17-01-2011	Participated in the Fifth Convocation of the University and welcomed the gathering; participated in the inaugural function of Museum building attended by the Hon'ble Minister for Animal Husbandry, Chief Guest and Board of Management Members.
18-01-2011	Finalized the proceedings of 15 th meeting of Academic Council and 50 th meeting of Board of Management.
20-01-2011	Chaired the meeting with TATA strategic group along with Dean Bangalore and other Clinical faculty regarding establishment of high-tech PET super specialty hospital; met Principal Secretary, Dept. of AH&F along with Dean, Veterinary College Hassan and briefed about the progress of Hassan Veterinary College and Animal husbandry Polytechnic; interactive meeting with office bearers of CARTMAN, Dean(Vety) Bangalore, Liaison Officer and Head LPT regarding conduct of animal Welfare Training, Workshop & Seminar etc.
21-01-2011	Inaugurated the VIII Annual Symposium "Fertility for Rural Economic Sustainability" of ISSAR Karnataka Chapter at Hessarghatta. Chaired the panel discussions along with the Director, Dept. of Animal Husbandry & Veterinary Services.
22-01-2011	Inaugurated the 96 th & 97 th All India Championship Dog Show of Mysore Kennel Club at the Regional Campus Grounds Bangalore.
23-01-2011	Participated in the Krishi Mela at Suttur and addressed the farmers at the workshop on "Animal Wealth & Agriculture."
25-01-2011	Interactive meeting with M/s Veerbac officials along with Director-IAH&VB regarding possible collaboration; visited the Dorper Sheep farm at Bannerghatta along with Director-IAH&VB.



29-01-2011	Participated in the Agriculture Workshop at Hulsur addressed the farmers and received the "Kalyanshree" award.
09-02-2010	Met the Principal Secretary, Dept. of AH&F and briefed the activities & progress of the University.
14-02-2011	Attended the pre-budget review meeting under the Chairmanship of Hon'ble Minister for Animal Husbandry, GOK and Regional office works.
15-02-2011	Participated in the Vice Chancellor's Conference at NASA Complex of ICAR, New Delhi.
16-02-2011	Participated in ICAR Agri Universities Vice Chancellor's Conference at New Delhi.
17-02-2011	Participated in ICAR Agri Universities Vice Chancellor's Conference at New Delhi.
21-02-2011	Addressed the officers, Physical Education faculty and Students Sports Team on their achievement at 6 th position in the All India AU Sports summit held at PDKV-Ankola; attended negotiation committee meeting.
22-02-2011	Participated in the meeting related to Integrated Agricultural Development for Bidar at Agricultural Secretariat, M.S. Building, Bangalore.
28-02-2011	Discussions with the Registrar regarding conduct of 51 st meeting of Board of Management and interview for the Registrar post.
29-02-2011	Chaired the meeting of Agri Uni Sport 2012-13 involving the local officers of the University; participated in the valedictory function of training programme on "Advances in diagnosis and Treatment of Diseases of Livestock" and addressed the trainee officers.
01-03-2012	Held preliminary discussions with the Principal Secretary, Dept. of AH&F regarding Budget Proposals of the University for 2012-13; participated in the meeting chaired by the Hon'ble Chief Minister regarding the Pre-Budget discussion of the University.
03-03-2012	Chaired the Selection Committee meeting for the Registrar post.
05-03-2012	Chaired the 51 st meeting of the Board of Management.
15-03-2012	Reviewed the annual technical meet activities of Research and extension pertaining to Veterinary, Animal and Poultry Sciences of Veterinary College Bangalore, IAH&VB and LRIC-Konehalli & Nagamangala.
16-03-2012	Chaired the annual technical meet and reviewed the research and extension activities of Diary Science College faculty; inaugurated the multi-Gym facility to the students of Veterinary College Bangalore. Held interactive meeting with the Director of Research, Director of Extension & Dean Veterinary, Head of the Division (ASc), Head of the Division (PSc) & Head of the Dept. of Animal Husbandry Extension regarding integrated livestock poultry and fishery based activities.
17-03-2012	Chaired the annual technical meet and reviewed the Research & Extension activities of the Fisheries Science faculty Mangalore; FRIC-Bhutnal, Hebbal, Hessarghatta & Ankola; reviewed the progress of NAIP and AICRP projects of College of Fisheries Mangalore.
24-03-2012	Participated in the meeting of CGIAR Institutes, Vice Chancellor's, Principal Secretaries' and the Commissioners under the chairmanship of Chief Secretary GOK at Bangalore.
27-03-2012	Visit to CRIC-Thimmapur and reviewed the activities; participated in the Krishi Mela at Mantur; inaugurated the Januvaru Mela and addressed the farmers.
31-03-2012	Chaired the 21 st meeting of Finance Committee at the Board room; held interaction meeting with Board of Management members, officers, Executive Engineer, Assistant Executive Engineer and Architects regarding the girls hostel of the Dairy Science College-Mahagao; visited Mahagao campus along with the Board of Management Members.



II) EDUCATION (Teaching)

Karnataka Veterinary, Animal and Fisheries Sciences University, Bidar offers undergraduate, postgraduate and Ph.D., degree programme in Veterinary, Dairy and Fisheries Sciences. The University presently has four Veterinary Colleges each one at Bidar, Bengaluru, Shivamogga and Hassan and two Dairy Science Colleges at Bengaluru and Gulbarga and one Fisheries College located at Mangalore. In addition to these a two year Diploma in Animal Husbandry has been commenced at Animal Husbandry Polytechnic, Konehalli, Tiptur from 2011-12 onwards.)

1) Institutions

#	<i>Teaching Institute with Location</i>	<i>Year of Establishment</i>	<i>Head of the Institute</i>	<i>Degree Programmes Offered</i>
1	Veterinary College, Hebbal, Bengaluru	1958	Dr. S. Yathiraj Dean	B.V.Sc. & A.H. M.V.Sc. Ph.D.
2	Veterinary College, Bidar	1984	Dr. S. M. Usturge Dean	B.V.Sc. & A.H. M.V.Sc. Ph.D.
3	Veterinary College, Shivamogga	2006	Dr. M. Devaraj Dean	B.V.Sc. & A.H.
4	Veterinary College, Hassan	2007	Dr. M.S. Vasanth Dean	B.V.Sc. & A.H.
5	Dairy Science College, Hebbal, Bengaluru	1980	Dr. B.V. Venkateshaiah Dean	B.Tech. (D.Tech) M.Tech. (Dairy Science) PG Diploma Programme in MBA in Food & Dairy Business
6	Dairy Science College, Gulbarga	2008	Dr. L. Mahalingaiah OSD	B.Tech. (D.Tech)
7	College of Fisheries, Mangalore	1969	Dr. K. M. Shankar Dean	B.F.Sc. M.F.Sc. Ph.D.
8	Institute of Wildlife Veterinary Research, Doddaluvara, Kodagu	2007	Dr. M. Narayana Bhat Director	M.V.Sc. (Wildlife) started at Veterinary College, Hebbal on behalf of IWVR, Kudige
9	Animal Husbandry Polytechnic, Konehally, Tiptur	2011	Dr. H. K. Siddalingamurthy Principal	Animal Husbandry Diploma

2) No. of Students admitted/on roll (Undergraduate programme)

Sl. No.	<i>Degree Programme</i>	<i>Year</i>					<i>No. Passed out</i>	<i>College / Institute</i>
		I	II	III	IV	V		
1	B.V.Sc. & A.H.	78	71	93	60	55	76	Veterinary College, Hebbal, Bengaluru



2	B.V.Sc. & A.H.	65	54	63	48	55	53	Veterinary College, Bidar
3	B.V.Sc. & A.H.	48	49	40+ 1	8	30	19	Veterinary College, Shivamogga
4	B.V.Sc. & A.H.	50	41	39	4	23	Nil	Veterinary College, Hassan
5	B.Tech. (D.Tech)	38	37	35	27	-	24	Dairy Science College, Hebbal, Bengaluru
6	B.Tech. (D.Tech)	17	17	14	09	-	Nil	Dairy Science College, Gulbarga
7	B.F.Sc.	45	40	43	20	-	14	College of Fisheries, Mangalore
8	Animal Husbandry Diploma	45	-	-	-	-	Nil	Livestock Research & Information Center, Konehalli, Tiptur

3) No. of Students admitted (Postgraduate Programme and Ph.D.)

#	Department	Masters Degree		Ph.D.	
		On roll	Completed	On roll	Completed
		2011-12		2011-12	
Veterinary College, Hebbal, Bengaluru					
1.	Vety. Anatomy & Histology	2	2	4	-
2.	Vety. & A H Extension Education	5	-	-	-
3.	Vety. Physiology	08	02	01	-
4.	Vety. Biochemistry	02	-	-	-
5.	Vety. Microbiology	10	03	11	02
6.	Vety. Parasitology	02	01	-	01
7.	Vety. Pathology	07	03	11	03
8.	Vety. Pharmacology & Toxicology	05	05	06	01
9.	Vety. Public Health	-	-	-	-
10.	Vety. Gynaecology & Obstetrics	11	03	01	02
11.	Vety. Medicine	02	02	03	-
12.	Vety. Surgery & Radiology	08	03	03	-
13.	Animal Genetics & Breeding	04	01	05	03
14.	Animal Nutrition	03	-	02	-
15.	Livestock Production & Management	02	03	03	-
16.	Livestock Products Technology	05	03	-	-
17.	Poultry Science	05	04	05	-
18	Wild Life	10	-	-	-



Veterinary College, Bidar

1	Vety. Surgery & Radiology	08	02	02	-
2	Vety. Gynecology & Obstetrics	05	01	-	-
3	Animal Genetics Breeding	03	01	-	-
4	Vety. & Animal Husbandry Extension Education	-	02	-	-
5	Vety. Anatomy & Histology	02	-	-	-
6	Vety. Medicine	06	-	-	-
7	Vety. Microbiology	02	-	01	-
8	Animal Nutrition	02	-	-	-

Dairy Science College, Hebbal, Bengaluru

1	Dairy Chemistry	03	01	01	-
2	Dairy Microbiology	01	03	-	-
3	Dairy Technology	11	05	02	02
4	I Year M.B.A. Programme	15	15	-	-
5	II Year M.B.A. Programme	15	16	-	-

College of Fisheries, Mangalore

1.	Aquaculture	8	3	9	1
2.	Aquatic Environment Management	1	3	2	-
3.	Fisheries Microbiology	3	3	5	-
4.	Fish Processing Technology	5	1	5	-
5.	Fisheries Resources and Management	5	3	3	-
6.	Fisheries Engineering and Technology	1	-	-	-

Institute of Wildlife Veterinary Research, Kudige, Kodagu

1	M.V.Sc. (Wildlife)	13	-	-	-
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4) Academic Excellence

(i) Scholarships / Fellowships received

Undergraduate

Veterinary Science

#	Scholarship / Fellowship	B.V.Sc. & A. H.					Total
		I Year	II Year	III Year	IV Year	V Year	
General Scholarship							
1	Veterinary College, Bengaluru	6	6	8	5	4	29
2	Veterinary College, Bidar	7	6	4	-	6	23
3	Veterinary College, Shivamogga	2	6	5	1	3	17
4	Veterinary College, Hassan	6	5	5	-	3	19



Merit Scholarship						
1	Veterinary College, Bengaluru	2	2	2	2	10
2	Veterinary College, Bidar	2	2	2	2	10
3	Veterinary College, Shivamogga	2	2	2	2	10
4	Veterinary College, Hassan	2	2	2	-	8
National Talent Scholarship (NTS)						
1	Veterinary College, Bengaluru	7	2	2	4	19
2	Veterinary College, Bidar	-	7	1	5	7
Neomec Project Shiksha						
1	Veterinary College, Bengaluru	2	-	-	-	2
2	Veterinary College, Bidar	-	-	1	1	-
Student Aid Fund Scholarship						
1	Veterinary College, Bidar	-	-	1	-	1
Fee Concession						
1	Veterinary College, Bidar	2	7	3	-	13
BCM Scholarship						
2	Veterinary College, Shivamogga	15	11	10	-	2
3	Veterinary College, Hassan	12	1	10	2	-
GOI Scholarship						
1	Veterinary College, Shivamogga	5	2	6	1	6
2	Veterinary College, Hassan	5	5	2	-	3
MHRD Scholarship						
1	Veterinary College, Hassan	-	5	-	-	5
Jindal Scholarship						
1	Veterinary College, Bidar	4	6	3	2	-
2	Veterinary College, Shivamogga	5	-	3	-	8
EBL from BCM Scholarship						
1	Veterinary College, Shivamogga	1	8	8	1	9
Merit-cum-Means Scholarship						
2	Veterinary College, Shivamogga	-	-	1	-	2
Total		87	85	81	28	58
						339

Dairy Sciences

#	Scholarship / Fellowship	B.Tech (D.Tech)				Total
		I Year	II Year	III Year	IV Year	
General Scholarship						
1	Dairy Science College, Hebbal	5	5	4	3	17
Merit Scholarship						
1	Dairy Science College, Hebbal	2	2	2	2	8
2	Dairy Science College, Gulbarga	2	2	2	2	8



National Talent Scholarship						
1	Dairy Science College, Hebbal	2	3	2	2	9
Student Aid Fund Scholarship						
1	Dairy Science College, Hebbal	1	-	-	-	1
Fees Concession						
1	Dairy Science College, Hebbal	12	9	11	3	35
GOI Scholarship						
1	Dairy Science College, Gulbarga	5	-	1	-	6
	Total	29	21	22	12	84

Fisheries Sciences

#	Scholarship / Fellowship	B.F.Sc.				Total
		I Year	II Year	III Year	IV Year	
College of Fisheries, Mangalore						
1	General Scholarship	-	3	-	-	3
2	Merit Scholarship	2	2	2	2	8
3	National Talent Scholarship	3	3	1	3	10
4	Merit-cum-Means Scholarship	-	-	2	-	2
5	Jindal Scholarship	-	-	-	1	1
6	Fee Concession	20	13	19	2	54
7	ELB Scholarship	4	4	1	2	11
8	GOI Scholarship	3	5	1	2	11
	Total	32	30	26	12	100

Abstract of Undergraduates Scholarships

#	Scholarship	Faculty							Total
		Veterinary				Dairy		Fisheries	
		VCH	VCB	VCS	HVC	DSCH	DSCG	FCM	
1	General Scholarship	29	23	17	19	17	-	3	108
2	Merit Scholarship	10	10	10	8	8	8	8	062
3	National Talent Scholarship (NTS)	19	20	-	-	9	-	10	058
4	Neomec Project Shiksha	2	2	-	-	-	-	-	004
5	Student Aid Fund Scholarship	-	1	-	-	1	-	-	002
6	Fee Concession	-	13	-	-	35	-	54	102
7	BCM Scholarship	-	-	38	25	-	-	-	063
8	GOI Scholarship	-	-	20	15	-	6	11	052
9	MHRD Scholarship	-	-	-	5	-	-	-	005
10	Jindal Scholarship	-	15	8	-	-	-	1	024
11	EBL from BCM Scholarship	-	-	27	-	-	-	11	038
12	Merit-cum-Means Scholarship	-	-	3	-	-	-	2	005
	Total	60	84	123	72	70	14	100	523



Postgraduate

Veterinary Sciences

#	Scholarship / Fellowship	Jr. M.V.Sc.	Sr. M.V.Sc.	I Ph.D.	II Ph.D.	III Ph.D.	Total
Merit Scholarship							
1	Veterinary College, Bengaluru	16	8	5	1	1	31
2	Veterinary College, Bidar	5	3	1	-	-	9
Student Aid Scholarship							
1	Veterinary College, Bidar	1	-	-	-	-	1
ZAK Student Assistance ship							
1	Institute of Wildlife Veterinary Research, Kudige, Kodagu	-	3	-	-	-	3
Total		22	14	6	1	1	44

Dairy Sciences

#	Scholarship / Fellowship	PG		Doctoral Degree			Total
		Jr. M.Tech.	Sr. M.Tech.	I Ph.D.	II Ph.D.	III Ph.D.	
Dairy Science College, Hebbal, Bengaluru							
1	Research Fellowship	1	1	-	-	-	2
2	Merit Scholarship	3	1	1	-	2	7
Total		4	2	1	-	2	9

Fisheries Sciences

#	Scholarship / Fellowship	Jr. M.F.Sc.	Sr. M.F.Sc.	I Ph.D.	II Ph.D.	III Ph.D.	Total
College of Fisheries, Mangalore							
1	Merit Scholarship	2	1	3	-	-	6
2	CSIR Fellowship	-	-	-	1	-	1
3	Fee Concession	1	-	1	-	-	2
4	Any other (Inspire+Rajiv Gandhi)	-	-	-	3	-	3
Total		3	1	4	4	-	13

Abstract of Postgraduates Scholarships

#	Particulars	Faculty								Total	
		Veterinary/Animal				Dairy		Fisheries			
		VCH		VCB		DSCH		FCM			
		MVS	Ph.D	MVS	Ph.D	M.Tec	Ph.D	MFS	Ph.D		
1	Merit Scholarship	24	7	8	1	4	3	3	3	71	
2	Student Aid Scholarship	-	-	1	-	-	-	-	-	1	
3	Research Fellowship	-	-	-	-	2	-	-	-	2	



4	CSIR Fellowship	-	-	-	-	-	-	-	1	1
5	Fee Concession	-	-	-	-	-	-	1	1	2
6	Any Other (Inspire+Rajiv Gandhi)	-	-	-	-	-	-	-	3	3
7	ZAK Student Assistancehip	3	-	-	-	-	-	-	-	3
	Total	27	7	9	1	6	3	4	8	65

(ii) UG Gold Medals Awarded

Sl. No	ID. No.	Name	Medals/Awards	OGPA
Veterinary College, Hebbal, Bengaluru				
1.	VHK-563	Sukesh S.	1. Dr. G. Chandrashekhar Rao Gold Medal	-
2.	VHK-608	Bharath Kumar M.L.	1. University Gold Medal	8.50
			2. Dr. R.D. Nanjaiah Memorial (MSJ)-Vet. Anat, Micro. & Pub. Health.)	8.36
			3. Dr. R.D. Nanjaiah Memorial (BSK)- (Overall)	8.50
			4. Dr. B.L. Pradeep Memorial-(Gyn.&Obst.)	8.34
			5. Dr. Syed Mohideen Memorial (Pathology)	8.74
			6. The Lion's International District 304-S- (Overall)	8.50
			7. Sri. R. Gundu Rao- F.M. Khan Gold Medal-(O)	8.50
			8. Karnataka Veterinary Association Gold Medal (O)	8.50
			9. Smt. B. Hosahalli Gullamma Gold Medal (Overall)	8.50
Veterinary College, Bidar				
1	VNK-605	Anupam Surey	1. University Gold Medal	8.15
			2. Dr. D.N. Vasudeva Memorial (Clinical Subject)	8.67
			3. Dr. B.L. Pradeep Memorial (Vety. Clinical)	8.72
			4. Prof. S.M. Jayadevappa (VSR)	9.10
			5. Dr. K.Y. Jagannath Gold Medal (Clinical Subject)	8.67
			6. Dr. R.V. Patil Memorial Gold Medal (Overall)	8.15
2	VNK-631	Ragunath Reddy	1. Dr. K.R. Alur Gold Medal (Anatomy)	7.61
Veterinary College, Shivamogga				
1	VSK-606	Karthik, Y.A.	1. University Gold Medal	8.21
			2. Dr. R.F. Patil Memorial (Vety. Micro.)	8.45
			3. Smt. & Sri. M.M. Wadeyar (Animal Science)	8.84
			4. Dr. D.M. Karegowda Memorial Gold Medal (Clinical Vet. Medicine Subject)	9.07
College of Fisheries, Mangalore				
1	FK-712	Raushan Kumar	1. University Gold Medal	8.52
			2. Mr. R.N. Ramachandra Memorial Gold Medal	
			3. Dr. K.V. Devraj Ex-Vice-Chancellor Gold Medal	



(iii) PG Gold Medals Awarded

(a) Masters Degree

#	ID. No.	Name	Department	Medals/Awards	OGPA
Veterinary College, Hebbal, Bengaluru					
1	MVHK 929	Nagpure Prasad Subhashrao	Animal Nutrition	University Gold Medal	9.08
2	MVHK 907	Santhosh Kumar, C.N.	Veterinary Pharmacology & Toxicology	University Gold Medal	9.19
3	MVHK 927	Stanzin Thakchos	Veterinary Gynaecology & Obstetrics	University Gold Medal Smt. Saraswati Gurupadappa Nagamarpalli Memorial	9.00 9.00
4	MVHK 912	Anaxee Barman	Veterinary Physiology	University Gold Medal	9.22
5	MVHK 908	Pragathi, B.S.	Veterinary Pathology	University Gold Medal Sivaramakrishnier Ramachandran & Dr. Sakkubai Paturi Ramachandran Gold Medal	9.33 9.33
6	MVHK 921	Vishwanatha B.	Veterinary Surgery & Radiology	University Gold Medal Prof. S.M. Jayadevappa Gold Medal Prof. B.N. Ranganath Gold Medal	9.00 9.00 9.00
7	MVHK 931	Anil Kumar Ganga Reddi	Livestock Production & Management	University Gold Medal	9.15
8	MVHK 919	Nethra R.	Veterinary Medicine	University Gold Medal	9.04
9				Smt. S.K. Sowmyanayakamma Gold Medal	9.04
10	MVHK 933	Dechamma, K.P	Livestock Product Technology	University Gold Medal	9.18
11	MVHK 938	Sudhir, B. Naik	Poultry Science	University Gold Medal. Dr. B.V.Rao Venkateshwara Hatcheries Ltd., Gold Medal H. Sanjeevappa Gold Medal John.L.Sebastian Gold Medal	9.03 9.03 9.03 9.03
Veterinary College, Bidar					
1	MVNK-904	Azharuddin	Animal Genetic & Breeding	University Gold Medal	9.06
2	MVNK-907	Praveena	V&AH Extension	University Gold Medal	9.16
Dairy Science College, Hebbal, Bengaluru					
1	MDK-903	Priyanka Malik	Dairy Chemistry	University Gold Medal	9.15
2	MDK-906	Rashmi, K.G	Dairy Technology	University Gold Medal	9.14



(b) Doctoral Degree

#	ID. No.	Name	Department	Medals/Awards	OGPA
Veterinary College, Hebbal, Bengaluru					
1	DVHK 801	Pavithra, B.H.	Veterinary Pharmacology & Toxicology	University Gold Medal	9.27
2	DVHK 906	Raveendra Hegde	Veterinary Microbiology	University Gold Medal	9.23
3	DVHK 804	Uma, S	Veterinary Pathology	University Gold Medal	9.15

5) Academic Research (Postgraduate Research)

Sl. No.	Thesis Title	Name of the Student	Degree	Major Advisor and Dept.
Veterinary College, Hebbal, Bengaluru				
1.	Immunohistochemical and <i>in-vitro</i> studies on the role of BMP-2 on buffalo ovarian follicular function	Mr. Vinodkumar Divatar	Master	Dr. R.V. Prasad Vety. Anatomy & Histology
2.	Immunohistochemical and <i>in-vitro</i> studies on stage dependent FAS mediated apoptosis in ovarian follicles of buffalo (<i>Bubalus bubalis</i>)	Ms. Rahila Gulzar	Master	Dr. K.V. Jamuna Vety. Anatomy & Histology
3.	Studies on the effect of cow urine on thyroid status in rats	Ms. Anaxee Barman	Master	Dr. M. Narayana Swamy Vety. Physiology
4.	Studies on the effects of pregnant cows urine on reproductive status in female rats	Ms. Kruthika P.R.	Master	Dr. T. Veena Vety. Physiology
5.	Toxicity studies of <i>Sapindus laurifolius</i> leaves in rats	Mr. Santosh Kumar C.N.	Master	Dr. N.B. Shridhar Vety. Pharmacology & Toxicology
6.	Toxicity studies of <i>hevea brasiliensis</i> leaves in rats	Mr. Ravikumar K.P.	Master	Dr. N.B. Shridhar Vety. Pharmacology & Toxicology
7.	Pharmacological and toxicological evaluation of cow urine distillate in rats	Mr. Mahesh Kadagi	Master	Dr. K. Jayakumar Vety. Pharmacology & Toxicology
8.	Experimental studies of a silk protein coated film, A wound healing agent in laboratory animals	Mr. Manohar C.	Master	Dr. K. Jayakumar Vety. Pharmacology & Toxicology
9.	Study of anticancerous property of <i>Aseracantha longifolia</i> in rats	Ms. Nair Dhanya Venugopalan	Master	Dr. K. Jayakumar Vety. Pharmacology & Toxicology
10	Studies on tissue distribution of halquinol following dietary inclusion in chickens and establishment of withdrawal period for meat	Ms. Pavithra B.H.	Ph.D.	Dr. K. Jayakumar Vety. Pharmacology & Toxicology



11.	Determination of virulence factors of major streptococci isolated from bovine mastitis	Ms. Krishnaveni N.	Master	Dr. Shrikrishna Isloor Veterinary Microbiology
12.	Isolation and molecular characterization of infectious bovine rhinotracheitis virus	Mr. Ranganatha S.	Master	Dr. D. Rathnamma Vety. Microbiology
13.	Molecular characterization of Marek's disease virus from chicken	Ms. Roopa Kadasani	Master	Dr. B.M. Veeregowda Vety. Microbiology
14.	Rapid identification of bacterial pathogens causing subclinical bovine mastitis with special reference to <i>Staphylococcus aureus</i> , <i>Escherichia coli</i> and predominant Streptococcal species by molecular methods.	Mr. Raveendra Hegde	Ph.D.	Dr. Shrikrishna Isloor Vety. Microbiology
15.	Evaluation of bivalent HVT+SB-1 Marek's disease vaccine in chicken	Mr. T.S. Sridhara Murthy	Ph.D.	Dr. B.M. Veeregowda Vety. Microbiology
16.	Anthelmintic resistance to gastrointestinal nematodes in sheep	Mr. Kumar S.C.	Master	Dr. C. Renukaprasad Vety. Parasitology
17.	Immunological and molecular studies on schistosomes of cattle and buffaloes	Mr. G.S. Sreenivasa Murthy	Ph.D.	Dr. Placid E D'Souza Vety. Parasitology
18.	Experimental pathology of small ruminant mycoplasmas in rats	Ms. Vijayalakshmi T.C.	Master	Dr. H.D. Narayanaswamy Vety. Pathology
19.	Evaluation of hypoglycemic effect of extract of <i>Gymnema sylvestre</i> and cow urine in diabetic rat model	Ms. B.S. Pragathi	Master	Dr. Suguna Rao Vety. Pathology
20.	Evaluation of hypoglycemic effect of <i>Momordica charantia</i> extract and cow urine in diabetic rat model	Syed Mudasir Ayoub	Master	Dr. Suguna Rao Vety. Pathology
21.	Studies on the pathology of sudden death syndrome in broiler chickens	Mr. Praveen Kumar G.R.	Master	Dr. M.L. Satyanarayana Vety. Pathology
22.	Pathobiology of classical swine fever	Mr. Shankar B.P.	Ph.D.	Dr. M.L. Satyanarayana Vety. Pathology
23.	Studies on pathology and pathogenesis of mycoplasmosis in small ruminants	Ms. Uma S.	Ph.D.	Dr. H.D. Narayanaswamy Vety. Pathology
24.	Studies on incidence, risk factors and diagnostic techniques for postpartum endometritis in crossbred cows	Mr. Chethan C.P.	Master	Dr. A. Krishnaswamy Vety. Gynaecology & Obstetrics
25.	Pregnancy diagnosis in sheep by Transabdominal ultrasound method	Mr. Stanzin Thakchos	Master	Dr. V.C. Murthy Vety. Gynaecology & Obstetrics



26.	Studies on certain metabolic profiles in pregnant ewes	Mr. Mahesha N.	Master	Dr. V.C. Murthy Vety. Gynaecology & Obstetrics
27.	Comparison of flank and ventral midline laparotomy for ovariohysterectomy in dogs	Mr. Murthy C.N.A.	Master	Dr. V.C. Murthy Vety. Gynaecology & Obstetrics
28.	Characterization of growth an astresia of buffalo ovarian follicle biochemical analysis and expression studies	Mr. Anand	Master	Dr. V.C. Murthy Vety. Gynaecology & Obstetrics
29.	Vaginal bacterial flora of bitches during different stages of reproductive cycle	Mr. Siddesh R.	Master	Dr. T.G. Honnappa Vety. Gynaecology & Obstetrics
30.	Comparative evaluation of different methods of management of dystocia in dogs	Mr. Narasimha Murthy	Ph.D.	Dr. M. Devaraj Vety. Gynaecology & Obstetrics
31.	Studies on treatment of pyometra in bitches with antiprogestins	Mr. G.J. Renukaradhya	Ph.D.	Dr. M. Devaraj Vety. Gynaecology & Obstetrics
32.	Survey on prevalence of brucella infection in sheep and goats	Ms. Nethra R.	Master	Prof. P.T. Ramesh Vety. Medicine
33.	Studies on cryptococciosis in ruminants, equines and birds	Mr. Bawane Pradip Vishwanath	Master	Prof. P.T. Ramesh Vety. Medicine
34.	Modified segmental spinal fixation for lumber spinal injuries in young companion animals	Mrs. Vani T.K.	Master	Dr. B.N. Nagaraja Vety. Surgery & Radiology
35.	Arthroscopic study of elbow and stifle joints in dogs	Mr. Vishal B.N.	Master	Dr. L. Ranganath Vety. Surgery & Radiology
36.	Comparison of laparoscopic and conventional method of vasectomy in dogs	Mr. Devaraj B.	Master	Dr. L. Ranganath Vety. Surgery & Radiology
37.	Comparison of laparoscopic method of endostaplin and endoloop suturing for ovariohysterectomy in female dogs	Mr. Vishwanatha B.	Master	Dr. L. Ranganath Vety. Surgery & Radiology
38.	Effect of supplementation of surfactant and cellulolytic enzymes on the performance of growing lambs fed urea treated Rhodes (<i>Chloris gayana</i>) hay	Mr. Ramu K.C.	Master	Dr. R. Gideon Glori Doss Animal Nutrition
39.	Nutritional evaluation of corn (<i>Zea mays</i>) germ meal based diets in broiler rabbits	Mr. Nagpure Prasad Subhash	Master	Dr. T.M. Prabhu Animal Nutrition
40.	Nutritional evaluation of fresh brewer's grain in lactating Murrah Buffaloes	Mr. Nirmale Avinash Vitthal	Ph.D.	Dr. K. Chandrapal Singh Animal Nutrition



41.	Nutritional evaluation of azolla (<i>Azolla pinnata</i>) in broilers and layers	Mr. Bolka P.C.	Ph.D.	Dr. R. Gideon Glori Doss Animal Nutrition
42.	Effect of slow release nitrogen product (SRNP) on the performance of growing crossbred calves and lactating dairy cows	Mr. B.C. Umashankar	Ph.D.	Dr. K. Chandrapal Singh Animal Nutrition
43.	Molecular genetic studies on FecB and Insulin-like growth factor genes in different sheep breeds of Karnataka	Mr. Sudarshan Gadad	Master	Dr. M.R. Jayashankar Animal Genetics & Breeding
44.	Studies on bovine lactoferrin gene and its association with mastitis in cattle	Mr. Seyed Fakhroddin Rahmani	Ph.D.	Dr. M.R. Jayashankar Animal Genetics & Breeding
45.	Genetic characterization of Bidri Goats	Mr. Vijayakumar B. Shettar	Ph.D.	Dr. M.R. Jayashankar Animal Genetics & Breeding
46.	Studies on the optimum requirement of energy and protein for commercial Giriraja chicks.	Jagadish Reddy K.R.	Master	Dr. B. Umakantha Poultry Science
47.	Comparative evaluation of different three way crosses of meat type chicken	Mr. Sudhir Naik	Master	Dr. Dr. H.N. Narasimha Murthy Poultry Science
48.	Effect of feeding organic zinc (Zn) and selenium (Se) on the performance of female parental line of Giriraja	Mr. Aher Sandeep Bhausaheb	Master	Dr. Jayanaik Poultry Science
49.	Evaluation of nutritive value of organic source of Zinc (Zn) and Manganese (Mn) in replacing inorganic source on the performance of coloured broilers.	Mr. Bharmappa Korawar	Master	Dr. Jayanaik Poultry Science
50.	Molecular genetic studies on genes associated with growth in poultry	Mr. Mohsen Ekhtiari Sadegh	Ph.D.	Dr. C.S. Nagaraja Poultry Science
51.	Evaluation of lactational performance of crossbred dairy cows fed with slow release nitrogen product	Ms. Madhura Y.	Master	Dr. U. Krishnamoorthy Livestock Production & Management
52.	Effect of feeding different energy levels on the kindling performance in rabbits	Mr. Anilkumar Ganga Reddy	Ph.D.	Dr. Y.B. Rajeshwari Livestock Production & Management
53.	Effect of two energy levels and two protein sources differing in solubility on milk yield and milk composition in lactating cows	Mr. Umesh Yadav M.	Ph.D.	Dr. U. Krishnamoorthy Livestock Production & Management



54.	Studies on rendering of chicken soft offal by acid treatment and its evaluation	Mohan Kumar M.R.	Master	Dr. Md. Nadeem Fairoze Livestock Products Technology
55.	Studies on optimizing drying process for acid stabilized chicken soft offal	Ms. Dechamma K.P.	Master	Dr. Md. Nadeem Fairoze Livestock Products Technology
56.	Development of Zinc enriched table eggs as functional food	Ms. Divya Gowda M.	Master	Dr. Md. Nadeem Fairoze Livestock Products Technology

Veterinary College, Bidar

1.	Comparative efficacy of various pregnancy diagnostic techniques in Kenguri Ewes	Yamanappa W.	Master	Dr. Suresh S. Honappagol Vety. Gynaecology & Obstetrics
2.	Vision saving techniques for initial stages of eye cancer in bullocks	Bhaskar R.P.	Master	Dr. B.V. Shivaprakash Vety. Surgery & Radiology
3.	Comparative evaluation of tramadol and pentazocine as preemptive analgesics with propofol anesthesia following ovariohysterectomy in female dogs	Mr. Ashish Mahajan	Master	Dr. S.M. Usturge Vety. Surgery & Radiology
4.	Characterization of Nandidurga breed of goat	Mr. Azharuddin N.	Master	Dr. M.M. Appannavar Animal Genetics & Breeding
5.	Participatory action research among goat rearers for promotion of supplementary feeding	Ms. Praveena	Master	Dr. K.C. Veeranna Vety. & AH Extension
6.	Participatory action research among buffalo rearers for promotion of challenge feeding	Mr. Mithuna K.V.	Master	Dr. K.C. Veeranna Vety. & AH Extension

Dairy Science College, Hebbal, Bengaluru

1.	Development of low calorie diabetic fruit flavoured yoghurt drink	Mr. Nanjunda Gowda V.N.	Master	Dr. B.V. Venkateshaiah Dairy Technology
2.	Development of low fat yoghurt dessert	Mr. Priyatam Reddy K.	Master	Dr. H.G. Ramachandra Rao Dairy Technology
3.	Development of low calorie pantua enriched with whey protein concentrate	Ms. Thejaswini M.L.	Master	Dr. B.V. Venkateshaiah Dairy Technology



4.	Development of amla whey drink	Ms. Rashmi K.G.	Master	Dr. H.G. Ramanchandra Rao Dairy Technology
5.	Development of Kokum blended paneer whey beverage	Mr. Girisha K.S.	Master	Dr. H. Arun Kumar Dairy Technology
6.	Technology for the development of whey protein enriched probiotic yoghurt powder	Mr. B. Sharanagouda	Ph.D.	Dr. B.V. Venkateshaiah Dairy Technology
7.	Process development for ready to use functional weaning food	Mr. Mahadevaiah	Ph.D.	Dr. H.M. Jayaprakash Dairy Technology
8.	Utilization of spirulina powder for enrichment of ice cream and yoghurt	Ms. Priyanka Malik	Master	Mr. C. Kempanna Dairy Chemistry
9.	Characterization of pigments from wild strains of Rhodotorula	Mr. Shivalkar Yadav K.	Master	Dr. Prabha R. Dairy Microbiology
10.	Production of direct vat set Dahi culture	Ms. Deepa B.G.	Master	Dr. H. Manjunath Dairy Microbiology
11.	Comparative evaluation of microbial platform tests with standard plate count in milk	Ms. Aruna V.	Master	Dr. Manjunath H. Dairy Microbiology

College Of Fisheries, Mangalore

1.	Development and standardization of monoclonal antibody (MAb) based immunodiagnostic test for detection of white spot syndrome virus (WSSV)	Ms. Chinmayee Das	Master	Dr. K.M. Shankar Aquaculture
2.	Studies on genetic diversity in different stocks of grass carp (<i>Ctenopharyngodon idellus</i>) using random amplified polymorphic DNA (RAPD) markers	Mr. Samuel Moses T.L.S.	Master	Dr. Y. Basavaraju Aquaculture
3.	Role of lactic acid as an feed acidifier and its influence on growth and health in <i>Labeo rohita</i>	Mr. Narasimha Murthy M.N.	Master	Dr. E.G. Jayaraj Aquaculture
4.	Effect of stress on ontogeny of humoral immunity in Catla	Ms. Prakruthi G.S.	Master	Mr. Iqdas Ahmed Aquaculture
5.	Development and standardization of monoclonal antibody based flow through immunoassay for detection of <i>Aphanomyces invadans</i>	Mr. Adil B.	Master	Dr. K.S. Ramesh Aquaculture
6.	Monoclonal antibodies for antigen characterization and detection of <i>Macrobrachium rosenbergii</i> nodavirus (MrNV)	Mr. Amiya Kumar Sahoo	Ph.D.	Dr. K.M. Shankar Aquaculture
7.	Abundance and distribution of horn shell <i>Cerithidea cingulata</i> (Gmelin) in the brackish waters of Nethravathi estuary, Mangalore	Ms. Amrutha N.S.	Master	Dr. Gangadhara Gowda Aquatic Environment Management



8.	Physiological disturbance in common carp (<i>Cyprinus carpio</i>) as an indicator of pollution stress	Mr. Muttappa Khavi	Master	Dr. H.R.V. Reddy Aquatic Environment Management
9.	Nucleic acid based identification of <i>nodavirus</i> and <i>iridovirus</i> associated with wild caught and cultural marine finfish	Mr. Santosh K.S.	Master	Dr. Indrani Karunasagar Fisheries Microbiology
10.	Nucleic acid based identification of viruses of <i>Penaeus Vannamei</i> in India	Mr. Rajesh Moger	Master	Dr. M.N. Venugopal Fisheries Microbiology
11.	Prevalence of vibrios in wild caught and cultural marine finfish of South West coast of India	Mr. Nithin M.S.	Master	Dr. M.N. Venugopal Fisheries Microbiology
12.	DNA barcoding of some endemic cyprinids of ornamental potential	Mr. Dillip Kumar	Master	Dr. M.N. Venugopal Fisheries Microbiology
13.	Development of recombinant protein vaccine against <i>Vibrio</i> infection of aquatic animals	Mohammed Adbullatif Hamod	Ph.D.	Dr. Indrani Karunasagar Fisheries Microbiology
14.	An assessment of status of empowerment of fisherwomen in coastal Karnataka	Mr. Mahesh V.	Master	Dr. S. Benakappa Fisheries Resources & Management
15.	Studies on breeding seasonality of <i>Otolithes rubber</i> (Schneider, 1801) along Dakshina Kannada coast with a note on the impact of monsoon fishing ban on the livelihood of fisherfolk	Mr. Ravi Kumar N.	Master	Dr. S. Benakappa Fisheries Resources & Management
16.	Studies on some aspects of biology and body composition of an emerging fishery of pufferfish, <i>Lagocephalus inermis</i> off Mangalore coast	Mr. Kishor K.T.	Master	Dr. S. Benakappa Fisheries Resources & Management
17.	Influence of freshness of fish on the quality of prepared products: A comparative study for lean and fatty fish	Mr. Jaya Naik	Ph.D.	Dr. C.V. Raju Fish Processing Technology

6) Library and Information Services

Library is knowledge center for the students and staff of the university. To keep the students and faculty abreast of the latest scientific and technical developments in their field of studies both in India and elsewhere, the university is taking various steps to strengthen the library facilities in all the constituent institutions. The University Libraries are having good collection of books and journals pertaining to Veterinary, Dairy and Fisheries sciences. Further, the College libraries are provided with facilities like e-resources, access to on-line journal services through CeRA consortium, ICAR. The Library at Fisheries College, Mangalore is equipped with Easylib software and bar coding facility. Automation of library is under progress at Central Library, Bidar and Regional Campus Library, Bangalore with New-Genlib software. CD ROM ie, VET CD database retrieval facility is also available in these libraries.



(i) Print Media (books, journals/periodicals)

#	Particulars	VCH & DSCH	VCB	VCS	HVC	DSCG	FCM	Total
1	Books	12790	8043	3976	4310	1970	15384	46473
2	Thesis	1369	891	-	-	-	712	2972
3	Reports	934	44	-	-	-	3119	4097
4	Pamphlets	712	-	-	-	-	-	712
5	Bound Volumes	10653	-	-	-	-	-	10653
6	Gift Books	722	-	-	-	-	-	722
7	SC/ST Books	1660	1795	292	450	-	367	4564
8	Indian Journals	83	38	20	23	-	8	172
9	Foreign Journals	10	8	-	-	-	7	25
10	Back Volumes	-	1978	-	-	-	6233	8211
11	Others	-	7	12	-	-	-	19

(ii) Non-print Media (e-resources) - list of e-journals/CD

#	Particulars	VCH & DSCH	VCB	VCS	HVC	DSCG	FCM	Total
1	e-journals / CD	2895	410	-	122	-	178	3605

(iii) Membership Usage

#	Particulars	VCH & DSCH	VCB	VCS	HVC	DSCG	FCM	Total
1	Students at UG Level	359	11546	176	157	57	152	12447
2	Students at PG Level	144	5694	-	-	-	74	5912
3	Staff	04	1059	33	80	14	200	1390



7. Student Welfare Activities

(i) Sports Activities

a) All India Inter-University Sports & Games Meets

KVAFSU, Bidar attained 6th position out of 42 Universities participated in 13th All India Inter-Agricultural Universities Sports & Games Meet 2011-12 held at PDKV, Akola, Maharashtra.

- 1) All India Inter-Veterinary University Sports & Games Meet held at TANUVAS, Chennai during 8-11 Nov., 2011
- 2) All India Agricultural University Sports & Games Meet held at Dr. Panjabrao Deshmukh Krishi Vidyapeet, Akola, Maharashtra (PDKV, Akola) during 16-19th February, 2012

(i) Achievement of KVAFSU, Bidar at All India Inter-Veterinary University Sports & Games Meet

#	Event	Place
1	Cricket (Men)	Winners
2	Badminton (Men)	Winners
3	Badminton (Women)	Winners
4	Basketball (Men)	Runners
5	Basketball (Women)	Winners
6	Kabaddi (Men)	Runners
7	Table Tennis (Men & Women)	Winners
8	March Fast	First Place

(ii) Performance of KVAFSU, Bidar students at All India Sports & Games Meet during 2011-12

#	Event	Medal Awarded	Name of the Student	Name of the College	Awarded at
<i>Individual Event</i>					
1	Tennikoit	Gold	Goutham, M.	Veterinary College, Hebbal	36 th Tennikoit National Championship
2	Javelin	Bronze	Salisha, W.C.	Veterinary College, Hebbal	TANUVAS, Chennai
		Silver	Shashikumar, B.	College of Fisheries, Mangalore	TANUVAS, Chennai
3	Discuss Throw	Gold	Ranjitha, K.P.	Veterinary College, Hebbal	TANUVAS, Chennai
		Bronze	Sahana, S.	College of Fisheries, Mangalore	PDKV, Akola
4	Shot-put	Silver	Ranjitha, K.P.	Veterinary College, Hebbal	TANUVAS, Chennai
5	100 Mtrs.	Silver	Mayur, T.C.	Veterinary College, Hebbal	TANUVAS, Chennai



6	800 Mtrs.	Gold	Venugopal, R.	College of Fisheries, Mangalore	TANUVAS, Chennai
		Bronze	Venugopal, R.	College of Fisheries, Mangalore	PDKV, Akola
7	Triple Jump	Silver	Mayur, T.C.	Veterinary College, Hebbal	TANUVAS, Chennai
8	4x100 Mtrs. Relay	Silver	Mayur, T.C.	Veterinary College, Hebbal	TANUVAS, Chennai
9	400 mtrs.	Gold	Ashitha Suresh	Veterinary College, Hassan	TANUVAS, Chennai
10	200 mtrs.	Silver	Ashitha Suresh	Veterinary College, Hassan	TANUVAS, Chennai

Group Event

1	Cricket	Gold	Dilip Kumar	College of Fisheries, Mangalore	TANUVAS, Chennai
			Abhilash, M.R.	Veterinary College, Hassan	
			Sachin	Veterinary College, Hebbal	
2	Kabbaddi	Silver	Vivek, R.	College of Fisheries, Mangalore	TANUVAS, Chennai
			Shashikumar, B.	College of Fisheries, Mangalore	
			Swamy	Veterinary College, Hebbal	
			Sanath Krishna	Veterinary College, Hebbal	
			Pavan	Veterinary College, Hebbal	
			Anil Kumar	Veterinary College, Hebbal	
			Walter Benzimin Prazer	Veterinary College, Hebbal	
3	Basketball (Men)	Silver	Sagar Lochan	Veterinary College, Hassan	TANUVAS, Chennai
			Kartik	Veterinary College, Hebbal	
			Ashish	Veterinary College, Hebbal	
			Praveen	Veterinary College, Hebbal	
4	Table Tennis (Men)	Silver	Shreyas	Veterinary College, Hassan	PDKV, Akola
			Pradeep	Veterinary College, Hassan	
			Vinay Kumar	Veterinary College, Hassan	



5	Table Tennis (Women)	Gold	Varalakshmi, A.	Veterinary College, Hassan	TANUVAS, Chennai
			Smitha, S.	Veterinary College, Hassan	
			Salisha W.C.	Veterinary College, Hebbal	
6	Table Tennis (Men)	Gold	Pradeep Kumar, M.S.	Veterinary College, Hassan	TANUVAS, Chennai
			Vinay, B.A.	Veterinary College, Hassan	
			Shreyas, B. Raj	Veterinary College, Hassan	
7	Table Tennis (Women)	Silver	Varalakshmi	Veterinary College, Hassan	PDKV, Akola
			Smitha	Veterinary College, Hassan	
			Honnettevva	Veterinary College, Hassan	
8	Badminton (Men)	Gold	Tahir Ahmad	Veterinary College, Hebbal	TANUVAS, Chennai
9	Badminton (Women)	Gold	Ramya M.P	Veterinary College, Hebbal	TANUVAS, Chennai
			Preeti Goswamy	Veterinary College, Hebbal	
			Aditi Handa	Veterinary College, Hebbal	
10	Basketball (Women)	Gold	Preeti Goswamy	Veterinary College, Hebbal	TANUVAS, Chennai
			Aditi Handa	Veterinary College, Hebbal	
			Salisha W.C.	Veterinary College, Hebbal	
			Sweta S.M	Veterinary College, Hebbal	
			Ashwini M.S	Veterinary College, Hebbal	

b) KVAFSU 7th Inter-Collegiate Sports & Games Meet

(The event was organized by Veterinary College, Bengaluru during 1-5th December, 2011)
 i) Performance at Group Level Games

#	Particulars	Name of the Student	Name of the College
1	Individual Champion		
	a) Men Section	Suraj Koujalgi	Veterinary College, Bidar
	b) Women Section	Ranjitha, K.P.	Veterinary College, Hebbal
		Ashmit Suresh	Veterinary College, Hassan



Results of Group Games: Overall Championship

2	Overall Champion (Athlete)	-	Veterinary College, Hebbal
3	Group Games Overall Champion	-	Veterinary College, Hebbal
	a) Cricket	Winner	Veterinary College, Bidar
		Runner up	Dairy Science College, Hebbal
	b) Basket Ball (Men)	Winners	Veterinary College, Bengaluru
		Runner up	Veterinary College, Bidar
	c) Foot Ball (Men)	Winners	Veterinary College, Bengaluru
		Runner up	Veterinary College, Bidar
	d) Kho Kho	Winners	Veterinary College, Shivamogga
		Runner up	Veterinary College, Bidar
	e) Volley Ball (Men)	Winners	Dairy Science College, Hebbal
		Runner up	Veterinary College, Bidar
	f) Volley Ball (Women)	Winners	Veterinary College, Hassan
		Runner up	Veterinary College, Bengaluru
4	Badminton (Men)	Winners	Veterinary College, Bengaluru
		Runners up	College of Fisheries, Mangalore
5	Badminton (Women)	Winners	Veterinary college, Bengaluru
		Runners up	College of Fisheries, Mangalore
6	Table Tennis (Men)	Winners	Veterinary College, Hassan
		Runners	Veterinary college, Bengaluru
7	Table Tennis (Women)	Winners	Veterinary College, Hassan
		Runners	Veterinary college, Bengaluru
8	Kabaddi (Men)	Winners	Veterinary college, Bengaluru
		Runners	Veterinary College, Shivamogga

ii) Individual Performance at Inter-Collegiate Sports & Games Meet

Sl No	Name of the player	Event	Place
Veterinary College, Hassan			
1	Pradeep Kumar M.S	Table tennis	Gold Medal
2	Vinay B. A	Table tennis	Gold Medal
3	Shreyas B. Raj	Table tennis	Gold Medal
4	Varalakshmi, A	Table tennis	Gold Medal
5	Smitha , S	Table tennis	Gold Medal
6	Honavanthevva	Table tennis	Gold Medal
7	Veena, V	Volley ball	Gold Medal
8	Varalakshmi, A	Volley ball	Gold Medal
9	Anusha, V	Volley ball	Gold Medal
10	Nirupama, K.R	Volley ball	Gold Medal
11	Hithaishini, R	Volley ball	Gold Medal
12	Shruthi, J.S	Volley ball	Gold Medal
13	Namrutha, K.B	Volley ball	Gold Medal



14	Jyothi, S.B	Volley ball	Gold Medal
15	Suprith Surya	Chess	Silver Medal
16	Suhas M.R	Chess	Silver Medal
17	Mahesh S. Hugar	Chess	Silver Medal
18	CharanD, J	Chess	Silver Medal
19	Ashitha Suresh	800 mts 1500 mts 400 mts	Gold Medal Gold Medal Gold Medal
20	JyothiS.B	High Jump	Silver Medal

c) Representation of University Students at All India Sports & Games Meet

#	Name of the Students	Event	Represented at
Veterinary College, Hebbal, Bengaluru			
1	Mayur, T.C.	Athelete (Men)	TANUVAS, Chennai
2	Walter Benjamin Prazer	Athelete (Men)	TANUVAS, Chennai
3	Ranjitha, K.P.	Athletics (Women)	TANUVAS, Chennai
4	Shalisha, W, C.	Athletics (Women)	TANUVAS, Chennai
5	Swamy	Kabaddi	TANUVAS, Chennai
6	Sanath Krishna	Kabaddi	TANUVAS, Chennai
7	Pavan	Kabaddi	TANUVAS, Chennai
8	Anil Kumar	Kabaddi	TANUVAS, Chennai
9	Karthik	Basketball	TANUVAS, Chennai
10	Ashish	Basketball	TANUVAS, Chennai
11	Praveen	Basketball	TANUVAS, Chennai
12	Tahir Ahammad	Badminton	TANUVAS, Chennai
13	Sachin	Cricket	TANUVAS, Chennai
14	Pradeep	Football	TANUVAS, Chennai
15	Nimay	Football	TANUVAS, Chennai
16	Shwetha	Volleyball (W)	TANUVAS, Chennai
17	Ashwini	Volleyball (W)	TANUVAS, Chennai
18	Shruthi	Volleyball (W)	TANUVAS, Chennai
19	Veena	Volleyball (W)	TANUVAS, Chennai
20	Aditi	Basketball (W)	TANUVAS, Chennai
21	Preeti Goswami	Basketball (W)	TANUVAS, Chennai
22	Ramya	Badminton (W)	TANUVAS, Chennai
23	Ranjitha K.P	Athletics	PDKV, Akola
24	Ashish	Basketball	PDKV, Akola
25	Praveen	Basketball	PDKV, Akola
26	Preeti Goswamy	Badminton	PDKV, Akola
27	Aditi Handa	Badminton	PDKV, Akola
28	Chethan Yadav	Kho-Kho	PDKV, Akola
Veterinary College, Bidar			
1	Suraj Koujalgi	Athletics	TANUVAS, Chennai
2	Manjesh Gowda	Kabaddi	TANUVAS, Chennai
3	Shantveer	Volleyball	TANUVAS, Chennai
4	Ashok, R. V.	Volleyball	TANUVAS, Chennai



5	Naveen, M.	Basketball	TANUVAS, Chennai
6	Shabastin, K.	Basketball	TANUVAS, Chennai
7	Brahmaling	Basketball	TANUVAS, Chennai
8	Manjunath, H	Basketball	TANUVAS, Chennai
9	Rakesh	Badminton	TANUVAS, Chennai
10	Shashikanth	Cricket	TANUVAS, Chennai
11	Rajendra	Cricket	TANUVAS, Chennai
12	Avinash	Football	TANUVAS, Chennai
13	Manju Kiran	Football	TANUVAS, Chennai
14	Shabarish	Football	TANUVAS, Chennai
15	Shiv Kumar	Football	TANUVAS, Chennai
16	Veeranna	Football	TANUVAS, Chennai
17	Santosh	Football	TANUVAS, Chennai
18	Nidha	Basketball (Women)	TANUVAS, Chennai
19	Shantveer	Volleyball	PDKV, Akola
20	Ashok, R. V.	Volleyball	PDKV, Akola
21	Sachin	Volleyball	PDKV, Akola
22	Shabastin, K.	Basketball	PDKV, Akola
23	Rajendra	Basketball	PDKV, Akola
24	Rakesh	Badminton	PDKV, Akola
25	Nidha	Athletics	PDKV, Akola

Veterinary College, Shivamogga

1	Siddarood Mokashi	Cricket	TANUVAS, Chennai
2	Lohith, M.B.	Cricket	TANUVAS, Chennai
3	Shivakumar, K.N.	Kabaddi	TANUVAS, Chennai
4	Chaithra, N.T.	Volley Ball	TANUVAS, Chennai
5	Mallikarjun Iligir Rayappa	Volleyball	PDKV, Akola
6	Rakesh Agadi	Kho- Kho	PDKV, Akola
7	Shankaralingaswamy.C.K.M	Kho-Kho	PDKV, Akola
8	Shashi Kumar.M.G	Kho-Kho	PDKV, Akola
9	Naveen Kumar.B.S	Kho-Kho	PDKV, Akola
10	Bheerappa	Kho-Kho	PDKV, Akola

Dairy Science College, Hebbal, Bengaluru

1	Mallikarjun, B.M.	Athletics (Men)	TANUVAS, Chennai
2	Madhu, M.V.	Athletics (Men)	TANUVAS, Chennai
3	Darshan	Volley Ball (Men)	TANUVAS, Chennai
4	Madhu, M.V.	Volley Ball (Men)	TANUVAS, Chennai
5	Harish	Volley Ball (Men)	TANUVAS, Chennai
6	Sandeep	Badminton (Men)	TANUVAS, Chennai
7	Madhu, M.V.	Cricket (Men)	TANUVAS, Chennai
8	Satpal, S.R.	Cricket (Men)	TANUVAS, Chennai
9	Harish	Cricket (Men)	TANUVAS, Chennai
10	Mallikarjun, B.M.	Cricket (Men)	TANUVAS, Chennai
11	Mallikarjuna, B.M	Athletics (Men)	PDKV, Akola
12	Darshan	Volleyball (Men)	PDKV, Akola

**College of Fisheries, Mangalore**

Rank	Name	Sport	Location
1	Ganesh Prasad	Shot-put	TANUVAS, Chennai
2	Ganesh Prasad	Discuss Throw	TANUVAS, Chennai
3	Pramod Suvarna	Volley Ball	TANUVAS, Chennai
4	Mohammad Asaf	Foot Ball	TANUVAS, Chennai
5	Vasim Adinan Sadhi	Foot Ball	TANUVAS, Chennai
6	Shashikumar, B.N.	Javelin	PDKV, Akola
7	Shashikumar, B.N.	Long Jump	PDKV, Akola
8	Manoj Kumar, M.N.	200 mtrs.	PDKV, Akola
9	Manoj Kumar, M.N.	400 mtrs.	PDKV, Akola
10	Praveen, G.P.	High Jump	PDKV, Akola
11	Praveen, G.P.	Volley Ball	PDKV, Akola
12	Pramod Suvarna	Volley Ball	PDKV, Akola
13	Rupesh Kumar	Kho-Kho	PDKV, Akola

ii) University Youth Festival organized at Bidar

7th Inter Collegiate Youth Festival 'Yuva Siri' was held at Veterinary College, Bidar from 30th November to 1st December, 2011. Various cultural activities like cartooning, light vocal, Kannada & English extempore, debate, elocution, one act play, skit, mime and folk dance. All the constituent colleges actively participated in different events. The Veterinary College, Bengaluru students won Overall Championship.



(i) Achievement of KVAFSU, Bidar at All India Inter-Veterinary University Sports & Games Meet

#	Event	Place
1	Cricket (Men)	Winners
2	Badminton (Men)	Winners
3	Badminton (Women)	Winners
4	Basketball (Men)	Runners
5	Basketball (Women)	Winners
6	Kabaddi (Men)	Runners
7	Table Tennis (Men & Women)	Winners
8	March Fast	First Place

(ii) Performance of KVAFSU, Bidar students at All India Sports & Games Meet during 2011-12

#	Event	Medal Awarded	Name of the Student	Name of the College	Awarded at
<i>Individual Event</i>					
1	Javelin	Bronze	Salisha, W.C.	Veterinary College, Hebbal	TANUVAS, Chennai
		Silver	Shashikumar, B.	College of Fisheries, Mangalore	TANUVAS, Chennai
2	Discuss Throw	Gold	Ranjitha, K.P.	Veterinary College, Hebbal	TANUVAS, Chennai
		Bronze	Sahana, S.	College of Fisheries, Mangalore	PDKV, Akola
3	Shot-put	Silver	Ranjitha, K.P.	Veterinary College, Hebbal	TANUVAS, Chennai
4	100 Mtrs.	Silver	Mayur, T.C.	Veterinary College, Hebbal	TANUVAS, Chennai
5	800 Mtrs.	Gold	Venugopal, R.	College of Fisheries, Mangalore	TANUVAS, Chennai
		Bronze	Venugopal, R.	College of Fisheries, Mangalore	PDKV, Akola
6	Triple Jump	Silver	Mayur, T.C.	Veterinary College, Hebbal	TANUVAS, Chennai
7	4x100 Mtrs. Relay	Silver	Mayur, T.C.	Veterinary College, Hebbal	TANUVAS, Chennai
8	Table Tennis	Gold	Pradeep Kumar, M.S.	Veterinary College, Hassan	TANUVAS, Chennai
			Vinay, B.A.		
			Shreyas, B. Raj		
			Varalakshmi, A.		
			Smitha, S.		
9	400 mtrs.	Gold	Ashitha Suresh	Veterinary College, Hassan	TANUVAS, Chennai
10	200 mtrs.	Silver	Ashitha Suresh	Veterinary College, Hassan	TANUVAS, Chennai



Group Event

1	Cricket	Gold	Dilip Kumar	College of Fisheries, Mangalore	TANUVAS, Chennai
		Gold	Abhilash, M.R.	Veterinary College, Hassan	TANUVAS, Chennai
2	Kabbaddi	Silver	Vivek, R.	College of Fisheries, Mangalore	TANUVAS, Chennai
			Shashikumar, B.	College of Fisheries, Mangalore	TANUVAS, Chennai
3	Basket Ball	Silver	Sagar Lochan	Veterinary College, Hassan	TANUVAS, Chennai
4	Table Tennis (Men)	Silver	Shreyas	Veterinary College, Hassan	PDKV, Akola
		Silver	Pradeep	Veterinary College, Hassan	PDKV, Akola
		Silver	Vinay Kumar	Veterinary College, Hassan	PDKV, Akola
5	Table Tennis (Women)	Silver	Varalakshmi	Veterinary College, Hassan	PDKV, Akola
		Silver	Smitha	Veterinary College, Hassan	PDKV, Akola
		Silver	Honnettevva	Veterinary College, Hassan	PDKV, Akola

b) Medals won by individuals in group events at All India Inter-Veterinary University Sports & Games Meet held at TANUVAS, Chennai during 8-11 Nov., 2011

#	Name of the Student	Event	Medal	Name of the College
1	Goutham, M.	36 th Tennikoit National Championship	Gold	Veterinary College, Hebbal
2	Tahir Ahmad	Badminton (Men)	Gold	
3	Ramya M.P	Badminton (Women)	Gold	
4	Preeti Goswamy	Badminton and Basketball (Women)	Gold	
5	Aditi Handa	Badminton and Basketball (Women)	Gold	
6	Salisha W.C.	Basketball and Table Tennis (Women)	Gold	
7	Sweta S.M	Basketball (Women)	Gold	
8	Ashwini M.S	Basketball (Women)	Gold	
9	Swamy	Kabaddi (Men)	Silver	
10	Sanath Krishna	Kabaddi (Men)	Silver	
11	Pavan	Kabaddi (Men)	Silver	
12	Anil Kumar	Kabaddi (Men)	Silver	



13	Walter Benzimin Prazer	Kabaddi (Men)	Silver	
14	Kartik	Basketball (Men)	Silver	
15	Ashish	Basketball (Men)	Silver	
16	Praveen	Basketball (Men)	Silver	
17	Sachin	Cricket (Men)	Gold	

c) **KVAFSU 7th Inter-Collegiate Sports & Games Meet**

(The event was organized by Veterinary College, Bengaluru during 1-5th December, 2011)

i) *Performance at Group Level Games*

#	Particulars	Name of the Student	Name of the College
1	Individual Champion		
	a) Men Section	Suraj Koujalgi	Veterinary College, Bidar
	b) Women Section	Ranjitha, K.P.	Veterinary College, Hebbal
		Ashmit Suresh	Veterinary College, Hassan
Results of Group Games: Overall Championship			
2	Overall Champion (Athlete)	-	Veterinary College, Hebbal
3	Group Games Overall Champion	-	Veterinary College, Hebbal
	a) Cricket	Winner	Veterinary College, Bidar
		Runner up	Dairy Science College, Hebbal
	b) Basket Ball (Men)	Winners	Veterinary College, Bengaluru
		Runner up	Veterinary College, Bidar
	c) Foot Ball (Men)	Winners	Veterinary College, Bengaluru
		Runner up	Veterinary College, Bidar
	d) Kho Kho	Winners	Veterinary College, Shivamogga
		Runner up	Veterinary College, Bidar
	e) Volley Ball (Men)	Winners	Dairy Science College, Hebbal
		Runner up	Veterinary College, Bidar
	f) Volley Ball (Women)	Winners	Veterinary College, Hassan
		Runner up	Veterinary College, Bengaluru
4	Badminton (Men)	Winners	Veterinary College, Bengaluru
		Runners up	College of Fisheries, Mangalore
5	Badminton (Women)	Winners	Veterinary college, Bengaluru
		Runners up	College of Fisheries, Mangalore
6	Table Tennis (Men)	Winners	Veterinary College, Hassan
		Runners	Veterinary college, Bengaluru
7	Table Tennis (Women)	Winners	Veterinary College, Hassan
		Runners	Veterinary college, Bengaluru
8	Kabaddi (Men)	Winners	Veterinary college, Bengaluru
		Runners	Veterinary College, Shivamogga



Veterinary College, Shivamogga

1	Siddarood Mokashi	Cricket	TANUVAS, Chennai
2	Lohith, M.B.	Cricket	TANUVAS, Chennai
3	Shivakumar, K.N.	Kabaddi	TANUVAS, Chennai
4	Chaithra, N.T.	Volley Ball	TANUVAS, Chennai
5	Mallikarjun Iligir Rayappa	Volleyball	PDKV, Akola
6	Rakesh Agadi	Kho-Kho	PDKV, Akola
7	Shankaralingaswamy.C.K.M	Kho-Kho	PDKV, Akola
8	Shashi Kumar.M.G	Kho-Kho	PDKV, Akola
9	Naveen Kumar.B.S	Kho-Kho	PDKV, Akola
10	Bheerappa	Kho-Kho	PDKV, Akola

Dairy Science College, Hebbal, Bengaluru

1	Mallikarjun, B.M.	Athletics (Men)	TANUVAS, Chennai
2	Madhu, M.V.	Athletics (Men)	TANUVAS, Chennai
3	Darshan	Volley Ball (Men)	TANUVAS, Chennai
4	Madhu, M.V.	Volley Ball (Men)	TANUVAS, Chennai
5	Harish	Volley Ball (Men)	TANUVAS, Chennai
6	Sandeep	Badminton (Men)	TANUVAS, Chennai
7	Madhu, M.V.	Cricket (Men)	TANUVAS, Chennai
8	Satpal, S.R.	Cricket (Men)	TANUVAS, Chennai
9	Harish	Cricket (Men)	TANUVAS, Chennai
10	Mallikarjun, B.M.	Cricket (Men)	TANUVAS, Chennai
11	Mallikarjuna, B.M	Athletics (Men)	PDKV, Akola
12	Darshan	Volleyball (Men)	PDKV, Akola

College of Fisheries, Mangalore

1	Ganesh Prasad	Shot-put	TANUVAS, Chennai
2	Ganesh Prasad	Discuss Throw	TANUVAS, Chennai
3	Pramod Suvarna	Volley Ball	TANUVAS, Chennai
4	Mohammad Asaf	Foot Ball	TANUVAS, Chennai
5	Vasim Adinan Sadhi	Foot Ball	TANUVAS, Chennai
6	Shashikumar, B.N.	Javelin	PDKV, Akola
7	Shashikumar, B.N.	Long Jump	PDKV, Akola
8	Manoj Kumar, M.N.	200 mtrs.	PDKV, Akola
9	Manoj Kumar, M.N.	400 mtrs.	PDKV, Akola
10	Praveen, G.P.	High Jump	PDKV, Akola
11	Praveen, G.P.	Volley Ball	PDKV, Akola
12	Pramod Suvarna	Volley Ball	PDKV, Akola
13	Rupesh Kumar	Kho-Kho	PDKV, Akola

ii) University Youth Festival organized at Bidar:

7th Inter Collegiate Youth Festival 'Yuva Siri' was held at Veterinary College, Bidar from 30th November to 1st December, 2011. Various cultural activities like cartooning, light vocal, Kannada & English extempore, debate, elocution, one act play, skit, mime and folk dance. All the constituent colleges actively participated in different events. The Veterinary College, Bengaluru students won Overall Championship.



8) National Service Scheme (NSS)

Veterinary College, Bengaluru

NSS units of Veterinary College, Bengaluru organized NSS Annual Special Camp from 8-14th April, 2011 at Thavarekere village of Bengaluru South. For the benefit of rural community as well as volunteers educative programmes viz., morality in life, caring for elderly people, role of banks in rural up liftment, way to success are being organized. In addition, animal health camp and eye camp were organized for the benefit of villagers. In Shramadana, plantation, cleaning of drainages and water tanks were the major activities.

Veterinary College, Bidar

NSS units of Veterinary College, Bidar organized NSS Annual Special Camp from 4-10th March, 2012 at Kanganakote village of Bidar taluk. For the benefit of the community, demonstration on azolla cultivation and vermi-compost were organized. In addition, animal health camp-cum-livestock show was organized. In educative programmes, awareness on agriculture & horticulture, sanitation, women welfare, child health care, medicinal plants, self employment, clean milk production tips were organized. In Shramadana, attention was given to make plastic free village by involving village youth. As routine cultural activities focusing various social evils were being organized during the camp.

Veterinary College, Shivamogga

The NSS Annual Special Camp was organized at Hasudi Village of Shivamogga taluk from 09.03.2012 to 15.03.2012. For the benefit of Hasudi Village, free diabetes check up camp, animal health camp, calf rally, free dental check up camp were organized during the camp. As a part of Shramadhana drainage cleaning, plantation in and around the Schools, Veterinary dispensary and Temple were carried out by

involving local youths. As a part of awareness and education of the community as well as volunteers, educative programmes were organized on improved dairy production practices, health care of livestock, personality development, role of youth in NSS and ongoing livestock development programmes. The volunteers were also actively took part in organizing cultural programmes by keeping the theme as livestock based livelihoods.

Veterinary College, Hassan

NSS Unit of Veterinary College, Hassan organized NSS Annual Special Camp from 24-02-2012 to 01-03-2012 at Jodikrishnapura village, Hassan taluk. In Shramadana, cleaning of village and plantation programme were undertaken. Animal health camp, calf rally, exhibition, distribution of Giriraja birds and dental health camp were being organized for the benefit of villagers. In educative programmes, selection of dairy animals, common diseases in dairy animals, nutritional management schemes of animal husbandry department, scope of inland fisheries and common laws for public were organized. The cultural programmes focusing on improved livestock production practices were organized.

Dairy Science College, Bengaluru

NSS Unit of Dairy Science College, Bengaluru organized NSS Annual Special Camp from 20-03-2012 to 26-03-2012 at Karalli village of Bengaluru rural taluk. In Shramadana, cleaning, drainage, digging of garbage pit surrounding community places like temple, school, MPCB etc. In educative programmes, awareness on fodder production, value added bakery products and milk products, clean milk production, soil test were organized.

In addition, NSS units of all the constituent colleges organized blood donation camps in association with Red Cross, Lions Club and District Hospital.



9) Other Co-curricular Activities of various constituent Institutions of the University

#	Date	Activity
Veterinary College, Bengaluru		
1	14-04-2011	Ambedkar Jayanti
2	30-04-2011	World Veterinary Day
3	06-05-2011	Basava Jayanti
4	02-06-2011	College Day
Veterinary College, Bidar		
1	14-04-2011	Ambedkar Jayanti
2	30-04-2011	World Veterinary Day
3	06-05-2011	Basava Jayanti
4	14-11-2011	College Day, Hostel Day, Alumni Association Day
Veterinary College, Shivamogga		
1	14-04-2011	Ambedkar Jayanti
2	30-04-2011	World Veterinary Day
3	06-05-2011	Basava Jayanti
4	18-11-2011	Hostel Day
5	30-03-2012	Local Awareness Programme on "Indian Constitution Article 4(a) Fundamental Rights and Duties"
Veterinary College, Hassan		
1	14-04-2011	Ambedkar Jayanti
2	30-04-2011	World Veterinary Day
3	06-05-2011	Basava Jayanti
4	2011	All India Essay Completion, 2011 held at Veterinary College, Jaipur (Mr. Punith, H. won 2 nd prize)
5	04-11-2011	Essay Competition on National Education Day
6	18-11-2011	Vety. Fest.-2011
7	17-12-2011	College Foundation Day
Dairy Science College, Bengaluru		
1	14-04-2011	Ambedkar Jayanti
2	06-05-2011	Basava Jayanti
3	24-05-2011	College Day
4	29-07-2011	Hostel Day
Dairy Science College, Bengaluru		
1	14-04-2011	Ambedkar Jayanti
2	06-05-2011	Basava Jayanti
College of Fisheries, Mangalore		
1	14-04-2011	Ambedkar Jayanti
2	06-05-2011	Basava Jayanti
3	22-09-2011	Fisheries Day
4	9-11 Feb., 2012	Fishco Festival
5	28-02-2012	Foundation Day
Animal Husbandry Polytechnic		
1	14-04-2011	Ambedkar Jayanti
2	06-05-2011	Basava Jayanti



III. Research

The University having been vested with the Mandate of Teaching, Research & Extension, various Research Activities in the sphere of Veterinary, Animal, Dairy & Fisheries Sciences are being undertaken at different organizations/institutions. During the year 2011-12, 37 research projects were completed with a financial outlay of Rs. 331.68 Lakhs. The details of the completed research projects, ongoing research projects, research collaborations, awards & other recognitions etc. are outlined below.

1. Completed Projects

a. Project details

Dept.	Title	Funding Agency	Budget (in lakhs)	Yr. of Comt.	Yr. of Cmpl.	Principal Investigator
Veterinary College, Hebbal, Bengaluru						
VPB	Sonographic Evaluation of Fetal Development in Bannur Ewes	KVAFSU	0.10	2009	2012	M. Narayana Swamy
VPB	Rumination Pattern in different Breeds of Cattle	KVAFSU	0.05	2008	2012	T. Veena
VSR	Clinical evaluation of spinal stapling technique for spinal fractures in dogs	KVAFSU	0.20	2010	2012	B. N. Nagaraja
VMD	Epidemiological and therapeutic aspects of <i>Ancylostoma caninum</i> in dogs	KVAFSU	0.05	2010	2011	H.A. Upendra
VMB	Prevalence of cryptosporidiosis in pups	KVAFSU	Nil	2009	2011	H.A. Upendra
P.Sc.	Evaluation of different coloured male lines maintained at the University Poultry Farm	KVAFSU	RF	2010	2010	H.N.N. Murty
VGO	Key hole surgery for ovario hysterectomy in dog and cat	KSS& T	0.09	2010	2012	A. Krishnaswamy
LPT	Development of table eggs enriched with Zinc and Iron using organic trace minerals in layer diets	Novus International	1.10	2010	2011	Md. Nadeem Fairoze
Veterinary College, Bidar						
LPM, VMC	Effect of Acetic acid (Acidifier) on growth performance and E. Coli Status of Broilers	RF	Nil	2010	2010	Jadhav, N.V.
LPT, VPH	Preparation of Pickled Hen Product & its Quality Assessment	KVAFSU	0.25	2009	2011	B.Jagannath Rao
VAN	Histology of Liver and spleen in Bidri goats	KVAFSU	Nil	2010		Ashok Pawar
VMD	Efficacy of prophylactic feeding of 'Cow magnet' for prevention of TRP	Sneha Ind., Hubli	0.11	2009	2011	Vivek R. Kasaralikar
VMD	Efficacy of herbal teat dip in subclinical mastitis	Ayurved Ltd., HP	0.35	2009	2011	NA Patil
VMD	Clinico-therapeutic evaluation of AV/SDS/16 and AV/DAC/16 in various digestive disorders and restoration of normal function	Ayurved Ltd., HP	0.35	2009	2011	Vivek Kasaralikar



VGO	Comparative efficacy of intrauterine herbal and other antimicrobial agents in buffaloes with RFM	Ayurvet Ltd, New Delhi	0.572	2008	2012	S S Honnappagol
VGO	Comparative study on Ovsynch and Cosynch estrus synchronization protocol in Deoni cows	KVAFSU	0.15	2010	2012	M.K. Tandle
VGO	Efficacy of Ciprofloxacin and Tinidazole combination in treating repeat breeder buffaloes.	KVAFSU	0.10	2009	2012	M.K. Tandle,
VPB	Studies on physiological responses of Kenguri sheep during different seasons under two managemental practices	KVAFSU	0.05	2009	2011	M.G. Manjunath,
VPH	Detection of pathogenic microorganisms in the foods of animal origin in Hyderabad- Karnataka region.	KVAFSU	0.25	2009	2011	Pradeep Kumar

Veterinary College, Shivamogga

LPM	Lambing pattern in an organized sheep farm	KVAFSU	-	2011	2012	U.S. Biradar
VPA	" <i>In-vitro</i> efficacy of Retosor against ticks and lice of domestic animals"	Retort Pharma (P) Ltd, Chennai	0.385	2010	2011	Ananda. K. J.

Veterinary College, Hassan

AGB	Studies of nomadic sheep rearing in southern Karnataka	KVAFSU	0.30	2010	2011	G.S. Naveen Kumar
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Dairy Science College, Hebbal, Bengaluru

DC	Application of CPPs from unutilized bioresources in the prevention of dental caries.	DBT, GOI	29.29 8	2008	2011	Jayashri P. Hiremath
Stat	Computerization of Academic Unit	KVAFSU	0.10	2009	2011	Krishnappa
Stat	Computerization UG Admission	KVAFSU	0.15	2011	2012	Krishnappa
DT	Indo-Argentine collaborative research project on Use of bacteriocins from LAB for the bio-preservation of traditional dairy products	DST	7.68	2007	2010	D.B. Puranik
DT	Development of Technology for the production of enriched thermised paneer spread	KVAFSU	0.35	2008	2010	Arunkumar, H
DT	Development of enriched yoghurt by using buffalo milk	KVAFSU	0.40	2008	2010	M. Venkatesh
DT	Development of technology for the production of rasagolla by utilizing modified soy milk (PI)	KVAFSU	0.38	2008	2011	Sharanagouda. B
DT	A study on mechanization of kunda manufacture	KVAFSU	0.20	2008	2010	L. Mahalingaiah



College of Fisheries, Mangalore

Micro	RNA interference (RNAi) as an antiviral mechanism against hepatopancreatic parvovirus (HPV)".	DBT	38.75	2007	2011	Indrani Karunasagar
Bio-Chem	Biochemical and Nutritional Evaluation of Freshwater Crab.	KVAFSU	0.10	2009	2011	Siddappaji, S.
Livestock Research & Information Center (Deoni), Hallikhed, Bidar						
LRIC	Studies on Bewares waste (Barely) as Dairy buffalo feed	KVAFSU	0.10	2011	2012	Satish Biradar
Fisheries Research & Information Center, Hebbal, Bengaluru						
FRIC	Research study on fresh water prawn farming in selected tanks	JSYS, GOK	22.14	2010	2011	Y. Basavaraju
FRIC	Evaluation of growth performance of freshwater prawn <i>Macrobrachium rosenbergii</i> under different stocking densities.	KVAFSU	RF	2010	2011	K.B. Rajanna
Fisheries Research & Information Center, Bhutnal, Bijapur						
FRIC	Establishment of Fisheries Research & Information Centre at Bhutnal, Bijapur	RKVK, GOK	223.10	2008	2013	S.M. Shivprakash

Abstract of Research Projects operated at KVAFSU, Bidar during 2011-12

#	<i>Source of Funding</i>	<i>No. of projects operated</i>	<i>Amount (Rs. In lakhs)</i>
I	Extra Mural Funding		
	A) Veterinary/Animal Science Division	07	2.96
	B) Dairy Science Division	02	37.08
	C) Fisheries Science Division	03	283.99
II	KVAFSU Funding		
	A) Veterinary/Animal Science Division	16	5.55
	B) Dairy Science Division	07	1.10
	C) Fisheries Science Division	02	1.00
	Total	37	331.68

b. Research Highlights

Veterinary College, Hebbal, Bengaluru

1) Title: Epidemiological and therapeutic aspects of *Ancylostoma caninum* in dogs

➤ Blood samples were collected from 20 dogs which were positive for *A. caninum* infection as well as from 10 dogs which were healthy and were subjected for hematological study (TEC, Hb and PCV) as well as biochemical study (TP and serum albumin). Dogs positive for *A. caninum* eggs were randomly divided into three groups and were subjected for different treatment regimen namely pyrantel pamoate orally, ivermectin

orally, doramectin parenterally. Efficacy of pyrantel pamoate, ivermectin, and doramectin against *A. caninum* was 98.81 ± 0.79 , 98.97 ± 1.03 and 98.81 ± 0.56 respectively and there was no significant difference in the efficacy of different anthelmintics.

➤ Prevalence of cryptosporidiosis in pups: A total of 210 fecal samples collected from puppies suffering from diarrhea were collected, 176 from Veterinary College Hospital, Bengaluru, 29 samples from KVAFSU CUPA Animal Shelter and 5 samples from dog breeder place. Fecal samples were screened for Cryptosporidium oocysts by modified Ziehl-Neelson staining technique.



Out of 106 samples screened, only 4 samples were positive for oocysts

2) Title: Key hole surgery for ovario hysterectomy in dog and cat

- A comparison of ventral and flank approach for ovario hysterectomy can be done in shorter hand less at a cost through flank approach provided animal is lean and thin.
- It was comparatively more difficult in animals which were obese.
- The wound complications under the time taken for healing was much more in animal operated through left flank incision.
- It was concluded that unlike in cats ovario hysterectomy should preferably carried out through a ventral midline incision.

3) Title: Development of table eggs enriched with Zinc and Iron using organic trace minerals in layer diets

- Dietary supplementation of both organic and inorganic forms of zinc and iron significantly enriched the eggs in comparison with control. The enrichment of eggs was better with organic forms of zinc and iron in comparison with respective inorganic mineral supplementation. Supplementation at graded levels of zinc and iron at both forms couldn't enrich the eggs significantly. The treatment of iron and zinc didn't affect the sensory attribute of egg significantly when prepared in the form of omelets. Since the eggs are consumed by majority of the population including vegetarians, it can be used as a better tool against iron and zinc deficiency.

Veterinary College, Bidar

1) Title: Effect of Acetic acid (Acidifier) on growth performance and *E. Coli* Status of Broilers

- Use of acidifier resulted in reducing of *E. coli* count in broiler chickens enhancing overall performance.
- The FCR revealed non-significant

superiority over control indicating beneficial effects of acidifier up to moderate dosage treatment.

- Higher dose treatment of water with acid did not bring in any additional benefits.

2) Title: Preparation of Pickled Hen Product & its Quality Assessment

- Twenty eight commercial spent layer hens were slaughtered in four batches of seven birds each and meat was pickled using different pickling solutions viz., ground nut oil + acetic acid, ground nut oil+ citric acid, mustard oil+ acetic acid, mustard oil+ citric acid combinations. Product from all pickling combinations was studied for physico-chemical, chemical, microbial & sensory analysis on 0,30 , 60, 90 days at room temperature. Physico chemical parameters included pH, Extract release volume, chemical parameters included proximate composition and Thiobarbituric acid value , Microbial included Aerobic mesophilic count & Yeast & mold count and sensory score evaluated using 9 point hedonic scale. Product found stable up to 90 day in all pickling solutions, but sensory score was highest to meat pickled with ground nut oil + acetic acid combinations. Meat pickled with mustard oil+ acetic acid combination had good score in terms of physico-chemical, chemical, microbial analysis

3) Title: Histology of liver and spleen in Bidri goats

- Liver is covered by with a distinct capsule and interstitial connective tissue is very less, hence no distinct lobules are differentiated in bidri goat. Hepatocytes have centrally placed nucleus with distinct nucleoli and scattered clumps of heterochromatin material and some cells are appeared foamy and binucleated cells are also seen. Portal triad are also observed and bile duct simple columnar epithelium few goblet cells are also seen in bidri goat.
- Spleen of the bidri goat consists of a distinct capsule with a thick connective



tissue and smooth muscle fibres. Trabeculae also composed of collagen and smooth muscle artery vein, nerve. The parenchyma of the spleen of the bidri goat consists of red and white pulp.

4) Title: Efficacy of herbal teat dip in subclinical mastitis

- The herbal teat dip was found effective in reducing the incidence of sub-clinical mastitis.

5) Title: Efficacy of prophylactic feeding of "Cow magnets" for prevention of TRP

- The cow magnets are safe to be used as no adverse reaction was recorded during the period of study.
- No alteration in ruminal fluid parameters were recorded which was suggestive of compatibility of the cow magnets in rumino-reticular environment.

6) Title: Clinico-therapeutic evaluation of AV/SDS/16 and AV/DAC/16 in various digestive disorders and restoration of normal ruminal function

- Both the rumenotonic were found effective in rejuvenating the rumen environment when compared to magnesium sulphate.

7) Title: Studies on physiological responses of Kenguri sheep during different seasons under two managemental practices

- There was significant difference in the physiological responses of two groups in spring and winter where as the physiological responses were markedly increased in first group during summer.

8) Title: Detection of pathogenic micro organisms in the foods of animal origin in Hyderabad-Karnataka region

- The number of milk samples positive for Staphylococcus, Bacillus, Salmonella and E. coli were 13, 11, 2 and 16

respectively. The number of milk products positive for Staphylococcus, Bacillus and E. coli were 1, 2 and 2, respectively. The no. of meat samples positive for Staphylococcus, Bacillus, Salmonella and E. coli were 25, 9, 15 and 30, respectively. None of the samples were positive for Listeria and Clostridium spp. The 50 meat product samples did not test positive for any organism. The one sample out of 50 samples of egg was found to be positive for E. coli.

Fisheries Research & Information Center, Hebbal, Bengaluru

1) Title: Research study on fresh water prawn farming in selected tanks

- In Polyculture, the highest mean weight at harvest of freshwater prawn was 61.91g (Ragihosalli Shivamogga district) while the lowest mean harvest weight (8.22g) was recorded (Avalipalya tank Tumkur district) in monoculture, the highest mean weight (49.14), was recorded in Hanapur tank of Bagalkot district while, lowest (5.16g) was recorded from Kakanahosudi tank of Shivamogga district. The growth performance correlated with some of the water quality parameters. Tanks in central and northern part of Karnataka are having more potential for freshwater prawn farming than southern part.

2) Title: Evaluation of growth performance of freshwater prawn *Macrobrachium rosenbergii* under different stocking densities.

- The results indicated that the growth of prawn was 20.20 ± 1.50 g, 14.38 ± 1.41 g, 12.35 ± 1.30 g at 20,000, 30,000 and 40,000 no./ha respectively. The growth of the prawn was highest at the lowest stocking density (20,000 no./ha) and was significantly greater than other two stocking densities. The highest survival (55.30%) was recorded in lowest stocking density followed by 50.80% (30,000 no./ha) and 44.15% (40,000 no./ha).



2. Ongoing Projects

a. Project details

Dept.	Title	Funding Agency	Budget (in lakhs)	Yr. of Comt.	Principal Investigator
Veterinary College, Hebbal, Bengaluru					
VPA	Immuno diagnosis of bovine Schistosomosis	KVAFSU	0.25	2010-12	Placid E.D'Souza
AGB	Evaluation of reproductive traits of Indigenous Goats in selected villages of Bengaluru rural district	KVAFSU	0.16	2010	R.Jayshree M.R.Jayashankar C.S.Nagaraja
AGB	Molecular genetic studies on Butyrophilin gene and its association with milk quality traits in cattle	KVAFSU	-	2011	C.S.Nagaraja M.R.Jayashankar R.Jayshree
LPM	Assessment of post-harvest changes in nutritional qualities of maize straw & sorghum straw and development of interventions to prevent these changes	KVAFSU	-	2010	U.Krishnamoorthy K.Chandrapal Singh R.Bhaskaran
LPM	Effect of feeding different energy levels on the growth and Kindling performance in Rabbits	KVAFSU	0.62	2010	Y.B.Rajeshwari
VMD	Studies on sub-acute ruminal acidosis in cows	KVAFSU	-	2011	H.A.Upendra M.A.Kshama Ravindranath S.Sarangamath
VMD	Studies on total protein and fibrinogen as indicators of inflammation in cattle	KVAFSU	0.20	2010	Deepti B.R. S.Yathiraj H.A.Upendra M.L.Sathyaranayana
VMD	Study on prevalence of toxoplasmosis in cats	KVAFSU	0.50	2011	M.C.Anil Kumar H.A.Upendra Placid D'Souza
P.Sc. (AICRP)	AICRP on Poultry Breeding for Meat	ICAR	96.55	1971	H.N.N.Murty B.Umakantha
P.Sc. (AICRP)	Survey, Characterization and Evaluation of indigenous/desi chicken in the selected districts of Karnataka	KVAFSU	RF	2011-12	H.N.N.Murty, B.Umakantha M.R.Jayashankar, Girish Kumar and V.Malathi
P.Sc. (AICRP)	Evaluation of performance of synthetic coloured broilers on replacing inorganic source of Zinc and Manganese with organic source	KVAFSU	0.30	2010	Jayanaijk, H.N.N.Murty, B.Umakantha, T.Munegowda V.Malathi
P.Sc. (AICRP)	Evaluation for season wise occurrence of Aflatoxins in poultry feeds and feedstuffs	KVAFSU	0.65	2011-12	V.Malathi, H.N.N.Murty, B.Umakantha Jayanaijk
VPP	Funds for Improvement of infrastructure in Paraclinical Division	DST	33.00	2008	M.L.Sathyaranayana



VPP	Outreach programme on Zoonotic diseases	ICAR	75.00	2009	M.L.Satyanarayana Leena, Suguna Rao, Srikrishna Isloor B.R.Deepthi
VPP	Centre of excellence in Pathology and establishment of modern histopathology	VGST, GOK	60.00	2010	M.L.Satyanarayana Suguna Rao H.D.N.Swamy
VPP	A study on comparative efficacy evaluation of various doses of Avilamycin, bacitracin and enramycin on necrotic enteritis caused by <i>Clostridium perfringens</i> in broilers	ELA, INC	3.90	2011	M.L.Satyanarayana Suguna Rao H.D. N. Swamy
VMC	"Rational Development of an effective Vaccine for the Prevention of <i>Staphylococcus</i> mastitis in bovines using mouse mastitis as a model system" in collaboration with M/s. Ella Foundation, Hyderabad.	DBT&IA	46.53	2010-11	Shrikrishna Isloor
VMC	Funds for Improvement of Science and Technology (FIST) infrastructure in universities and higher educational institutions"	DST	33.00	2007-08	D.Rathnamma S. Isloor
VMC	Bovine Mastitis: Unravelling Molecular details of Host Microbe Interaction & Development of Molecular Diagnostic Methods in collaboration with PD ADMAS, JNCASR & IVRI.	NAIP	40.00	2008-09	Shrikrishna Isloor
VGO	Evaluation OF Endometrial Thickness As a predictor Of fertility using Ultrasonography	KVAFSU	0.50	2012	Sudha G, R. Bhaskaran V C Murthy A. Krishnaswamy
VGO	Studies on vaginal bacterial flora of normal and infertile dogs.	KVAFSU	0.20	2011-12	T.G. Honnappa Suryanarayan Krishnaswamy. A. V.C. Murthy
VPT	Pharmacological and therapeutic evaluation of cattle urine	GOK	349.5 0	2007	K.Jayakumar N.B.Sridhar A.H.Shuaib
VPT	Obscure Diseases of Cattle and Buffaloes of Karnataka:Studies on Cause and Cure	WGDP, GOK	80.00	2007	N.B.Sridhar K.Jayakumar A.H.Shuaib
VPT	Pharmacological and toxicological evaluation of few herbal preparations with a special reference to <i>Astracantha Longifolia</i> and its preparations	HST, B'llore	2.64	2010	N.B.Sridhar K.Jayakumar



VMC	Studies on seroprevalence of Infectious Bovine Rhinotrachitis (IBRT) in bovines in Hassan district.	KVAFSU	0.67	2012-13	Rashmi L. R. D. Padalkar
Dairy Science College, Hebbal, Bengaluru					
DM	VTCC network project on Dairy Microbes Nodal centre Dairy Science College, Bengaluru	NRCE	2.55	2009	R.Krishna, H.Manjunatha, B.Ramachandra R.Prabha
DM	Development of Rapid Quality Kit to Determine the Quality of Raw Milk DR/SRP/DSC-4/11-12 dated 8/7/2011	KVAFSU	RF	2011-12	H.Manjunatha R.Krishna R.Prabha B.Ramachandra
DT	Development of paneer whey blended kokum squash	KVAFSU	0.25	2011	H.Arunkumar
DT	Development of Health Food for Enhancement of Immunity in Geriatrics	DST	19.45		D. B. Puranik H. G. Ramachandra Rao Sanjay, T.V. R. Prabha
College of Fisheries, Mangalore					
Aqua.	A Value chain on production and utilization of Indian major carps and prawn from aquaculture system	NAIP	130.29	2008	K.M. Shankar
Aqua.	Enhancing production through management of the traditional Paddy Cum Shrimp culture systems in Uttara Kannada District, Karnataka	RKVY	71.96	2009	K.M. Shankar
Aqua.	Biofilm of bacterial pathogen as a novel oral vaccine for aquaculture - further evaluation and standard - Platform on fish and shellfish vaccine development	DBT	47.19	2009	K.M. Shankar
Aqua.	Production and marketing of "farmer level Rapi Dot for detection of white spot virus	KVAFSU	10.00	2006	K.M. Shankar
Aqua.	Effect of carotenoids on growth, survival, body coloration and immune response in tiger shrimp, Penaeus monodon	Avasthegen Ltd, Bengaluru	1.20	2011	H. Shivananda Murthy
Aqua.	Hatchery seed production of freshwater prawn seed production	ICAR	8.20	2006	H. Shivananda Murthy
Aqua.	Improvement and propagation of indigenous fish for economic improvement of farmer	RKVY	88.65	2009	N. Basavaraja
Aqua.	Production of all-male population of ornamental fishes through application of aromatase inhibitor	DBT	34.93	2009	N. Basavaraja
Aqua.	Nursery rearing of murrel fry and standardization of protocols	KVAFSU	0.50	2011	Iqlas Ahmed



Fish. Micro	"DBT Programme Support for Research in aquaculture and marine biotechnology"	DBT	98.89	2007	Indrani Karunasagar
Fish. Micro	DBT - Bioinformatics - "Distributed Information Sub Centre (DISC)"	DBT	70.41	2007	Indrani Karunasagar
Fish. Micro	"Use of molecular techniques in the study of dinoflagellate cysts, blooms and their toxicity and mitigating the effects of harmful algal blooms in the Arabian sea".	SIDA	10.20	2010	Indrani Karunasagar
Fish. Micro	Indo Norwegian platform for fish and shellfish vaccine development - Development and evaluation of bacterial vaccines for finfish	DBT	51.41	2010	Indrani Karunasagar
FPT	"Capture and removal of ammonia from fish processing waste using Archaea"	ICAR	79.00	2011	B.B. Nayak
Fish. Micro	"Development of shrimp densovirus dsRNA as an immunoprotectant and delivery via probiotics and nanoparticle mode"	DBT	61.39	2011	Indrani Karunasagar
AEM	Assessment of Status of Riverine Fisheries and Linking with Water Quality Restoration-Tunga, Bhadra and Tungabhadra River, Karnataka	CPCB & KSPCB	20.00	2009	Gangadhara Gowda
AEM	Ecological monitoring of Arabian Sea receiving effluents from MCF Ltd	MCF	8.12	2012	Gangadhara Gowda
AEM	Monitoring of pollution impact by discharge of treated effluents from BASF Mangalore	BASF Ltd.	8.04	2011	H R V Reddy
AEM	<i>Bio monitoring studies of treated effluents'</i>	SSL, M'lore	0.17	2012	Gangadhara Gowda
AEM	Demonstration of Brackish water Polyculture Technology for Rural Development in Coastal Karnataka	NABARD	9.07	2011	M.T. Lakshmi pathi
AEM	Evaluation of biofilm on different substrates in shrimp ponds	KVAFS U	0.50	2011	Ganapathi Naik, M
AEM	Coastal water quality monitoring off Padubidri near the sea water intake and effluent discharge location by UPCL	UPCL	12.88	2011	H R V Reddy



AEM	Treated effluent analysis and monitoring of seawater quality off Chitrapur near the marine outfall of effluent from MRPL-ONGC, Mangalore	MRPL	9.48	2011	Mridula Rajesh
AEM	Impact of anthropological wastes on Ecological and microbiological parameters of Nethravathi-Gurupur estuary	KVAFSU	0.80	2011	Mridula Rajesh
AEM	Murrel fish seed production and distribution	ICAR	56.00	2012	Shivakumar, M.
FPT	Utilization of marine and freshwater fishes for value addition.	RKVY	102.60	2008	B A Shamasundar
FPT	Development of e-courses for BFSc degree programme	NAIP	130.92	2008	B A Shamasundar
FPT	Improving food security by reducing post harvest losses in the fisheries sector	EU, Brussels	163.38	2012	B A Shamasundar
FPT	"Community Based Enterprise development for the Women groups in Coastal Karnataka"	RKVY	20.60	2008	C.V.Raju
FRM	Creation of Awareness and Mass Training Programme on FAO's Code of Conduct for Responsible Fisheries among Fisherfolk of Coastal Karnataka	RKVY	8.50	2008	S.M. Shivaprakasha
F.Eco.	Economics of Myctophid harvesting, market surveys for consumer preferences, for Myctophid products and popularization of Myctophid products in the market	MES, GOI	25.00	2007	R. Munireddy
FET	Development of Artificial Reefs in inshore waters	RKVY, GOK	62.00	2011	B.Hanumanthappa
FET	To study the Efficiency of fabricated conventional and Mechanical Aerators in Shrimp /Fish Ponds"	KVAFSU	0.35	2009	S.Varadaraju

Institute of Animal Husbandry & Veterinary Biologicals, Bengaluru

IAH&V B	All India Co-ordinated Research Project on Animal Disease Monitoring and Surveillance	ICAR	4.00	1998	C. Renukaprasad Muniyellappa
IAH&V B	All India Co-ordinated Research Project for Epidemiological Studies on Foot and Mouth disease.	ICAR & GOK	31.31	1997	C. Renukaprasad Raveendra Hegde
IAH&V B	Southern Regional Disease Diagnostic Laboratory	GOI	100.00	1999	C. Renukaprasad M. D. Venkatesha and other Scientists of SRDDL.
BPD	All India Network Project on Blue Tongue Disease	ICAR	3.15	2011	C. Renukaprasad S. M. Byregowda



BPD	Strengthening of Biological prod. division of IAH&VB for increased production of vaccines for total health coverage of livestock and poultry rural farmers.	RKVV, GOK	1947.00	2009-10	Director, Scientist-4 & Scientists in Biological production wing.
BPD	Up gradation of vaccine production laboratories as per GMP for consistent supply of vaccines to livestock and poultry of farming community.	RKVV, GOK	2250.00	2010	Director, Scientist-4 & Scientists in Biological production wing.
BPD	Centre for development of vaccines and diagnostics with a special reference to emerging diseases affecting livestock and poultry of farming community.	RKVV, GOK	1100.00	2010	Director, Scientist-4 & Scientists in Biological production wing.
BPD	Development of vaccine and Diagnostic antigen for Mycoplasma infection in small Ruminants.	RKVV, GOK	117.00	2011-12	C. Renukaprasad S. M. Byregowda
Institute of Wildlife Veterinary Research, Kudige, Coorg					
IWVR	"Studies on renal insufficiency in wild felines"	ZAK	1.00	2011	M. Narayana Bhat S.Yathiraj, C.Renukaprasad, HAUpendra M.L.Sathyanarayana
IWVR	Studies on the health status of captive elephants in Kodagu District based on body condition index.	KVAFSU	-	2011	M.Narayana Bhat K.Sathyanarayana
Livestock Research & Information Center (Deoni), Hallikhed, Bidar					
LRIC	Studies on Parameters of Bidar District milk production and milk procurement	KVAFSU	0.15	2011	Satish Biradar, K.M Gadre
Livestock Research & Information Center (Sheep), Nagamangala					
LRIC	Mega Sheep Seed Project (Mandya Sheep)	ICAR	108.05	2009	R.Nagaraja Naveen Kumar,S,
Livestock Research & Information Center (Amruth Mahal & Hallikar), Konehally, Tiptur					
LRIC	AKDP	AH&VS	451.00	2009-10	H.K.Siddalingamurthy M.R.Jayashankar B.M.Paramasivaiah A.Murugeppa S.N.Sathyanarayananappa P.Mohan R.Shivakumar
LRIC	RKVV (Pig Developments)	AH&VS	125.00	2008-09	H.K.Siddalingamurthy A.Murugeppa S.N.Sathyanarayananappa P.Mohan R.Shivakumar



LRIC	NAIP	ICAR	18.09	2009-10	A.Murugeppa H.K.Siddalingamurthy S.N.Sathyaranayanappa P.Mohan R.Shivakumar
Fisheries Research & Information Center, Hebbal, Bengaluru					
FRIC	Strengthening of water and soil testing and fish health diagnostic laboratory and training to farmers in inland aquaculture	RKVY, GOI	226.00	2008	Y. Basavaraju K.B. Rajanna
FRIC	Development of brood bank for Common carp	NFDB, GOI	60.50	2011	Y. Basavaraju G.Y. Keshavappa K.N. Prabhudeva K.B. Rajanna
Fisheries Research & Information Center, Hesaraghatta, Bengaluru					
FRIC	Development of technology for culture of brackish water Asian Sea bass (<i>Lates calcarifer</i>) in freshwater system	KVAFSU	RF	2011	G.Y. Keshavappa
Fisheries Research & Information Center, Bela, Ankola					
FRIC	Evaluation and validation of proprietary biological formulations for water quality management and enhancing fish production in aquaculture ponds	Lonestar Intl., USA	4.00	2011	E.G. Jayaraj H. Shivananda Murthy
FRIC	Ornamental Fish Culture for Rural Livelihood, Self Employment and Poverty Alleviation	RKVY, GOI	91.56	2009	E.G. Jayaraj K.S. Ramesh

Abstract of Ongoing Research Projects at KVAFSU, Bidar during 2011-12

#	Source of Funding	No. of ongoing projects	Amount (Rs. In lakhs)
I	Extra Mural Funding		
	a) Veterinary/Animal Science Division	33	8704.43
	b) Dairy Science Division	2	22.00
	c) Fisheries Science Division	27	1772.54
II	KVAFSU Funding		
	a) Veterinary/Animal Science Division	37	10.23
	b) Dairy Science Division	3	0.40
	C) Fisheries Science Division	6	2.25
	Total	108	10511.85



b. Research Highlights

Veterinary College, Hebbal, Bengaluru

- 1) **Title: AICRP on Poultry Breeding for Meat**
 - Germplasm supplied: 79,689 day-old chicks
 - The revenue generated: Rs 22, 57,938
- 2) **Title: Evaluation for Season wise occurrence of Aflatoxins in poultry feeds and feedstuffs**
 - Collection of feed/ feed ingredient samples from different areas for winter season is completed.
 - Standardization of the technique for aflatoxin analysis by TLC is done
 - Screening of the samples for aflatoxin contamination will be done shortly
- 3) **Title: Evaluation of performance of synthetic coloured broilers on replacing inorganic source of Zinc and Manganese with**
 - Analysis of the test feed formulations for proximate principles has been done
- 4) **Title: Evaluation for Season-wise occurrence of Aflatoxins in poultry feeds and feedstuffs**
 - Collection of feed/ feed ingredient samples from different areas for winter season is completed.
 - Standardization of the technique for aflatoxin analysis by TLC is done
- 5) **Title: Funds for Improvement of Infrastructure in Paraclinical Division**
 - Computer facility has been established
 - Procurement of equipments under phase I is completed
- 6) **Title: Out reach programme on zoonotic diseases: Projects on diagnosis of rabies in animals**
 - Epidemiological survey was conducted on Rabies and Anthrax diseases from among the Veterinary Institutions in Karnataka

involving the entire AH and VS departments. The data obtained is being analysed.

- The routine demonstration of Negri bodies from brain impression smears in suspected cases of rabies from canine population and livestock stained with Sellar's stain for the purpose of diagnosis was continued. The brain samples were preserved at -20°C and glycerol saline for future use. Also the positive and negative tissues were collected and preserved in formalin for histo-pathology, FAT and Immunohistochemistry.
- Standardization of FAT using FITC conjugate - Standardization of FAT using Ant Rabies FITC conjugate was done during this period.
- Standardization of IHC -Immuno histochemistry for the demonstration of rabies viral antigen was done making use of monoclonal anti rabies antibodies in brain tissue smears. The IHC staining showed 100% specificity and the results were comparable to that of FAT.
- 7) **Title: Centre of excellence in pathology and establishment of modern histopathology**
 - Evaluation of efficacy of *Gymnema sylvestre* (Madhunashini) in streptozotocin induced diabetes in rats
 - Creation of PhD fellowship/ Senior research fellow to carry out the research work on evaluation of antidiabetic properties of certain herbal preparations in the experimental rats.
- 8) **Title: Experimental work on Study on evaluation of efficacy of *Gymnema sylvestre* (Madhunashini) in streptozotocin induced diabetes in rats**
 - The study was conducted in Wistar albino rats which were divided into five different groups each comprising of ten animals. The different groups included, Group-I (normal control), Group-II (Diabetic control), Group-III (glibenclamide treatment),



group- IV *G.sylvestre* at 50 mg/Kg b wt. Group-V *G.sylvestre* at 100 mg /Kg b wt. Diabetes was induced in rats of group-II to V by intra peritoneal administration of STZ at the dose rate of 45mg/kg. After 72 h post STZ injection diabetes status was confirmed by estimating serum glucose levels and it was observed that all the rats became diabetic with hyperglycaemia. The rats of Groups I, III, IV and V were gavaged daily with their respective treatments till 45th day of the experiment.

- The Group II diabetic rats remained hyperglycaemic throughout the study. The rats treated with *G.sylvestre* extract at 50 and 100 mg/Kg b wt revealed progressive significant improvement in body weight, haemoglobin value, serum glucose, cholesterol, triglycerides, AST, ALT, antioxidant enzymes and morphological architecture.
- *Gymnema sylvestre* in aqueous solution possessed dose dependent effect and 100 mg /kg b w was more effective in alleviating STZ induced diabetic effects and also in normalizing the microscopical architecture of pancreas, improving the number of beta cells and in enhancing the insulin secretion by the beta cells.

9) Title: Funds for Improvement of Science and Technology (FIST) infrastructure in universities and higher educational institutions

- *Diagnostic facilities created:* Binoocular microscope, SDS-PAGE Electrophoretic apparatus, Trans-Blot (SD) Semidry electro blot, Apparatus with power pack and Digital Microscope.
- *Reference books procured:* Diseases of Poultry by Y.M. Saif, Veterinary Microbiology and Microbial Diseases by P/J. Quinn, Veterinary Microbiology Bacterial and Fungal agents of Animal Disease by J. Glenn Songer, Veterinary Immunology by Ian. R. Tizard and A laboratory Manual for the Isolation and Identification of Avian Pathogens by David E. Swayne.

10) Title: Bovine Mastitis: Unravelling

Molecular details of Host Microbe Interaction & Development of Molecular Diagnostic Methods in collaboration with PD_ADMAS, JNCASR & IVRI:

- A total of 84 milk samples were collected from one organized farms and two unorganized sectors in and around Bengaluru. All the samples were screened for subclinical mastitis (SCM) status by employing SCC and EC.
- A total of 56 Streptococci, 45 *Staph. aureus*, 23 CoNS and 28 *E. coli* isolates were obtained from 84 milk samples subjected for isolation.
- Identified major virulence factors of *S.agalactiae* phenotypically and genotypically.
- Antibiotogram of *Streptococcus agalactiae* (n=15) isolates revealed highest sensitivity to Ampicillin with Sulbactum (94%) whereas; highest resistance was recorded against Ceftriaxone with Sulbactum (12%).
- Uniplex PCR is standardized to identify *S. agalactiae*, *S. dysgalactiae*, *S. uberis* and *Staph. aureus*.
- Simplex PCR could detect 7pg of DNA for *Staph. aureus*, 77 pg for *S. dysgalactiae*, 22pg for *S. agalactiae*, 25.5pg for *S. uberis* while it was 140pg DNA for *E.coli*.
- Sensitivity of PCR was 1cfu/mL for detection of *S. agalactiae*, *S. dysgalactiae* and *Staph. aureus* while it was 1000cfu/mL for *S. uberis* when spiked to both normal saline and milk. The sensitivity of PCR for detection of *E.coli* was 1000 cfu/ml when spiked in normal saline, while it was 10000cfu/ml in milk.
- A two tube multiplex-PCR was standardized to simultaneously detect five major mastitis pathogens viz., *S. agalactiae*, *S. dysgalactiae*, *S. uberis*, *Staph. aureus* and *E. coli*.
- A total of 147 bulk milk samples were collected from four milk chilling centres and screened for SCC and EC. The results of SCC indicated prevalence of SCM at 78



per cent (115 out of 147 samples) whereas, EC indicated prevalence of SCM at 63 per cent (92 out of 147 samples).

- The screening of the bulk milk samples for detection of five major mastitis pathogens (*S. agalactiae*, *S. dysgalactiae*, *S. uberis*, *Staph. aureus* and *E. coli*) by two tube m-PCR revealed the presence of pathogens in 81 bulk milk samples. *Staph. aureus* was the predominant pathogen detected (43 per cent), followed by *E. coli* (42 per cent), *S. dysgalactiae* (9 per cent) and *S. uberis* (6 per cent). The multiplex PCR assay developed in the present study was an easy and rapid method to simultaneously detect the five major mastitis pathogens, *Staph. aureus*, *S. agalactiae*, *S. dysgalactiae*, *S. uberis* and *E. coli* in bulk milk. Hence the regular analysis of bulk milk by m-PCR may be a useful tool for determining the herd status with regard to the detection of contagious and environmental mastitis pathogens.
- Associated with IVRI centre, Bengaluru in standardizing liquid phase blocking ELISA for detection of biomarkers in mastitic milk samples.
- Studies on phenotypic property of *S. agalactiae* isolates with special reference to biofilm formation (a virulence property) indicated three out of fifteen *S. agalactiae* isolates to be biofilm formers by tissue culture plate (TCP) method.

11) Title: Rational Development of an effective Vaccine for the Prevention of *Staphylococcal* Mastitis in bovines using mouse mastitis as a model system

- Collection of Samples: Milk samples were collected from different geographical regions of Karnataka state. A total of 314 milk samples were collected from organized (7 farms, 147 samples), unorganized (8 villages, 152 samples) sectors and Clinical samples (15 samples). Out of 314 samples collected, 280

Staphylococci were isolated, majority (145 isolates) were found to be Coagulase Negative Staphylococci (CoNS) and the rest (135 isolates) were Coagulase Positive Staphylococci (CoPS).

- Biochemical properties have been studied for 135 CoPS isolates & 145 CoNS isolates with respect to Growth on MSA and Mannitol Fermentation, Catalase, Coagulase, Thermanuclease, Urease and Voges Proskauer's test.
- Biochemical properties have been studied for all CoNS isolates in addition to the above tests: Alkaline Phosphatase, ONPG, Arginine Utilization and Sugar fermentation tests for Sucrose, lactose, arabinose, raffinose, trehalose & maltose.
- Antibiogram studies indicated high resistance of *S. aureus* to Amoxicillin sulbactum (86%) and Ampicillin (78%).
- PCR studies for 92 CoPS isolates (Karnataka) have been performed with respect to 'tuf' gene and 'nuc' gene for genus and species identification respectively for *Staphylococcus aureus*.
- PCR based Capsular typing showed high prevalence of Capsular Type 1 (86 %) of *S. aureus*
- Two tube multiplex PCR was developed to speciate CoNS. Among CONS, *S. chromogenes*, *S. epidermidis* and *S. sciuri* were found to be the predominant species.
- Phenotypically, highest resistance was detected to Oxacillin (98.6%) and Methicillin (88.2%) in CoNS, whereas highest sensitivity was recorded for Chloramphenicol (83.5%) followed by Enrofloxacin (69.0%) and Gentamicin (60%).

12) Title: Pharmacological & Therapeutic Evaluation of Cattle urine

- Antidiabetic property of cow urine is established
- Safety property of cow urine is established
- Pharmacological and therapeutic activity of Deoni cattle urine was evaluated and it was



- proved to have antidiabetic activity.
 - Pharmacological and therapeutic activity of Malnad Gidda cattle urine is being evaluated.
- 13) Title: Obscure diseases of cattle and buffaloes of Karnataka: Studies of Cause and Cure**
- The reason for incidences series of fracture of fractures in humerus bone is attributed to mycotoxicosis in Sirsi and Bantwal area.
 - The posterior paralysis in cattle of Shivamogga district is also attributed to mycotoxicosis and further research is going on in isolation and identification of these fungi.
- 14) Title: Sonographic Evaluation of Fetal Development in Bannur Ewes**
- The birth weight of the lambs was recorded in 52 animals that were born between January 2011 to March 2012. The average birth weight in Bannur lambs was 1.75 kg with the standard deviation of 0.1602. The lamb weight at birth ranged between 1.3 kg to 2.0 kg that indicated the wide variation in birth weight. This wide variation could be due to many factors such as age of the mother, the number of times the ewe has given birth to young ones (stage of multiparity), maternal nutrition and seasonality such that there was the reduced birth weight of lambs which was encountered during winter months.
- 15) Title: Ruminant Pattern in different Breeds of Cattle**
- The study on the behavioral aspects of rumination pattern in different breeds of cattle has indicated that there was no significant difference in jaw movements among the breeds during re-mastication. The biasness in jaw movements indicated that it was more biased jaw movements towards right compared to left. The pause time of remastication was estimated to be 4 seconds per minute.
- 16) Title: Preparation of maize straw silage in the laboratory**
- After successful completion of preparation of maize straw silage in the laboratory, a feeding trial with 8 crossbreed lactating cows was completed. The design of the experiment was switch over with 2 treatments (dried straw and maize straw silage) and 2 periods of 6 weeks duration. The feed offered was maize straw / silage, ragi straw and concentrate mixture. Milk composition, milk yield and body weight were recorded. Further, experiments through farmer participation is in progress.
- 17) Title: Effect of feeding different energy levels on the growth performance**
- Results indicated that low energy diet containing 2243 kcal of DE / kg of diet was optimal to obtain satisfactory growth. Effect of feeding different energy levels on the Kindling performance, the experiment is in progress.
- 18) Title: Clinical efficacy of spinal stapling technique in providing stability to spinal fractures**
- The results of the present study indicated that the clinical efficacy of spinal stapling technique in providing stability to spinal fractures was poor, as it is going to stabilize only a small portion of the dorsal compartment of the vertebral body.
- 19) Title: Studies on subacute ruminal acidosis in cows**
- A total of 100 dairy cows were screened for subacute ruminal acidosis (SARA) of which 9 animals were found to be positive for SARA. Further it was fund that SARA was more in cows in late lactation and SARA reduced the milk fat per cent.. Increased liver specific enzymes, altered fecal consistency and structure, altered MBRT and sedimentation time of rumen fluid and altered microbial composition was found.
- 20) Title: Studies on total protein and fibrinogen as indicators of inflammation in cattle**
- Standardisation of fibrinogen levels in normal cattle was done with Fibroquant®



reagent was done. Fibrinogen levels were assessed in cattle suspected for traumatic reticuloperitonitis and pericarditis. Comparision of fibrinogen levels with leukocyte count revealed that both are elevated in inflammation.

21) Title: Study of prevalence of Toxoplasmosis in cats

- Feline toxoplasma kit was procured and test was standardized. Fecal samples from cats were collected and screened for common parasitic ova. The study will be completed in next 6 month.

22) Title: Studies on vaginal bacterial flora of normal and infertile dogs

- Aerobic bacterial flora were identified and quantitated in 40 vaginal samples obtained from normal healthy bitches during different stages of the estrous cycle. The count at the estrus stages was significantly higher than that at the proestrus, pregnancy stages. The common organisms isolated from the vagina were bacteroidaceae, streptococci and pasteurella spp.*E.coil* and staphylococci were frequently isolated from the vagina. There were no pathogenic findings in most of the vaginal samples during estrous cycle of healthy and pregnant bitches.

23) Title: Study prevalence of Brucellosis in Bovines

- Collected serum samples from various parts of Karnataka

24) Title: Evaluation of reproductive traits of Indigenous Goats in Selected villages of Bengaluru Rural District

- Totally 85 farmers were identified to possess breeding flocks of goats in the four taluks (Doddaballapur, Kanakapura, Hoskote and Magadi) taken for the study. A total of 1908 goats were identified to study the various reproductive traits. The adult males, females and kids (less than six months of both sexes) were 17% (332), 63% (1185) and 20 % (680), respectively, of the total flock. From among the total

flocks 25% (492) were pregnant females and 19% (380) were lactating goats. Further follow up of the identified flocks is continued to arrive at the various reproductive traits of indigenous goats in Bengaluru rural district.

25) Title: Molecular genetic studies on Butyrophilin gene and its association with milk quality traits in cattle

- Blood samples were collected from 25 HF and 25 Hallikar cattle. DNA was isolated and quality and quantity of DNA were determined by Spectrophotometer. The technique for PCR amplification of Butyrophilin gene was standardized.

Veterinary College, Bidar

1) Title: Mortality pattern of broiler birds affected with Respiratory disorders in and around Bidar

- Aspergillosis/Brooder Pneumonia-12 birds affected- Prevalence is 40%
- Infectious Coryza- 06 birds affected- Prevalence is 20%
- Infectious Coryza- 05 birds affected- Prevalence is 16.66%

2) Title: Clinical evaluation of LCP and DCP plates for long bone fractures in canines and small ruminants

- Initial results have shown feasibility of LCP and DCP plates in canines and small ruminants for long bone fracture treatment.

3) Title: Toxicity Studies of Pazufloxacin in Mice

- Pazufloxacin as administered daily once to mice (dose: 60mg/kg) after reconstituting with solvent for a period of two weeks (Group I: ten mice) and for four weeks (Group II: ten mice) in two groups of mice. The animals were closely monitored for the appearance of abnormal clinical changes if any. Neurological signs were predominant in some of the members of both the groups.



Blood samples collected at weekly intervals were subjected to haematological analysis and vital organ function tests. The hepatic damage was evident from raised levels of hepatic function enzymes. The vital organs collected from the mice were subjected for histopathology examination.

4) Title: Pharmacokinetics of Pazufloxacin in Rabbits

- Pazufloxacin was administered to the rabbits orally 60mg/kg
- The collected plasma from the blood samples collected at different time intervals after the drug administration over a period of 48 hours, was subjected for pharmacokinetic analysis using High performance liquid chromatography. The various Pk parameters viz., K_{el} (h⁻¹), A g (ml⁻¹), α (h⁻¹), B(g ml⁻¹), $t_{1/2K_a}$ (h), $t_{1/2D}$ (h), AUC (g ml⁻¹h), AUMC (g ml⁻¹h²), $V_{d(\text{area})}$ (L Kg⁻¹), $V_{d(B)}$ (L Kg⁻¹), CL_B (L Kg⁻¹h⁻¹), MRT (h), t_{eq} (h) was analyzed

Veterinary College, Shivamogga

1) Title: Studies on the effect of curing and combinations of flour on quality of enrobed chicken

The best combinations for most of the Sensory attributes of enrobed chicken are;

- T_3 (8.5BGF:1.5CF) for Bengal gram and Corn flour combination.
- T_{11} (4.5BGF:5.5CF) for Bengal gram and Maida flour combination.
- T_{14} (3BGF:7RF) for Bengal gram and Rice flour combination.
- T_4 (8BGF:2BF) for Bengal gram and Barley flour combination.
- Therefore, the experiments are conducted for Comparison of effect of combination of flours on physico-chemical quality of enrobed chicken only for the above four combination viz., T_3 (8.5BGF:1.5CF), T_{11} (4.5BGF:5.5MF), T_{14} (3BGF:7RF) and T_4 (8BGF:2BF).

- The coating pick up was highest in T_4 (8BGF:2BF)
- T_4 is having highest cooked yield than followed by $T_{11} > T_{14} > T_3$.
- The product made from combinations of Bengal gram flour and Maida flour (T_{11}) contained higher fat content compared to other treatment.

2) Title: Livelihood Security through Resource and Entrepreneurship Management in Bidar District

Goat Husbandry:

- Graded Osmanbadi bucks of 262 Nos. Were made available on cost basis to cover 9500 local goats of 262 goat rearing households.
- Generated an average income of Rs.63000/- per family per year for 240 poor households

Dairy production:

- Cross breeding of local cattle and buffaloes by A.I. services resulted in 786 crossbred and 187 Deoni calves. In addition 8 AI workers and 24 Fist aid workers are made available for service delivery in 24 villages.
- 2950 tones of fodder was produced through 13 improved varieties of fodder plots in the project area and saved more than 1200 Tons. Of fodder in terms of wastage by introducing chaff cutters.
- Strategic supplementation of supplementary feed and feed additives in goats resulted in increase in birth wt. by 0.65kg, twinning percentage of 10%, growth rate of kids and reduction in mortality of kids.
- Supplementation of area specific mineral mixture/feed additives/trace minerals/concentrated feed to buffaloes resulted in increase in milk yield by 0.75-1 lit. and conception rate by 9% and reduction in inter-calving period for about 4 months.



3) Title: Pathology of small ruminants in and around Shivamogga

- Twenty two lung specimens have been collected from three different slaughter houses located in and around Shivamogga till date, during the monsoon and winter months.
- The lungs showing pathological changes only are collected from the slaughter houses and subjected for gross examination, impression smear examination, microbiological examination and histopathological examination.
- Most commonly observed pathological changes were Suppurative bronchopneumonia, Fibrinopurulent pneumonia, multiple abscess, Interstitial pneumonia with foetalisation, non-specific granuloma, agonal haemorrhages, aspiration pneumonia in that order.
- Most common bacterial species observed were *Streptococcus* spp., *Diplococci*, *Corynebacteria* and in a few cases *Nocardia*.
- In one case, parasitic hydatidosis was noticed.

**Dairy Science College, Hebbal,
Bengaluru**

1) Title: VTCC network project on Dairy Microbes Nodal centre Dairy Science College, Bengaluru

- Earlier phenotypically identified 116 numbers lactic acid bacterial isolates, 10 isolates such as were outsourced for gene sequencing and *Lactococcus lactis* ssp.*lactis*; *Lactococcus lactis* ssp.*cremoris*; *Lactococcus lactis* ssp.*diacetylactis*; *Leuconostoc mesenteroides* ssp.*dextranicum*; *Lactobacillus fermentum*; *Lactobacillus hilgardi*; *L. delbueckii* ssp.*bulgaricus*; *L. equi*; *L. agilis* and *L. viridescens*
- Dahi samples of 10 numbers were obtained from in and around Chintamani ; and subjected to enumeration of Total Bacterial Count, Lactococcal count, Lactobacilli,

Leuconostoc, Yeast using Standard Plate Count Agar, Neutral Red Chalk Lactose Agar (NRCLA), MRS, Malt Extract Agar respectively. Enumeration of *Streptococcus thermophilus* was carried out by subjecting to laboratory pasteurization. And further serial dilution and plating using NRCLA. Lactococcal count of 0.3.9 log₁₀ cfu/g; *S. thermophilus* of 0.0 to 1.8 log₁₀ cfu/g; leuconostoc of 0.0 1.9 log₁₀ cfu/g and lactobacilli of 0.00 to 1.8 log₁₀ cfu/g; TBC of 4.0 to 4.8 and Yeast of 0.0 to 1.8 were found in the above mentioned samples.

- Genotypically identified isolates of 10 numbers were given NCDC number; freeze dried and submitted that included : *Lactococcus lactis* ssp.*lactis* 611 (Helix 1-1361); *Lactococcus lactis* ssp.*cremoris* 612(Helix 2- 1362); *L.viridescence* 613(Helix 13-1448); *L.agilis* 614 (Helix 11-1395); *L.equi*615(Helix 10-1446); *L. delbueckii* ssp. *bulgaricus* 616 (Helix 9-1387); *Lactobacillus hilgardi*617(Helix 8-1511); *Lactobacillus fermentum* 618 (Helix 7- 1441); *Leuconostoc mesenteroides* ssp.*dextranicum* 619 (Helix 6-1354); *Leuconostoc lactis* 620 (Helix 5-1395) and *Lactococcus lactis* ssp.*diacetylactis* 621(Helix 3-1384). *Leuconostoc mesenteroides* ssp. *paramesenteroides* and *L. mesenteroides* ssp. *mesenteroides* were also freeze dried and submitted and after gene sequencing the NCDC number will be given latter. DNA was extracted from *Lactobacillus bulgaricus* PLab2; *Lactobacillus acidophilus* PLab4; *Leuconostoc* sp. PLeu5 and *Lactococcus lactis* ssp.*Diacytlylactis* PLac3.

➤ A total number 92 isolates were picked from 10 dahi samples in and around Chintamani. Among these 92 isolates 31 isolates were lactic acid bacteria; 38 isolates were bacterial isolates and remaining 23 isolates belonged to yeast. Out of 13 numbers of lactococci, 1 isolate was identified as *Lactococcus lactis* ssp.*cremoris*; 7 isolates were *Lactococcus lactis* ssp.*diacetylactis* and remaining 5



isolates were grouped as *Lactococcus* spp. as they showed variation in the results with respect to identification key. Only 2 isolates were identified as *Streptococcus thermophilus*. Among 16 isolates of leuconostoc, 3 isolates were identified as *Leuconostoc mesenteroides* spp *mesenteroides*; 1 isolate as *Leuconostoc cremoris* and remaining 12 isolates as they showed variation in their biochemical activities were generally placed as *Leuconostoc* spp. Bacterial isolates (38 nos.) obtained from total bacterial count plates and 23 numbers were Yeast. Among 38 isolates of bacteria, 2 isolates were *Micrococcus* spp., 13 were *Staphylococcus* spp., 7 were *Bacillus* spp., 2 were Gram negative rods and 14 were Gram positive fermentative cocci. The identification of 23 isolates of yeast revealed the identity as *Kluveromyces lactis* (1 no.), *Saccharomyces cerevisiae* (11 nos.) and *Saccharomyces bisporus* (11 nos.).

- 2) **Title: Development of Rapid Quality Kit to Determine the Quality of Raw Milk**
➤ Can milk samples of 5 numbers were

collected aseptically and subjected to rapid grading test ie. Clot On Boiling (COB), Alcohol and Alcohol-alizarin test ; rapid microbiological tests such as Direct Microbiological count(DMC); Dye Reduction Test(DRT) Resazurin reduction test & Methylene Blue Reduction Test(MBRT) and also for conventional microbiological tests such as Total Bacterial Count(TBC) and Coliform Count. All the 5 can milk samples showed negative for COB. The titratable acidity of the can milk samples ranged from 0.14 to 0.15%; reduction time of methylene blue was between 4.5 to 5 hrs.; RRT showed disc of 5 after 10 min. and was 1 after 1 hour incubation. DMC of the milk samples ranged from 6.35 - 6.66 per ml while TBC were between 5.40 and 7.13 \log_{10} cfu per ml and coliform count of 2.30 to 5.26 \log_{10} cfu per ml. Can milk sample C₂ and C₃ showed higher TBC (7.13 \log_{10} cfu per ml) and coliform count (5.26 \log_{10} cfu per ml). Further, can milk samples are to be collected in order to determine the correlation among the tests conducted for assessing the quality of can milk.





Institute of Animal Husbandry & Veterinary Biologicals, Bengaluru

- 1) **Title: All India Co-ordinated Research Project on Animal Disease Monitoring and Surveillance**

Details of the Outbreaks, Attacks and deaths due to Notifiable diseases in the state during 2011-12

#	Disease	Obs	Attacks	Deaths
1	Haemorrhagic Septicaemia	69	291	143
2	Black Quarter	108	280	132
3	Enterotoxaemia	39	401	127
4	Rabies	6	19	10
5	Anthrax	5	8	8
6	Peste des Petits Ruminants	2	29	5
7	Sheep and Goat Pox	15	437	233
8	Blue Tongue	5	49	5

- 2) **Title: All India Co-ordinated Research Project for Epidemiological Studies on Foot and Mouth disease.**

*Progress report of foot and mouth disease bengaluru regional centre
During the period 2011- 2012*

Months	No of outbreaks	Virus identified during outbreaks	No. of clinical Samples processed	Virus type identified				No. of pre/post & Diva vaccinal sera samples processed	Total no of samples processed
				O	A	Asia 1	VNR		
Apr- 11	3	O	09	4	-	-	5	442	463
May- 11	-	-	-	-	-	-	-	20	20
June- 11	-	-	-	-	-	-	-	23	23
July- 11	2	O	3	1	-	-	2	465	473
Aug-11	-	-	-	-	-	-	-	817	817
Sept- 11	2	O	4	2	-	-	2	463	473
Oct- 11	8	O	23	12	-	-	11	463	517
Nov- 11	3	O	12	7	-	-	5	644	671
Dec- 11	4	O	22	10	-	-	12	387	435
Jan-12	17	O	54	36	-	-	-	1099	1206
Feb-12	11	O & Asia-1	28	5	-	8	15	3178	3206
Grand Total	50		155	72	-	8	52	8001	8304



- 3) **Title: All India Network Project on Blue Tongue Disease**
- Regular seromonitoring is being carried out
 - Comparative analysis of RT-PCR for different genomes was assessed for diagnostic purpose
 - Isolated four BTV isolates and are typed as BTV-10 and BTV-16
 - Developed diagnostic antigens recombinant proteins for ELISA is being evaluated.
- 4) **Title: Strengthening of Biological production division of IAH&VB for increased production of vaccines for total health coverage of livestock and poultry rural farmers.**
- Strengthening of the vaccine production capacity of the Institute which can cater to the needs for next 10 years
 - Production capacity both bacterial and viral would be increased from present capacity to required quantity to achieve herd immunity in phased manner and will be supplied to the livestock of farmers free of cost
 - Increased herd immunity among livestock for specific diseases
 - Decreased outbreaks of the diseases because of mass vaccinations
 - Decreased mortality in animals. Even 0.1% of animals are saved from diseases, it will save Rs. 38.00 Crore (Total livestock value of state estimated at Rs, 38,000.00 Crore)
 - Increased income and overall economic growth of rural farmers
 - Increased motivation for livestock farming
 - The vaccine production has been enhanced and in a record two months 1.30 crore doses of PPR vaccine has been produced and supplied for National PPR control programme
- 5) **Title: Up gradation of vaccine production laboratories as per GMP for consistent supply of vaccines to livestock and poultry of farming community.**
- Well-equipped Laboratories upgraded as per GMP norms with improved hence laboratories facility for production of veterinary vaccines
 - Uniform quality and consistent supply of vaccines to farmers for increased percentage of vaccinations in the state.
 - Decreased outbreaks of the diseases and decreased mortality of animals. Even 0.1% of animals are saved from diseases, it will save Rs. 38.00 Crore (Total livestock value of state estimated at Rs, 38,000.00 Crore)
 - Increased income and improved overall economic growth of rural farmers
 - Increased motivation for livestock farming
 - Surplus vaccines could be stored in cold room for exigencies
 - Facilities would be of use for the production of newer vaccines
- 6) **Title: Centre for development of vaccines and diagnostics with a special reference to emerging diseases affecting livestock and poultry of farming community**
- Reemergence of older diseases like Newcastle disease, Infectious bursal disease where the existing vaccines are failing, research in the relevant area will help in developing suitable vaccine which will directly benefit the farmers.
 - The preparedness for any new disease before it strikes on larger scale is utmost important in early control of livestock diseases.
 - Research in the areas of diseases which are newly reporting in the state will help in timely control of livestock diseases.
 - Development of new generation vaccines and diagnostics which are cost effective is



- need of the hour and research in the area will help in providing the world-class vaccine to the livestock of the farmers.
- Development of thermostable vaccines will help in effective distribution of vaccines in rural areas without the need for maintaining the cold chain.
 - Development of new generation diagnostics will help in early detection of diseases in case of outbreaks.
 - The latest diagnostics based on recombinant proteins and nucleic acid diagnostic methods using PCR and RT PCR will help in giving rapid and confirmatory diagnosis of diseases where differentiation of diseases is required.
 - Research in the area of molecular biology will help in identifying the vaccine failures and also help in developing pen side kits which can be used by a field veterinarian.
- 7) **Title: Development of vaccine and Diagnostic antigen for Mycoplasma infection in small Ruminants**
- The related equipments are being purchased and a separate laboratory is being setup for the work.
 - Five of the isolates of mycoplasma from sheep are being passaged and work is under progress to develop the diagnostic antigen first and later an inactivated vaccine.
- 8) **Title: Influence of time and space on vaccine production under Ethno Veterinary practices**
- Preliminary studies have been conducted on Bluetongue virus, Clostridial organisms (BQ) and *Pasteurella multocida* (HS vaccine).
 - The vaccine was prepared at different time intervals and the yield was observed and the results interpreted
- Livestock Research & Information Center
(Sheep), Nagamangala**
- 1) **Title: Mega Sheep Seed Project (Mandya Sheep)**
- The rolling flock strength of the unit stands at about 300 animals excluding 45 elite breeding Rams that were distributed to the beneficiary farmers.
 - So far a total of 05 centers comprising 450 to 2500 sheep per center have been identified and the benefits of the project is being extended to the beneficiary farmers.
 - In terms of capacity building measures; strengthening of the institutional facilities such as construction/renovation of new or existing sheep sheds, construction of sheep yard area that is sufficient enough to accommodate about 1000 animals. Creation of land and water resources for fodder production has been accomplished. Since the inception of the project, with the financial support from the University approximately Rs. 30 lakhs worth of infrastructure has been created to support the project activities.
 - Through the project activities employment opportunities such as need based work entrustment was provided to support the landless and unemployed people from the local communities.
- Fisheries Research & Information Center, Hebbal, Bengaluru**
- 1) **Title: Strengthening of water and soil testing and fish health diagnostic laboratory and training to farmers in inland aquaculture**
- The project aims to establishment of a full fledge water, soil analysis and fish health laboratory to extend the analytical support to farming community. It also aims to improve the skilled human resource in the above mentioned areas.
 - Created laboratory facilities required (including equipments) for soil, water and fish health studies. Created training facilities to impart training for farmers and officers of the dept. of fisheries. Analyzed soil, water, feed, and plankton samples (>600) from farmers, Dept. of fisheries, BBMP, JSYS and other



organizations of Karnataka. Analyzed water samples of 10 lakes in and around Bengaluru where mass fish mortality was observed. Leaflets, broachers and profile on Fisheries Research & Information Center (I) are published.

2) Title: Brood bank development of Common carp, *Cyprinus carpio*

- Established around 350 numbers of Common carp brood stock as the base population. Common carp breeder seed were produced from 56 individual pairs and seed supplied to four hatcheries in the country Markonahalli-Karnataka, Gangtok-Sikkim, Umeroi-meghalay, Panthnagar-Uttarkhand. Four demonstrations are under progress to assess the performance of Common carp under mono (2) and polyculture (2).

Fisheries Research & Information Center, Hesaraghatta, Bengaluru

1) Title: Broodstock development of Common carp, *Cyprinus carpio*

- The breeding programme was began with the establishment of base population (300 nos.) using the available common carp stocks of FRIC, Hesaraghatta. Off the base population, 70 pairs of common carp were bred separately during the month of Feb. 2011. The equal no. of spawn were collected all from successful pairs (70) are being reared. The fingerlings obtained from this are distributed to the different hatcheries (Uttarakanda, Sikkim,

Karnataka & Udyapur (Rajasthan) to develop to future broodstock and seed production.

Fisheries Research & Information Center, Bela, Ankola

1) Title: Evaluation and validation of proprietary biological formulations for water quality management and enhancing fish production in aquaculture ponds

- Ammonia build up in the pond water is the main problem that affects survivality of fishes stocked. In this connection employing consortium of bacteria was tried and it was found that application of bacterial formulation was effective in the control of ammonia.

2) Title: Ornamental fish culture for rural livelihood, self employment and poverty alleviation

- An ornamental fish germplasm inventory showed that there are 43 indigenous Western Ghat fishes having ornamental value for trade and export. Captive breeding and rearing of Garra gotyla has been achieved for the first time in the world. A new fish species hither to undescribed has been found in the Western Ghat. F2 domesticated stocks of Puntius narayani and Puntius faciatus are found to breed easily in the aquariums without any intervention. Vermi compost incorporated Species specific feeds has been developed for Western Ghat loaches



3. Research Collaborations/MOUs

Directorate of Research, KVAFSU, Bidar

List of MOU's signed by the University at International Level

<i>SL. No.</i>	<i>Institutions involved in MOU</i>	<i>Date of MOU</i>	<i>Details Regarding MOU</i>	<i>Remarks</i>
1	James Cook University, Australia	26-8-2011	Collaborative Research and Student / Faculty exchange programme	-
2	University of Surrey, UK	11-01-2012	Collaborative Research Programme	-

List of MOU's signed by the University at National Level

#	<i>Institutions involved in MOU</i>	<i>Date of MOU</i>	<i>Details Regarding MOU</i>	<i>Remarks</i>
1	Indian knowledge Commission, Pune & KVAFSU Bidar.	27-6-2011	Capacity building in Animal Sciences	Offering Certificate Courses
2	KVAFSU, Veterinary Collage, Bengaluru and Compassion Unlimited Plus Action (CUPA), Bengaluru	30-06-2011	Collaborative Research and Extension activity	-
3	KVAFSU, Bidar and Karnataka Fisheries & Development Corporation, Mangalore	17-7-2011	Utilisation of facilities to run canning, Ham & Sausage at College of Fisheries, Mangalore	3 years on lease basis
4	KVAFSU, Bidar & National Dairy Research Institute (NDRI), Karnal.	3-8-2011	Collaborative Research, Staff and Students exchange Curriculum development	2 Years
5	KVAFSU, Veterinary College, Bengaluru and National Research Centre on Meat, Hyderabad	15-11-2011	Collaborative Research Extension and training for entrepreneurs and formers	10 Years
6	KVAFSU, Bidar & Altech Group, Bengaluru	18-11-2011	Nutrition Research Alliance	Effective for one year
7	KVAFSU, Bidar and Karnataka Fisheries & Development Corporation, Mangalore	2-01-2012	Encourage & facilitate Co-operation in the field of Fisheries	Utilization of farm facilities at FRIC, Hebbal for a period of 10 years
8	KVAFSU, Veterinary College, Bengaluru and Alltech Nutrition Research Alliance, Bengaluru	05-01-2012	Collaborative Research and Extension activity	5 Years
9	KVAFSU, and Provimi Animal Nutrition India Pvt. Ltd. Bengaluru	03-02-2012	Collaborative Research and Extension activity	2 Years



5. Awards/Recognitions

A) Awards/Recognitions

#	Name of the Scientist	Award	Year	Agency
Veterinary College, Hebbal, Bengaluru				
1.	Dr. Placid E. D'Souza Professor and Head	National Fellow	2011	Indian Association for the Advancement of Veterinary Parasitology
2.	Dr. Shrikrishna Islor	Appreciation certificate for extra mural project to the University	17 th Jan 2012	KVAFSU, Bidar
3.	Dr.Santhosh Kumar C N MVSc Student Major Advisor Dr N B Shridhar	Best Poster	2011	ISVPT
4.	Nair Dhanya Venugopalan	Best Poster	2011	-do-
5.	Dr. H. N. Narasimhamurthy	First Rank for AICRP Project	2011-12	ICAR, New Delhi
6.	Dr. B.N. Nagaraja	Young Scientist	2011-12	Indian Association of Veterinary Pathologists
7.	Recipient of as Guide of Dr.K.Kavitha	INTAS Young Scientist Award 2011	February 2011	ISVM, Mumbai
Veterinary College, Bidar				
1.	Ravindra B., Sandeep H., Vivek Kasaralikar and N A Patil	Best Paper Presentation Award	2012	ISVM
2	Dr. MK Tandle	Bharat Jyoti Award	2011	IIFS, New Delhi
		Fellow Award-2011	2011	Society of Animal Biotechnology
3	Dr. Prakashkumar Rathod	Ganga Singh Chauhan Memorial Award-2011	2011	Society of Extension Education, Agra.
Veterinary College, Shivamogga				
1	Dr. Lokesh.L.V.,	Best research paper award	2011	Society of Pharmacology & Toxicology
Veterinary College, Hassan				
1	Prof. Vasanth M. Shetty	“Rajiv Gandhi Education Excellence Award”	2011	IIEM, New Delhi
2	Dr. S. B. Prasanna	“Key Driver” on Animal Welfare Issues	2011	WSPA, UK, London


College of Fisheries, Mangalore

1	Prabhu Gouda, Shilpa, Mohan, Asha.	4 Best Poster Awards	2011	NACA, Bangkok
2	Indrani Karunasagar	Fellow of the National Academy of Agricultural Sciences - 2011	2011	ICAR, New Delhi

Institute of Animal Husbandry & Veterinary Biologicals, Bengaluru

1	Dr. Renukaprasad C., Dr. V. T. Shilpa S. Nagaraja	Best (First) Presentation (Oral)	2011	CWFH and MPPCV V, Jabalpur
2	Dr. Renukaprasad C.	"Best Veterinarian Award"	2011-12	Karnataka Veterinary Association
3	Dr. B. M. Chandranaiik	Dr. M. N. Kulakarni Memorial Young Scientist Award	2011	Veterinary College, Hebbal, Bengaluru

Fisheries Research & Information Center, Hebbal, Bengaluru

1	FRIC (I), Hebbal	As "B" grade Environmental laboratory for water & soil analysis.	2011-12	KSPCB, GOK
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Fisheries Research & Information Center, Bela, Ankola

1	Dr. E.G.JAYARAJ	Best Teacher Award	2011	PFGF, Mumbai
2	Dr. E.G.JAYARAJ	Certificate of Merit	2012	KVAFSU, Bidar
3	Mr. N. Manjappa	Certificate of Merit	2012	KVAFSU, Bidar

(B) Research Incentives

Research Grant Incentive Awards' and 'Merit Certificate awarded for mobilizing extra mural research grants by the scientists of the University

#	Name & Designation of the P.I	Name/s Designation of Co-P.I.s	Title of the Project	Funding Agency & Status	Date of Sanction	Duration	Budget Outlay (Rs. in Lakhs)	Cost of Project (Rs. in Lakhs)
I) Project(s) worth of Rs. 25.00 lakhs & Above (for PIs only) (Rs. 5000 + Certificate of Merit to PI & Merit of certificate to Co-PIs)								
1	S. Islloor Asst. Prof. VCH	-	Rational development of an effective vaccine for the prevention of Staphylococcal mastitis in bovines using mouse mastitis as a model system	DBT, GOI Status: International	July 2010	2010-13	19.60	110.62
2	Y. Basavaraju Professor FRIC, Hebbal	K. N. Prabhudeva G.Y. Kesavappa & K.B. Rajanna FRIC, Hebbal	Development of brood stock bank for common carp (Amur)	NFDB	2010 Feb	2010-13	22.90	60.50



3	Mridula Rajesh Asst. Prof. FCM	H.R.V. Reddy DR, KVAFSU, Bidar.	Treated effluent analysis and monitoring of sea water quality off Chitrapur	ONGC	2011 May	2011-14	9.50	28.50
4	Indrani Karunasagar Prof. & Head FCM	-	Capture and removal of ammonia from fish processing waste water using Archaea	NFBSFARA	May, 2011	2011-17	33.69	91.14
5	Indrani Karunasagar Prof. & Head FCM	-	Development of shrimp dinosaurs dsRNA as an Immunoprotectant and delivery via Probiotics and nanoparticle mode	DBT	July, 2011	2011-14	33.69	61.39
II) Project(s) worth of Rs. 15.00 lakhs & up to Rs. 25.00 lakhs (Rs. 3000 + Certificate of Merit to PI & Merit certificate to Co-PIs)								
1	D.B. Puranik Professor, DSC, Hebbal	H.G.R. Rao, Professor, DSC, Hebbal	Development of Health Food for Enhancement of Immunity in Geriatrics	DST, New Delhi.	Sept. 2011	2011-14	13.10	19.45
2	A.H. Shuaib Assoc. Prof. VCH	K. Jayakumar Professor, VCH	Multi Mycotoxin Analysis in Animal Feeds and Different Feed Ingredients	Altech Biotechnology Pvt. LTD., Bangalore	Dec. 2011	2011-12	6.53	16.74
3	H.R.V. Reddy DR, KVAFSU, Bidar.	Mridula Rajesh Asst. Prof. FCM	Monitoring of Pollution Impact by discharge of Treated effluents from BASF Ltd.	BASF	Jan 2010	2010-13	5.60	16.80
4	H.R.V. Reddy DR, KVAFSU, Bidar.	Mridula Rajesh Asst. Prof. FCM	Coastal water Quality Monitoring off Padubidri	Udupi Power Corporation Ltd.	Jan 2010	2010-13	8.00	24.00
III) Project(s) worth of Rs. 10.00 lakhs & up to Rs. 15.00 lakhs (Rs. 2000 + Certificate of Merit to PI & Merit certificate to Co-PIs)								
1	Mridula Rajesh Asst. Prof. FCM	H.R.V. Reddy DR, KVAFSU, Bidar.	Ecological monitoring of Arabian sea off Mangalore	Mangalore Chemicals and Fertilisers	Jan. 2010	2010-12	4.40	13.20
IV) Project(s) worth of Rs. 5.00 lakhs & up to Rs. 10.00 lakhs (Rs. 1000 + Certificate of Merit to PI & Merit certificate to Co-PIs)								
1	M.T. Lakshmi pathi Assoc. Prof. FCM	N. Manjappa Asst. Prof. FRIC, Ankola	Demonstration of brackishwater Polyculture technology for rural development in coastal Karnataka	NABARD, Bangalore	Nov. 2010	2010-12	4.43	9.07
V) Project(s) worth of Rs. 1.00 Jakh & up to Rs. 5.00 lakhs (Certificate of Merit to PI only)								
1	M. Narayana Bhat, Director, IWVR, Kudige		Studies on renal insufficiency in wild felines	ZAK, Mysore	July 2011	2011-12	1.00	1.00
2	C.R. Prasad, Director, IAH & VB, Bangalore		Identification of species from wildlife forensic materials based on molecular methods	ZAK, Mysore	July 2011	2011-12	1.00	1.00
3	M.S. Vasanth Dean, HVC		Studies on different drug combinations for general anaesthesia in lions (<i>Panthera leo</i>)	ZAK, Mysore	July 2011	2011-12	1.00	1.00



4	S. Yathiraj Dean, VCH		Evaluation of nutritional status of wild animals at Bannerghatta Biological park (BBP) & Mysore Zoo.	ZAK, Mysore	2011-12	2011-12	1.00	1.00
5	Nadeem Fairoze, Professor, VCH		Production of table eggs enriched with Zinc and Iron by incorporating organic trace minerals in layers diets	Novus Animal (India) Pvt., Ltd.	April 2011	2011-12	1.10	1.10
6	Nadeem Fairoze, Professor, VCH		Studies on decontamination of chicken carcasses using garlic and clove extracts	Life Line Feeds (India) Pvt., Ltd.	Nov. 2010	2010-11	1.61	1.61
7	Dr. N. B. Shridhar Asst. Prof., VCH		Anti cancerous and safety study of <i>Bridelia retusa</i> in rats	N. M. Academy, Bangalore	Aug. 2010	2010-13	3.43	3.43
8	H.S. Murthy, Professor, FCM		Effect of carotenoids on growth, survival, body colouration and immune response in tiger shrimp, <i>Penaeus monodon</i>	Avesthgen Ltd, Bangalore	Oct. 2011	2011-12	0.60	1.20
9	E.G. Jayaraj Professor, FRIC (M), Ankola		Evaluation and Validation of proprietary biological formulations for water quality management and enhancing fish production in aquaculture ponds	Lonestar International, USA	April 2011	2011-12	4.00	4.00

6. Information on Research Council, important decisions taken by Directorate of research, KVAFSU, BIDAR

Policy issue on carrying out trials for private/ foreign industrials by scientists

The Research Council resolved to adopt the institutional charges in respects & various funding organization either for research schemes or carrying out field trials as mentioned below.

- a) Government Agencies : 10%
- b) Private Agencies with MOU with University : 20%
- c) Private Agencies with MOU with University : 30%



IV. Extension Education

The University is striving hard to improve the socio-economic conditions of the farming community through its extension education activities. In order to achieve this, the university is organizing training programmes, demonstrations, farmer-scientist interaction sessions, field visits, farm melas, etc, through its constituent colleges and research stations spread across the state.

1. Transfer of technologies

1. The University has started pig farms at Bengaluru, Shivamogga, Hassan and Konehalli for popularizing piggery in the region. Further, to encourage pig farming, the university also distributes piglets.
2. The Technology of rearing of Swarnadhar & Raja-2 coloured broiler birds developed by the university has been taken up by supplying chicks to various organization, institutes and farmers.
3. Popularization of fast growing Hungarian breed of Amur common carp released by the university has been taken up at national level under financial assistance from NFDB, Hyderabad.

2. Trainings/Workshops/Seminars organized

a) International Level

i) Conference

#	Date	Place	Title	Organized by
Veterinary College, Hebbal, Bengaluru				
1	09.06.2011 to 11.06.2011	Veterinary College, Hebbal	Energizing Animal Health for better Livestock Production under WTO regime” & XXV Annual convention of Indian Association of Veterinary Microbiologists, Immunologists & Specialists in Infectious diseases (IAVMI)	Veterinary College, Hebbal & IAVMI

b) National Level

i) Conference

#	Date	Place	Title	Organized by
Veterinary College, Hebbal, Bengaluru				
1	12.11.2011	Alumni Association, UAS, Bengaluru	Organic, Meat, Poultry & Fish	UAS, Bengaluru & KVAFSU, Bidar
2	21.01.2012	Central Frozen Semen Production & Training Institute, Hessarghatta	Conference of ISSAR	Dept. of Gynaecology and Obstetrics



ii) Workshops

#	Date	Place	Title	Organized by
Veterinary College, Hebbal, Bengaluru				
1	08.07.2011 to 09.07.2011	VC, Hebbal	Approaches to Vety. & AH courses under new VCI regulations	Indian Vety. Extension Forum & KVAFSU
2	30.01.2012		Hygienic Meat Processing and Solid Waste Management	Dept. of LPT
3	11.02.2012		Small Animal Imaging Techniques - analysis	MARS & KVAFSU, Bidar
4	11.02.2012		Toxicology and Pathology	IBTB, STPI, Dept. of Pathology
5	26.05.2011	Hulikallu, Magadi	Buffalo Health, Nutrition, Management & Reproduction	Dept. VAHE
6	30.06.2011	VC, Hebbal	Planning Commission-sub group meet	Dept. VAHE
Veterinary College, Bidar				
1	14.11.2011	VC, Bidar	Role of Veterinarian in Public Health Management	Veterinary College, Bidar
Veterinary College, Hassan				
	26.08.2011 to 27.08.2011	VC, Hassan	Advanced Concepts in Animal Welfare (ACAW)	KVAFSU and WSPA, London
College of Fisheries, Mangalore				
1	28.03.2011 to 01.04.2011	CoF, Mangalore	Bioinformatics	Dept. Fish Microbiology

iii) Seminars

#	Date	Place	Title	Organized by
Veterinary College, Hebbal, Bengaluru				
1	07.08.2011	VC, Hebbal	Arthritis in Small Animals	PPAK, Mumbai
2	28.08.2011	Dharwad	Roaming through rumen	VC, Hebbal, Indian Buiatricians Association & KVA, Dharwad
3	29.01.2012	Tumkur	Current concepts in diagnosis & management of metabolic disorders in Ruminants	VC, Hebbal, Indian Buiatricians Association(R) & KVA, Tumkur



27	Between 23 rd Aug. 2011 & 28 th Mar. 2012	VC, Hebbal	Scientific Pig production (12 Trainings)	Veterinary College, Hebbal
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Veterinary College, Bidar

1	03-11-2011	VC, Bidar	Preparation of Traditional & value added Milk Products	VC, Bidar & Bapu Gramina Samsthe NGO, Basava Kalyana
2	12-01-2012	VC, Bidar	-do-	VC, Bidar & PRAWARDA, NGO
3	02-02-2012	VC, Bidar	-do-	Veterinary College, Bidar
4	06-02-2012	VC, Bidar	-do-	VC, Bidar & Ganapati Halwais, Bidar
5	15.02.2012 to 17.02.2012	VC, Bidar	RKVY training for Veterinary Officers	Clinical Department
6	05.03.2012 to 07.03.2012			
7	30.01.2012 to 04.02.2012	VC, Bidar	KVC training on 'An Update on : Systemic Pharmacology & Clinical Toxicology'	Dept. of Pharmacology and Toxicology
8	19.01.2012 to 21.01.2012	VC, Bidar	Practical training on High Performance Liquid Chromatography	
9	20-25,02.2012	VC, Bidar	KVC training on Advances in diagnosis and treatment of diseases of sheep and goats	Dept. Veterinary Medicine
10	12-14,03. 2012	VC, Bidar	Livestock nutrition, Health and Reproduction	Veterinary College, Bidar
11	19-21,03 2012			
12	16-23,11.2011	VC, Bidar	Role of livestock in integrated farming system	Dept. VAHE
13	12-17.03. 2012	VC, Bidar	Data Analysis Using SAS	Dept. of AGB (Statistics)



Extension Education Center, Veterinary College, Bidar

1	23-25, 01.2012	VC, Bidar	Role of livestock in integrated farming system (under SAMETI)	EEC, Bidar
2	03.12.2011	VC, Bidar	Value addition to milk products	EEC & Vatsalya Puaschetana Pratishthana, Bidar
3	12.01.2012	Kangankot of Bidar	Motivation of Rural Youth "Yuva Chetana"	EEC, Bidar
4	04.12.2011	VC, Bidar	Green fodder cultivation & preparation of balanced concentrate cattle feed	EEC, Bidar
5	29.03.2012	VC, Bidar	Dairy production	EEC, Bidar and Vikas Academy, NGO, Gulbarga

Veterinary College, Shivamogga

1	05-07.03.2012	VC, Shivamogga	Recent trends in sheep and goat production system	EEC, Shivamogga
2	23.02.2012	VC, Shivamogga	Sheep and goat rearing under stall feeding	EEC, Shivamogga
3	29.02.2012	VC, Shivamogga	Sheep and goat rearing under stall feeding	
4	19.12.2011	VC, Shivamogga	Scientific Pig Farming	VC, Shivamogga
5	26.12.2011			
6	02.01.2012			
7	09.01.2012			
8	18.01.2012			
9	23.01.2012			
10	06.02.2012			

Veterinary College, Hassan

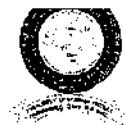
1	14.10.2011	VC, Hassan	Scientific Pig Production	Dept. of ILFC
2	23-25.01.2012	VC, Hassan	Scientific Pig Production	Dept. of ILFC

Dairy Science College, Hebbal, Bengaluru

1	28-30, 03.2012	D.Sc. College, Hebbal	Preparation of value added milk products	Department of Dairy Tech.
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College of Fisheries, Mangalore

1	10.08.2011	COF, Mangalore	Bio-security in Aquaculture – Aquatic Medicine	College of Fisheries, Mangalore
2	8-10.12.2011	COF, Mangalore	A Dialogue on Managing Karnataka's Fisheries	Fisheries Economics



IAH & VB

1	1-3.08.2011	IAH & VB	Hands on ELISA training on diagnosis of PPR and Brucellosis	SRDDL
2	30-07-2011	Gangavati	Importance of vaccination programme in Disease control for better sheep production	ADDL&IC, Bellary

Krishi Vigyan Kendra, Mangalore

1	25.04.2011 to 30.04.2011	KVK, Mangalore	Bhoo-chetana Training Programme for Facilitators	Crop Production
2	09.06.2011	KVK Mangalore	Mechanized paddy transplanting workshop	Crop Production
3	29.11.2011	Mangalore	IFS in DK	Crop Production
4	16.03.2012	KVK Mangalore	Mechanization in paddy	Crop Production
5	13.03.2012	KVK. Mangalore	Management of acid soils of coastal Karnataka :Importance of soil testing and soil sampling demonstration	Soil-Science
6	06.01.2012	KVK Mangalore	Multiple cropping system in horticulture crops	Horticulture
7	09.01.2012 to 10.01.2012	KVK Mangalore	Mushroom cultivation	Horticulture
8	07.06.2011 to 08.06.2011	KVK, Mangalore	Aquarium fabrication and production and rearing of ornamental fishes production and rearing of ornamental fishes	Fisheries and animal Science
9	18.10.2011 To 22.10.2011	Dept. of Animal Husbandry, Mangalore	Scientific poultry farming	Fisheries and animal Science



10	24.01.2012 to 28.01.2012	KVK, Mangalore	Production and rearing of Ornamental Fishes	Fisheries and animal Science
11	14.02.2012 To 18.02.2012	KVK, Mangalore		
12	19.01.2012 to 21.01.2012	KVK, Mangalore	Polyculture of Fish for food and security	Fisheries and animal Science
13	19.03.2012 to 21.03.2012	KVK, Mangalore	Livelihood Security through Integrated Fish Farming	Fisheries and animal Science
14	03.06.2011	KVK. Mangalore	Value addition from Jack fruit for extension personnel	Home Science
15	17.01.2012	KVK. Mangalore	Training on importance and uses of ragi and preparation of ragi malt	Home Science
16	10.03.2012	KVK. Mangalore	Training on milk and Demonstration on value added products from milk products for extension personnel	Home Science
17	12.03.2012	KVK. Mangalore	Training and demonstration on value addition from fruits for extension personnel	Home Science
18	08-07-2011	Hosangady	INM in paddy	Crop Production
19	23-07-2011	Hosangady	ICM in Vegetables	
20	29-09-2011	Peri, Hosangady	& ICM in Jasmine	
21	10.11.2011	Kolavoor guthu	Dapog Method of Paddy Nursery	
22	23.12.2011	Kuppepadavu		
23	02.12.2011	Kolavoor guthu	Mechanical Paddy transplanting Method Demonstration	
24	08.12.2011	Nadavalabailu		
25	07.01.2012	Kuppepadavu		
26	20.01.2012	Bantwal Kasba		



27	09.12.2011	Hosangady	Method Demonstration of Sri Method Transplanting	
28	09.12.2011	Pambadabettu	Soil Testing and soil sample Collection	
29	03.02.2012	Hosangady	IPM in paddy	
30	07.02.2012	Nada	Rhizobium seed treatment in Black gram	
31	26.03.2012	Kolavoorguthu	Field day of FLD on Mechanical paddy Transplanting	
32	13.01.2012	Polali	Farmers Field School(FFS) on Watermelon	Agricul. Extension
33	23.07.2011	Hosangadi	Integrate crop management in Horticultural crops	Horticulture
34	17.08.2012	Hosanagadi	Interaction with farmer about OFT	Horticulture
35	20.08.2012	Meramajalu	Management of vegetable crops training programme	Horticulture
36	25.11.2012	Peri	Integrated crop management in Bitter gourd	Horticulture
37	25.11.2011	Hosangadi	Integrated crop management in Ridge gourd	Horticulture
38	09.12.2011	Kajoor	Integrated crop management in banana	Horticulture
39	09.12.2011	Hosangadi	Fertilizer application method in bitter gourd and ridge gourd	Horticulture
40	21.12.2011	Meramajalu	Integrated crop management in jasmine	Horticulture
41	13.01.2012	Polali	Integrated crop management in water melon	Horticulture
42	02.02.2012	Hosangadi	Inflorascence die-back in Arecanut	Plant Protection
43	07.02.2012	Nada grama	Seed treatment of black gram	Plant Protection
44	03.02.2012	Hosangadi	Integrated Pest Management in SRI method of Paddy	Plant Protection



45	18.06.2011	Belthangady	Integrated fish farming	Fisheries and animal Science
46	21.06.2011	Alangar, Mudabidre	Improved composite fish culture	Fisheries and animal Science
47	22.07.2011	Alangar, Mudabidre	Polyculture of fish and prawn	Fisheries and animal Science
48	10.08.2011	Kolavur	Improved composite fish culture	Fisheries and animal Science
49	29.09.2011	Peri, Hosangadi	Integrated fish farming and rearing of swarnadhabra poultry birds	Fisheries and animal Science
50	29.09.2011	Kadaba, puttur	Inland fish culture	Fisheries and animal Science
51	15.06.2011	Ujire	Training and demonstration on value addition from Jack fruit for extension personnel	Home Science
52	21.06.2011	CDPO Office, Sullia	Training and demonstration on value addition from Jack fruit for extension personnel	Home Science

Livestock Research & Information Center (Deoni), Hallikhed, Bidar

1	21.03.2011 to 23.03.2011	LRIC, Hallikhed	Dairy farming	LRIC, Hallikhed & KMF
2	24.4.11 to 27.4.11		Broiler production & Management	
3	27.06.2011 to 28.06.11		Dairy farming	
4	28.06.11 to 29.06.11		Dairy farming	
5	29.06.11 to 30.06.2011		Dairy farming	
6	30.06.2011 to 01.07.11		Dairy farming	
7	01.07.11 to 02.07.2011		Dairy farming	

Livestock Research & Information Center (Sheep), Nagamangala

1	12.01.2012	LRIC(S), Nagamangala	Sheep Husbandry	LRIC(S), Nagamangala
2	29.03.2012	LRIC(S), Nagamangala	Sheep Husbandry	LRIC(S), Nagamangala & MSSP - ICAR



Livestock Research & Information Center, Konehally, Tiptur

1	03.12.2011	LRIC(A)	Clean milk production	LRIC(A)
2	22.12.2011	LRIC(A)	Clean meat production	LRIC(A)
	14-01-2012	LRIC(A)	Farm visit	Konehally
3	08.03.2012	LRIC(A)	Modern Piggery rearing	LRIC(A)

Fisheries Research & Information Center, Hesaraghatta, Bengaluru

1	01.10.2011	FRIC, H'ghatta	Integrated Fish Farming and Ornamental Fish Culture	FRIC, H'ghatta
2	12.01.2012	FRIC, H'ghatta	Integrated Fish Farming and Ornamental Fish Culture	FRIC, H'ghatta & Dept. of Fisheries

Fisheries Research & Information Center, Bela, Ankola

1	19-21.01.2012	FRIC (M), Ankola	Inland Fish Culture	FRIC (M), Ankola
2	22.05.2012	FRIC (M), Ankola	Preparation of prawn pickle	FRIC (M), Ankola

Fisheries Research & Information Center, Bhutnal, Bijapur

1	01.07.2011 to 09.03.2012	Fisheries Research & Information Center, Bhutnal,	Demonstration of Common carp seed production Technology	ATMA scheme Dept. of Agriculture, Bijapur
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Canine Research & Information Center, Timmapur, Mudhol, Bagalkot

1	12.05.2011	Halagali	Feeding, Management, breeding and Rearing of the puppies, and also vaccination program	CRIC
2	13.05.2011	Mughalkod		
3	25.05.2011	Tulasigeri		
4	08.06.2011	Talikoti		
5	15.11.2011	Cric timmapur		
6	12.01.2012	Halagali		
7	19.02.2012	Lokapur		

2. Participation as Resource Persons in Conference/ Training Programmes/ Workshops/ Seminars/Symposia/ Winter School, etc.

#	Institution	Conference	Tr. Progmn	Work shop	Seminar	Symposia	Winter/ Summer School	Total
1	VC, Hebbal	7	65	9	15	3	1	100
2	VC, Bidar	8	41	-	1	8	-	58
3	VC, Shivamogga	1	54	4	6	-	-	65
4	VC, Hassan	-	35	1	2	-	-	38



5	D.Sc. College, B'llore	2	13	-	-	-	-	15
6	FC, Mangalore	2	19	3	1	-	-	25
7	IAH&VB	3	31	-	-	1	-	35
8	IWVR, Kudige	5	1	-	-	-	-	6
9	KVK, Mangalore	-	45	-	-	-	-	45
10	FRIC, Hebbal	-	5	-	-	-	-	5
11	FRIC, Hesaraghatta	1	4	-	-	-	-	5
12	FRIC, Ankola	-	15	-	-	-	-	15
13	FRIC, Bhutnal	1	4	-	-	-	-	5
14	LRIC, Konehalli	-	2	-	-	-	-	2
15	LRIC, Nagamangala	-	2	-	-	-	-	2
16	EEC, Bidar	-	6	-	-	-	-	6
17	EEC, Hassan	-	4	-	-	-	-	4
18	EEC, Shivamogga	1	10	1	2	-	-	14
Total		31	356	18	27	12	1	445

3. Abstract of Participation as Trainee Scientists in Conference/ Training Programmes/ Workshops/ Seminars/ Symposia/ Winter School, etc.

#	Institution	Conf. erenc e	Tr. Progm .	Worksho p	Seminar	Symposia	Winter/ Summer School	Total
1	VC, Hebbal	3	17	3	6	1	-	30
2	VC, Bidar	3	11	6	2	1	4	27
3	VC, Hassan	-	8	6	1	1	1	17
4	VC, Shivamogga	2	7	2	1	1	3	16
	D.Sc.College, B'llore	4	5	1	-	-	-	10
5	D.Sc.College, Gulbarga	2	-	-	-	-	1	3
6	FC, Mangalore	5	7	-	-	-	-	12
7	IAH&VB	1	2	-	-	-	-	3
8	IWVR, Kudige	1	-	1	-	-	-	2
9	KVK, Mangalore	1	14	1	-	-	-	16
10	FRIC, Hebbal	1	3	-	-	-	-	4
11	CRIC, Mudhol	-	3	-	-	-	-	3
12	FRIC, Bhutnal	-	3	-	-	-	-	3
13	LRIC, Konehalli	1	-	1	-	-	-	2
Total		24	80	21	10	4	9	148



4. Radio Talk/TV programmes (In Kannada)

Sl. No.	Name of the scientist	Topic	Date and AIR Station
Directorate of Extension			
Radio talks			
1	Dr. K.N. Prabhudeva	Fisheries Research in KVAFSU	24-2-2012 AIR, Raichur
2	Dr. K.N. Prabhudeva	Extension of Activities of KVAFSU	15-5-2012 AIR, Raichur
TV Programmes			
1	Dr. K.N. Prabhudeva	Recent research developments in inland fisheries	06.07.2011, DDK, Gulbarga.
2	Dr. K.N. Prabhudeva	Januvaru, Matsya, Krishi and Horti mela	23.12.2011, DDK, Gulbarga
Veterinary College, Hebbal, Bengaluru			
Radio talks			
1	Dr. K. Satyanarayan	Summer management of livestock	15.03.2011, AIR, Bengaluru
2	Dr. M. Narayana Swamy	Physiological Disorders in Cattle and their Remedies	18.11.2010, AIR, Bengaluru
3	Dr. S. Isloor	Problem of Mastitis in Cows"	19.05.2010, AIR, Bengaluru
4	Dr. N.B. Shridhar	Common Poisonous Plants of Cow, Buffaloes in Southern Karnataka	09.09.2010, AIR, Bengaluru
5	Dr. H.A. Upendra	Leptospirosis and its control	27.08.2010, AIR, Bengaluru
6	Dr. Mohamed Nadeem Fairoze	Nutritive Value of Chicken and Preparation of products at home (In Kannada)	13.8.2010, AIR, Bengaluru
7	Dr. K. Satyanarayan	Improved Technology in dairying and Goat rearing & Farmer Appropriate Poultry Production Management	11.08.2011, AIR, Bengaluru
8	Dr. K. Satyanarayan	Summer management of livestock.	15.03.2011, AIR, Bengaluru
9	Dr. N.B. Shridhar	Use of medicinal plants in veterinary practice	09.09.2011, AIR, Bengaluru
10	Dr. B.M. Veeragowda	Diseases of Poultry birds & Control	06.07.2011, AIR, Bengaluru
11	Dr. Sharada. R	Leptospirosis and Anthrax in Animals & Control	30.08.2011, AIR, Bengaluru
12	Dr. Shrikrishna Isloor	Brucellosis in Animals & its Control	15.09.2011, AIR, Bengaluru
13	Dr. D. Rathnamma	Control of Hemorrhagic Septicemia and Black Quarter diseases in Cattle	09.11.2011, AIR, Bengaluru
14	Dr. B. M. Veeragowda	Tuberculosis in animals & Control	03.01.2012, AIR, Bengaluru
15	R. Bhaskaran	Pig farming	23.11.11, AIR, Bengaluru
16	Dr. Y. B. Rajeshwari	Diseases inflicted by external parasites in dairy animals and their control	10.07.2011, AIR, Bengaluru
17	Dr. U. Krishnamoorthy	Production technology for cattle and goats	27.07.2011, AIR, Bengaluru
18	Dr. Y. B. Rajeshwari	Rabbit rearing in city area	09.02.2012 FM Radio
19	Dr. Leena, G	Diseases of Cow & Buffalo in Rainy season and control	23.06.2011 AIR, Bengaluru
20	Dr. R. Gideon Glori Doss	Silage preparation and treatment of dry fodder for enrichment	19.03.2012 AIR, Bengaluru
21	Dr L. Ranganath	Delivered a Talk	21.02.2012, Radio Mirchi
22	Dr. H.A. Upendra	Mastitis and its control	30.09.2011, AIR, Bengaluru
23	Dr. H.A. Upendra	Harmful effects of plastic in animals and its prevention	14.10.2011, AIR, Bengaluru



24	Dr. P. T. Ramesh	Integrated disease management in cows	25.10.2011, AIR, Bengaluru
25	Dr. H. N. N. Murthy	Appropriate poultry and fish for poor farmers	AIR "Samruddi Baanuli Patashale"

TV programmes

1	Dr. V. C. Murthy	Various aspects of reproductive management-	Chandana
2	Dr. K. Satyanarayan	On Rabbit rearing in Urban areas.	23.02.2012, FM, Rainbow
4	Dr. D. Rathnamma	"Control of Sheep pox diseases in livestock"	9.03.2012, DDK, Bengaluru
5	Dr. Sharada. R	"Control of Foot and Mouth disease in livestock"	9.03.2012, DDK, Bengaluru
6	R. Bhaskaran	Karugala sakane	21.12.11, TV programme
7	Dr. M.R. Jayashankar	Congenital defects in animals	16.01.2012 TV 9
8	Dr L. Ranganath		28.10.2011 Janashree TV (Kannada)
9	Dr L. Ranganath	Preparation of Animal for Surgery	27.02.2012 TV 9 Report
10	Dr L. Ranganath	Panel discussion on Routine aspect of Routine Surgery	29.02.2012 News 9
11	Dr. P. T. Ramesh	Control of Brucellosis	1.05.2011, Doordarshan
12	Dr. P. T. Ramesh	Treatment of Mastitis	6.05.2011, Doordarshan
13	Dr. P. T. Ramesh	Diseases of goats	20.05.2011, Doordarshan
14	Dr. H. N. N. Murthy	Improved poultry for rural areas	01.04.2011, DDK, Bengaluru
15	Dr.S.Yathiraj	"Dog Menace" in Bangalore	11.01.2012, 'TV-9' Live Telecast
16	Dr.S.Yathiraj	"Dhanvantri Mobile Van"	01.02.2012, DD-Chandana

Veterinary College, Bidar**Radio talks**

1	Dr. B.V. Shivaprakash	Necessity of Surgery in animal Husbandry	13.03.2012 AIR, Gulbarga
2	Dr. Pradeep Kumar	Diseases transmitted from animals to humans	02.03.12, AIR, Gulbarga.
3	Dr. Shivakumar K. Radder	First aid in cattle	13-06-2012, AIR - Gulbarga

TV Programmes

1	Dr. B.V. Shivaprakash	Summer management of animals	12.04.2011, DDK, Gulbarga,
2	Dr. B.V. Shivaprakash	Introduction of livestock exhibited in Janavaru mela 2011	4.01.2012, DDK, Bengaluru
3	Dr. B.V. Shivaprakash	Livestock breeds exhibited & utility	15.01.2012 , DDK, Bengaluru
4	Dr. N.A. Patil	Diseases of cattle and its prevention	08-01-2012, ETV
5	Dr. B. Ramachandra	Balanced feeding of dairy animals	21.01.2012, ETV

Veterinary College, Shivamogga**Radio talks**

1	Dr. V. Nagabhushana	Preparation of cattle feed	5-8-2011, AIR, Bhadravati
2	Dr. Ganga Naik, S	Buffalo breeds	12.04.2011, AIR, Bhadravathi



TV Programmes

1	Dr. V. B. Shettar	Scientific Piggery production	22.08.2011, DDK, Bengaluru
2	Dr. Ananda, K.J	Management of parasitic diseases in domestic animals	19.04.2011, DDK, Bengaluru.

Veterinary College, Hassan

Radio talks

1	Prof. Vasanth, M. S.	Man-Wild animal conflicts	04-09-2011; AIR, Hassan
2	Dr. T.M. Prabhu	Nutrition and feeding of sheep	05-05-2011; AIR, Hassan
3	Dr. T.M Prabhu	Fodder Production , Processing and Preservation	15-09-2011; AIR, Hassan
4	Dr. K. T. Lakshmisree	Rabbit rearing	08-08-2011; AIR, Hassan
5	Dr. Veena, M. P.	Contagious diseases in cattle and their control	01-08-2011; AIR, Hassan
6	Dr. Manjunatha, L	Housing of cattle	13-08-2011; AIR, Hassan
7	Dr. S.B. Prasanna	Rearing of Goats in Rural areas	31.08.2011 AJR, Hassan

TV Programmes

1	Prof. Vasanth, M. S.	Carrier opportunity in Veterinary Science	20-03-2011, NDTV
2	Dr. S.B. Prasanna	Perennial Fodder crop production	12.07.2011; Chandana Doordarshan TV Channel

Dairy Science College, Hebbal, Bengaluru

Radio talks

1	Dr. H.G. Ramachandra Rao	Value addition to milk	4.8.2011, Radio talk
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TV Programmes

1	Dr. H.M. Jayaprakasha	Significance of milk of different species	12.6.2011, News 9 channel
2	Dr. H.M. Jayaprakasha	Therapeutic values of milk and milk products obtained from different mammals.	12.6.2011, TV 9 channel
3			
4	Dr. H. Arun Kumar	Paneer preparation and value addition to milk products	August 2011, ETV
5	Dr. H. Arun Kumar	Paneer preparation and value addition to milk products	Sept. 2011. ETV

College of Fisheries, Mangalore

Radio Talk

1	Dr. Mridula Rajesh	Integrated Fish Farming	07.09. 2011, AIR, Mangalore
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Institute of Animal Husbandry & Veterinary Biologicals, Bengaluru

Radio talks

1	Dr. S. M. Byregowda	Pest Monsoon Disease of sheep and Control	11.10.2011, AlR, Bengaluru
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TV Programmes

1	Dr. B. R Sumathi	Anthrax disease in animals and its Control	11.11.2011. DDK, Bengaluru
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Institute of Wildlife Veterinary Research, Kudige, Coorg

Radio Talks

1	Dr. M. Narayana Bhat	Wildlife Research and its importance	18.4.2011, AIR, Madikeri
2	Dr. M. Narayana Bhat	Man & Wild conflict	13.9.2011, AIR, Madikeri

Krishi Vigyan Kendra, Mangalore

Radio Talks

1	Harish Shenoy	Efficient Utilization of Water in Agricultural Crops and Horticultural Crops	30.01.2012 AIR, Mangalore 20.04.2012(Repeat)
2	Dr. Rajesh K. M.	Production and rearing of ornamental fishes	28.12.2011, AIR, Mangalore
3	Shashikanth	The experience of the plant propagation technique	26.03.2011, AIR, Mangalore
4	Shweta, K	Different types of pickle Preparation	19.03.2011, AIR, Mangalore
5	Punitha, B.C	Soil health and soil testing	05.03.2011, AIR, Mangalore

Livestock Research & Information Center (Deoni), Hallikhed, Bidar

TV Programme

1	Dr. Satish Biradar	Bio Village	10.08.2011, DDK, Bengaluru
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Fisheries Research & Information Center, Hebbal, Bengaluru

Radio talks

1.	Dr. Y. Basavaraju	Integrated fish farming	20.07.2011, AIR, Bengaluru
2.	Dr. Y. Basavaraju	Fish culture in tanks & ponds	11.09.2011, AIR, Bengaluru
3.	Dr. Y. Basavaraju	Advantages of Inland fisheries	03.01.2012, AIR, Bengaluru

Fisheries Research & Information Center, Bhutnal, Bijapur

Radio talks

1	Dr. S.M.Shivaprakash	Conservation of fish resources for sustainable development	06.07.2011, AIR, Mangalore.
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TV Prorammes

1	Dr. S.M. Shivaprakash	Responsible fisheries and its role in sustainable fish production.	27.10.2011, V4 24X7 Mangalore.
2	Dr. S.M. Shivaprakash	Responsible fisheries	28.03.2012, DD- Chandana, Bengaluru

Extension Education Center, Bidar

Radio Talk

1	Dr. Shivakumar K. Radde	First aid in cattle	13.06.2012, AIR, Gulbarga
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Extension Education Center, Shiva mogg

Radio talks

1	Dr. K.C. Veeranna	Januvaru Adharitha Jeevanopaya	17.08.2011, AIR, Bhadravathi
2	Dr. K.C. Veeranna	Ten Tips for profitable dairy	27.11.2011, AIR, Bhadravathi

TV Programmes

1	Dr. K.C. Veeranna	Stall feeding of sheep and goats	25.07.2011, ETV
2	Dr. K.C. Veeranna	Live phone in on rearing of goats under stall feeding	11.1.2012, DD, Bengaluru.
3	Dr. K.C. Veeranna	Summer management of broilers	16.1.2012,ETV, Annadata



College of Fisheries, Mangalore	Marketing and sales assistance for selling Soles, anchovies, silver bellies	3 fish products
IAH&VB, Bengaluru	Services provided to farmers	85
LR & IC (Deoni), Hallikhed	Services provided to farmers, Cattle & Buffaloes and dog	37
CR & IC, Mudhol, Bagalkot	Services provided to farmers' dogs	337

8. Diagnostic services provided

Sl. No.	Institution	Diagnostic Services provided	Total No.
1	Veterinary College, Bengaluru	Examination of Samples like blood/serum/milk, skins, nails, horns, tusks and bones, ABST,	6398
2	Veterinary College, Bidar	Isolation and Identification of bacterial/fungal pathogens, ultrasound performed endoscopy,	1792
3	Veterinary College, Shivamogga	plant samples, fodder crops, Biochemical Parameters, Radiography, C-arm X-ray, Mobile	2551
4	Veterinary College, Hassan	X-Ray, Gastroscopic examination, ECG, Exfoliative cytology, Histopatholgy	452
5	Dairy Science College, Hebbal, Bengaluru	Domestic water analysis for coliforms samples	5
6	College of Fisheries, Mangalore	Water (for chemical, physical and microbiological parameters), ETP Samples (for all parameters) Milk for Somatic cell count, microbiological and chemical analysis, Shrimp viruses by PCR and also for microscopic test, Feed analysis and Plankton analysis	680
7	IAH & VB, Bengaluru	Various blood, serum, urine, skin samples for diagnosis of various diseases of animals	127246
8	FRIC, Hebbal, Bengaluru	Soil, water and fish health investigation services, feed analysis and plankton analysis, beef meat.	616

9. Supply of chicks/animals/fish/fodder seeds/root slips/other farm produce to farmers

Sl. No.	Department/Farm	Supplied item and Quantity	Remarks
1	Veterinary College, Bengaluru	Sheep-16, Piglets-382, Root slips-6760, Day old chicks - 213873, Hatching eggs - 24235, Table eggs - 47221, Broken eggs - 4128, Birds - 16855, Manure -- 21.50 tons. Feed / 299, Paddy husk / 27 kgs. Quails - Birds - 604, Table Eggs / 3611. - Chicks / 430, Turkey - Birds /166	Revenue generated Rs. 60,30,163/-



2	Veterinary College, Shivamogga	Lambs -22, Piglets -27, Paddy- 43Q, Maize-200Q, Paddy straw-25tonne, Sorghum green fodder: 1400 tonne, Fodder Cow pea-250 kg, Fodder Horse gram-250kg, Fodder Field bean-250kg, Farm yard manure-21 tonne, Animal feeds- 26tonne	Revenue generated Rs.5,16,882/-
3	Veterinary College, Hassan	350 Giriraja & Raja-2 Birds, 08 Rabbits	Distributed to farmers
4	College of Fisheries, Mangalore	10,000 fingerlings of <i>P. sarana sarana</i> , 2,90,280 Number of fish seed and 7918 Ornamental fish	Distributed to farmers
5	IAH & VB, Hebbal, Bengaluru	Doses of vaccines against various diseases - Black quarter - 7.776 lakhs, Haemorrhagic Septicaemia - 33.59 lakhs, Enterotoxaemia - 73.23 lakhs, Anthrax - 1.242 lakhs, Ranikhet 'F' - 1.158 lakhs, Ranikhet R ₂ B - 60.87 lakhs, <i>B. abortus</i> Rose Bengal Antigen - 0.462 lakhs, Sheep Pox Vaccine - 15.88 lakhs Tissue Culture Rabies Vaccine - 0.61389 lakhs, <i>Salmonella Pullorum</i> Coloured Antigen - 3.295 lakhs PPR - 131.155 lakhs	Rs. 14037.86 lakhs
6	Krishi Vigyan Kendra, Mangalore	Paddy- Seed - 50.00 Q (Approx) Paddy-Bulk - 10.00 Q (Approx) Earth worms - 3 Kg., Vermi compost - 13 Kg., Jasmine Plant - 5000 Nos. Poultry - 280 Nos., Coconut - 8488 Nos., Milk - 8000 Ltr, Goat kid - 6 Nos., Goat - 6 Nos., Ragi Malt - 31 kg, Pouastic Power - 25 Kg. Pig - 11 Nos., Bio fungicides- Trichoderma - 71 Kg, Rabbit - 8 Nos., Ornamental fishes - 220 Nos. Vegetables - 21 Kg.	Distributed to farmers



7	LRIC, Hallikhed, Bidar	Root slips, Vermi compost, Milk, Cattle Auction , Sale of Jowar, Sale of Lucerne Seeds	Rs 576738/- revenue generated.
8	LRIC, Konehally, Tiptur	50 Rams and 50 Bucks, CO3 fodder route slips 100 Nos.	Distributed to farmers
9	FRIC, Hebbal, Bengaluru	Catla – 99325, Rohu – 45860, G. carp – 12950, S.carp – 12950, C.C – 82840, Amur – 42105, Live fish - 2kg, Bulk fish - 41kg, R.btn-oil cake – 5132, Gouramy – 223, G.fish – 1683, B.molly – 848, W.molly – 1070 GST – 179, RST – 93, S.guppy - 5132	Distributed to farmers
10	FRIC, Hesaraghatta, Bengaluru	Cultivable fish seed - 2,96,425 Ornamental fishes- 60,437	Distributed to 1814 farmers
11	FRIC, Bhutnal, Bijapur	Catla-3,25,952, Common Carp- 99,502 and Ornamental fish-2562	Distributed to farmers

10. Consultancy / Advisory Services

#	College / Institute	Total Number	Remarks
1	Veterinary College, Bengaluru	350	
2	Veterinary College, Bidar	95	
3	Veterinary College, Shivamogga	9	
4	Veterinary College, Hassan	54	
5	College of Fisheries, Mangalore	8	
6	IAH&VB, Bengaluru		
7	IWVR, Kudige	4	
8	LRIC(Deoni), Hallikhed	13	
9	LRIC (Sheep), Nagamangala	150	
10	CRIC, Timmapur, Bagalkot	25	
11	FRIC, Hesaraghatta, Bengaluru	72	
12	FRIC, Bhutnal, Bijapur	97	
13	Extension Education Center, Shivamogga	70	
14	Extension Education Center, Hassan	18	Consultancy services to farmers and other stakeholders on various aspects of establishment and management of livestock, dairy and fish farming, project report preparation, vaccination, deworming, disease diagnosis etc, were given by the faculty and research scientists.

11. Activities on Village/Farm Adoption

Veterinary College, Bidar

The village- Kangankot was officially adopted by the University. NSS Annual Special Camp was conducted in this adopted village, during which period shramadan, animal health camp, infertility camp, agricultural and horticultural information were delivered by various resource persons. The youths were guided for the various training in different activities of their interest

with the cooperation of Dept. of Veterinary Extension Education, Veterinary College, Bidar.

Veterinary College, Shivamogga

Thyajuvalli Village of Shivamogga taluk is adopted from August 2012. Ambulatory clinical services are provided on every Friday and Saturday. Socio-economic survey is undertaken. Animal health camps are organized in the village. Awareness campaign on improved livestock production practices is being conducted.



Villages adopted during 2011-2012

#	Name of the Centre	Name of the village adopted
1	ADDL & IC, Mysore	Mellahalli Village of Mysore Taluq, Mysore District
2	ADDL & IC, Bellary	Halakundi Village of Bellary Taluq, Bellary District
3	ADDL & IC, Mangalore	Moodusidde Village of Mangalore Taluq, Mangalore District
4	ADDL & IC, Shivamogga	Hosahalli Village of Shivamogga Taluq, Shivamogga District
5	ADDL & IC, Gulbarga	Srinivasa Saradagi Village of Gulbarga Taluq, Gulbarga District
6	ADDL & IC, Bidar	Asattagi Village of Bidar Taluq, Bidar District
7	ADDL & IC, Belgaum	Shinadoli Village of Belgaum Taluq, Belgaum District
8	ADDL & IC, Davangere	Naganuru Village of Davangere Taluq, Davangere District

In the villages adopted by ADDL&IC, Regional Research Officers are involved in complete vaccination programme, conducting awareness programme about diseases and vaccination at farmer's door and conducting animal health camps.

12. Distinguished Visitors to the institutes

Sl. No	Name, Designation & Institute	Date	Purpose
Veterinary College, Hebbal, Bengaluru			
1	Dr. V. Soumya, Dr. U. SudhaRani, Dr. K. Savitha, Dr. V. Sreelakshmi, Officials of State Biologicals Production Unit, Andhra Pradesh	04.08.2011	To know the activities of Dept. of Vety. Microbiology
2	Dr. T. Thippeswamy, Associate Professor, Veterinary School, University of Liverpool, UK	11.07.2011	Talk on Current Trends in Teaching & Res. Methodology in Vety. Profession
3	Dr. H. P. S. Makkar, Animal Programme Officer, FAO, Rome	09.08.2011	Interaction with faculty members
4	Prof. David Argyle & Dr. Anna Meredith, University of Edinburgh	17.08.2011	Visited clinical departments and interaction with faculty members
5	Dr. Ansar Ahmad, Dept. of Biomedical Sciences & Pathobiology, College of Vety. Medicine, Virginia	30.08.2011	Interacted with faculty of Dept. of Vety. Microbiology
6	Dr. Lillian Orciari, CDC, Rabies Program, Pox virus Rabies Brande, NCEZID, WHO	16.10.2011	Provided diagnostic training for faculty of Dept. of Vety. Mic. on dRIT
7	Dr. Mahesh Chander, PS & Head, Division of Extension Education, IVRI, Izatnagar	11.11.2011	Interacted with faculty members of Dept. of Vety. Extension Education



8	Dr. Louis H Nel, Prof. of Virology, Uni. of Pictoria, Coordinator & Clinical Advisor, SEARC (African Rabies Group)	02.12.2011	Fact finding Mission, exploring potential collaborations with the Dept. of Vety. Microbiology
9	Dr. Baljit Singh, Prof. & Assoc. Dean (Res.), Western College of Vety. Med., Sp. Advisor (Experiential Learning) to the Provost, University of Saskatchewan, Saskatoon, SK, Canada	09.12.2011	Interaction with faculty members
10	Dr. L. Ratnakumari, Dr. M. Sandhya, Dr. Saileela Scientists of VB & RI, Hyderabad, Andhra Pradesh	22.02.2012	To know about the activities of Dept. of Veterinary Microbiology
11	K. Suresh, Course Director, CLRC, DWNA, Hindupur, Ananthapur District	17.12.2011	Visit to the Dairy farm
12	Rahul, Dept. of Agriculture ATM study farm, Kerala	26.12.2011	Visit to the Dairy farm
13	Dr. Srinivas Kaveri, Director, INSERM, Paris	26.12.2011	Talk on "Therapeutic Immune Intervention - Where do we stand"
14	K. Suresh, Course Director, CLRC, DWNA, Hindupur, Ananthapur District	31.12.2011	Visit to the Dairy farm
15	Mr. Sanjiv Janardan Phansalkar, Mr. K. Raman Programme Leader, Sir Dorabji Tata Trust Practice Head – Infocomm, Media & Education, TATA Strategic Mgt. Group	20.01.2012	Discussion with regard to starting Super Specialty Hospital at Vety. College, Bengaluru along with Hon'ble Vice-Chancellor
16	Dr. Bahiru, Duguma, Team Leader, National Capacity Programs, Office of Agriculture (OAG), U. S. Agency for Int. Dev.	31.01.2012	Institutional visit & interactions with the faculty
17	Dr Baljeet Singh, Assoc. Dean, Western College of Vety. Medicine, Uni. of Saskatchewan, Canada	09.12.2011	Visit to the Dept. of Veterinary Surgery and Radiology
18	Dr A P Singh, Hon'ble Vice Chancellor, Vety. Uni. Mathura, Dr Chakrabarathi, Hon'ble Vice Chancellor, Vety. Uni. Kolkata & Dr Singh, Joint Commissioner, ICAR	03.03.2012	Visit to the Dept. of Veterinary Surgery and Radiology
19	Dr. N.K. Krishna Kumar, Director Dr. Prashanth Mohanraj, PS(Entomology), Dr. M. Nagesh, PS(Nematology), Dr. S. K. Jalali, PS (Entomology) Dr. T Venkateshan, Sr. Scientist (Entomology) NBAII, Bengaluru	During 21 st . November to 12 th . December 2011	Resource scientists & expert for the XV National Training programme on "Advances in Veterinary Entomology & Acarology" of the CAFT in Veterinary Parasitology



20	Dr. J. R. Rao, Emeritus Scientist, NAARM, Rajendranagar, Hyderabad		
21	Dr. B.R. Latha, Prof. Dept. of Parasitology, Madras Veterinary College, Chennai		
22	Dr. T.J. Harikrishnan, Prof. & Head, Dept of Parasitology, VCRI, Namakkal		
23	Dr. B. W. Narladkar, Assoc. Prof. & PI, Dept of Parasitology, COVAS, MAFSU, Parbhani-		
24	Dr. A. R. Rajavel, Scientist 'D', Vector Control Research Centre Puducherry		
25	Dr. C.A. Viraktamat, Emeritus Scientist Dept. Entomology, UAS, Bengaluru		
26	Dr. N. Srinivasa, Professor and Coordinator, AINPon Agril. Acarology, UAS, Bengaluru		
27	Dr. K. Chandrashekara, Prof. School of Eco.& Conservation, UAS, Bengaluru		
28	Dr. Nagendra Prasad, Allergist, Bengaluru Allergy Centre, Bengaluru-560027		
29	Dr. Syed Manzoor Sulaiman, Assoc. Director & Head, Lab. Services, Dept. of Safety Assess., Advinus Therapeutics Ltd. Bengaluru.		
30	Dr. R. Asokan, PS, Division of Biotechnology, IIHR, Hessaraghatta, Bengaluru		
31	Dr. Mohammed Sharief, Managing Director, Karnataka Poultry Federation	23.06.2011	To obtain info. Giriraja & their supply at AICRP (Poultry)
32	Dr. Satyanarayana Reddy, VCI Reviewer	07.07.2011	Visited Poultry Farm
33	Hon'ble Members of the Board Management, KVAFSU(B)	15.07.2011	Visited Hatchery and Poultry Farm
34	Dr. Jantijn Swinkles, Global Technical Director, MSD, Expert in udder health management	01.03.2012	Delivered a talk on Udder Health and Herd Health Management

Veterinary College, Shivamogga

1	Sri Pankaj Kumar Pande, DC, Shivamogga District	15.06.2011	Review of College developments
2	K. Shivaram, Principal Secretary, Dept. of Animal Husbandry and Fisheries, GOK	02.08.2011	Campus development review
3	Smt. H.R. Radha, Civil Judge, Shivamogga	30.03.2012	Legal awareness programme
4	Mr. Somashekharappa, President, Lawyers Association, Shivamogga	30.03.2012	Legal awareness programme
5	Shi. K.S. Eshwarappa, MLA, Shivamogga and President, Bharatiya Janatha Party, Karnataka	04.04.2012	To inaugurate College day
6	Sri. S.N. Channabasappa, President, City Municipal Council, Shivamogga	04.04.2012	As a Chief Guest in College day
7	Mr. Raghavendra, MP, Shivamogga Lokasabha	21.04.2012	To inaugurate Blood Donation Camp & Multi-Gym facility at Boys Hostel
8	Sri. M.V. Vedamurthi, DySP, Shivamogga District	28.04.2012	To inaugurate World Veterinary Day



Veterinary College, Hassan

1	Smt Vijayalaxmi, V. Kareddy, Sri K. C. Shankare Gowda, Dr. D. R. Nagesh, Sri Vasudev Byandur & Sri. T. Mukunda Verma, Members, BOM, KVAFSU, Bidar	10.09.11	Review of progress of the college
2	Sri Revu Naik Belamagi, Hon'ble Minister of Animal Husbandry, GoK.	21.01.12	Review of progress of the college
3	Sri Shivaram, K., Chief Secretary, Dept. of Animal Husbandry & Fisheries, GoK.		Review of progress of the college
4	Prof. Prabhakara Hegde, Hon'ble Member, BOM, KVAFSU	24.02.12	Inauguration of ILFC

Institute of Animal Husbandry & Veterinary Biologicals, Bengaluru

1.	M. R. Mohan, IAS, Commissioner of Animal Husbandry and Veterinary Services.	01.04.2011	Institutional visit
2.	Dr. Paul White, FAO, India (ECTAD program) UNFAO, LODHI Estate, New Delhi - 110003.	19.04.2011	-do-
3.	Akiko Kamata, Animal Health Officer, FAO, Rome, Italy.	19.04.2011	-do-
4.	Dr. Balasangameshwara Vollepore, Foundation for innovative new diagnostics (Find - India), New Delhi - 110001	12.05.2011	-do-
5.	Dr. H. Rahman, Project Director, PD ADMAS, Bengaluru	21.06.2011	-do-
6.	Shri. Benudhar Dashi A. S., Director, Animal Husbandry and Veterinary Services, Government of Orissa.	24.10.2011	-do-
7.	Shiyong Wang and Ranjan Samantaray, Senior Health Specialist, Beijing, The World Bank of Beijing Office, P. R. China 100004	28.12.2011	-do-

Krishi Vigyan Kendra, Mangalore

1	Sri. S.D. Sampath Samrajya, Hon'ble Member, Board of Regents U.H.S. Bagalkot and President Krishika Samaj, Mangalore	19.07.2011	To participate in SAC Meeting
2	Dr. R. S. Kulkarni, DE, UAS Bengaluru	19.07.2011	To participate in SAC Meeting
3	Dr. D.V. Srinivas Reddy, Principal Scientist ZPD, ICAR Zone –VIII, Hebbal Bengaluru	19.07.2011	To participate in SAC Meeting
4	Dr. M.G. Bhat, Director , DCR, Puttur D.K	19.07.2011	To participate in SAC Meeting
5	Dr. Mruthunjaya, Chairman QRT for Zone VIII and Former National Director NAIP, ICAR	13.11.2011	Quinquennial Review Team to review the activities of KV.K.
6	Dr. P. L. Maliwal, Director of Extension, MPUAT, Udaipur	13.11.2011	-do-
7	Dr. S.V.N.Rao, Prof. & Head, RAGACOVAS, Puducherry	13.11.2011	-do-
8	Dr. S. Prabhu Kumar, Zonal Project Director, ICAR ZPD-VIII,Bengaluru	13.11.2011	Accompanied QRT
9	Dr. C.V. Sairam, Principal Scientist ICAR ZPD VIII , Bengaluru	13.11.2011	Accompanied QRT
10	Dr. K. N. Prabhudev, DE, KVAFSU, Bidar	13.11.2011	Accompanied QRT



11	Dr. K. N. Prabhudev, DE, KVAFSU, Bidar	29.09.2011 30.09.2011	Reviewed activities of KVK, visited FLD Fields
12	Dr. K N Prabhudev, DE, KVAFSU, Bidar	28.02.2012	Reviewed activities of KVK & guided in preparation of Action Plan
LRIC, Konehally, Tiptur			
1	Dr. Adoni Syed Saleem, Commissioner, Dept. of AH & VS, Bengaluru	23.08.2011	Visited to study infrastructure for starting a AH Polytechnic
FRIC, Hebbal, Bengaluru			
2	B. Prabhakar Hegde, Member, BOM, KVAFSU	19.03.2012	Institutional visit
5	Dr. B.T. Poojari, Dir. of Res., UAS Raichur	2011	Institutional visit.
6	Mr. V.K. Shetty, MD, KFDC, Mangalore	Nov. 2011	Institutional visit.
7.	Dr. Balagangadhar, CSO, KSPCB, Bengaluru	Aug. 2011	Institutional visit.
FRIC, Hesaraghatta, Bengaluru			
1.	Sri. Shahngmaz Ahamed, CARD(NGO), Delhi	21.05.2011	Visited FRIC(I)
2.	Sri. Rajesh Chatty, Manjunatha College of Nursing, Chikkabanavara, Bengaluru	06.05.2011	For information
3.	Dr. E.V. Gopinath Sai, Exe. Director, NFDB, Hyderabad	11.06.2011	NFDB Project review
4.	Smt. D. Nagamani, KVK Hirehalli, Tumkur	16.09.2011	Visited FRIC(I)
5.	Dr. D.R. Nagesh, Member, BOM, KVAFSU, Bidar	27.02.2012	Visited FRIC(I)
FRIC, Bhutnal, Bijapur			
1	Mr. Shivayogi Kalasada, DC, Bijapur	04.02.2012	Chief Guest, Seed Distribution function

Highlights of Extension Activities carried out by the Directorate of Extension during 2011-12

Krishi Vigyan Kendra (KVK) at Mangalore

The administrative control of the First Krishi Vigyan Kendra of the University was taken over from University of Agricultural Sciences, GKVK, Bengaluru on 30-08-2011. The KVK is situated at College of Fisheries Campus, Kankanady, Mangalore, Dakshina Kannada district.

MOU with Indian Knowledge Corporation (IKC), Pune

The Karnataka Veterinary, Animal & Fisheries Sciences University (KVAFSU), Bidar signed MOU with Indian Knowledge Corporation (IKC), Pune for offering distance education for the unemployed rural youth in the field of animal husbandry and allied sectors.



Jaanuvaru, Matsya, Krishi & Totagarika Mela-2011

The Karnataka Veterinary, Animal & Fisheries Sciences University (KVAFSU), Bidar, University of Agricultural Sciences Raichur and University of Horticultural Sciences, Bagalkot, jointly organized a “Jaanuvaru, Matsya, Krishi & Totagarika Mela - 2011” from 28th to 30th December, 2011 at KVAFSU, Nandinagar Campus, Bidar for the benefit of farming community. During the occasion, five publications and one video documentary on integrated fish farming in Raichur District brought out by the university, were released. In this mela 140 stalls were erected and displayed research and extension activities by different agricultural Universities and State Departments, Bidar Zilla Panchayath namely, Fisheries, Animal Husbandry, Agriculture, KMF, Watershed Development etc. In addition to this, all the constituent institutes of KVAFSU, Bidar also put up their stall. Further, a good number of stalls from private entrepreneurs and industries were also set up to show their activities. More than 50,000 farmers participated during these three days and benefited. The mela was a means to transfer of technology in Agriculture, Horticulture, Animal Husbandry, Dairy, Fisheries and other related areas. Best farmer awards were presented to 13 farmers which included livestock as well as fish farmers selected from different districts of Karnataka. Apart from this, Farmers-to-Farmers interaction sessions were held in the fields of dairying, fisheries, horticulture, agriculture, seed production, organic farming during the three days mela in four sessions where more than 25 progressive farmers shared their experiences and achievements.

Publication of Annual Report of the University for the year 2010-11, both in

Kannada & English

The Directorate of Extension brought out Annual Report for the year 2010-11, both in Kannada and English and the same was released during the “Jaanuvaru, Matsya, Krishi & Totagarika Mela - 2011” held during 28-30th December, 2011 at KVAFSU Bidar Campus. Later it was submitted to the Government of Karnataka. Similarly, the copies of annual reports had been circulated among the constituent colleges, institutes, stations, other universities etc.

Publication of Inventory of recent animal and fisheries technologies for Karnataka

The Directorate of Extension brought out the inventory on “Recent animal and fisheries technologies for Karnataka” and the same was released during the “Jaanuvaru, Matsya, Krishi & Totagarika Mela - 2011” held during 28-30th December, 2011 at KVAFSU Bidar Campus.

Production of audio-visual documentary on “Inland fisheries”

The Directorate of Extension brought out the audio-visual documentary on success story on “Integrated Fish Farming” being practiced at RH Camp, Sindhanur, Raichur District and the same was released during the “Jaanuvaru, Matsya, Krishi & Totagarika Mela - 2011” held during 28-30th December, 2011 at KVAFSU Bidar Campus. The documentary is the result of more than 15 years of extension work carried by Dr. K. N. Prabhudeva, DE, KVAFSU, Bidar.

Important decisions taken during 6th Extension Education Council (EEC) Meeting of the KVAFSU, Bidar held on 17th June, 2011 at KVAFSU, Bidar

1. Hon'ble Vice-Chancellor informed the council of the programme “one scientist one farmer” wherein every scientist of the



- university should adopt atleast one farmer involved in animal husbandry or dairying or fisheries sector and help for his integrated development through farming (Action: Director of Extension, all Deans and Head of Institute).
- 2. It was decided to organize demonstrations on "Enrichment of fodder and silage making" in all LRICs. (Action: Heads of all LRICs).
 - 3. Hon'ble Vice-Chancellor suggested to explore the possibility of starting Tele Veterinary Medicine by the Veterinary Colleges in collaboration with District Administrations (Action: All Deans of Veterinary Colleges and Head of Division, Veterinary Science).
 - 4. The Council appreciated the extension activities of IAH&VB, and informed all other colleges and institute to adopt villages for imparting knowledge and technical services in their field of specialization.
 - 5. Hon'ble Vice-Chancellor told that EECs should include all activities including Veterinary, Animal Husbandry, Dairying, Poultry and Fisheries should conduct atleast one Extension activities per month.



V. Publications

1. Research Papers

a. International Publications

i) In Journals

#	Year	Authors	Title of Paper	Journal
<i>Veterinary / Animal Sciences Division</i>				
Veterinary College, Hebbal, Bengaluru				
1	2011	Amol R. Padol, K. Jayakumar, N. B. Shridhar, H. D. Narayana Swamy, M. Narayana Swamy and K. Mohan	Safety evaluation of silk protein film (a novel wound healing agent) in terms of acute dermal toxicity, acute dermal irritation and skin sensitization	Toxicology Intl, 18(1):4-7.
2	2011	Kavitha G, S.Islor, D Rathnamma, Y.B Rajeshwari, C S Nagaraja and S Sathish	Induction of Mastitis in Rabbit mammary glands with bovine Mastitis bacterial strains.	<i>Int. J. Pharma and Bio Sci.</i> , 2(3):B 266-267.
3	2011	Kavitha G, S Islor, D Rathnamma, Y B Rajeshwari, B M Veeregowda and C.S Nagaraja	Transmission Electron Microscopic Studies on <i>in-vitro</i> biofilm formation by <i>Escherichia coli</i> from bovine mastitis cases.	<i>Int. J. Pharma and Bio Sci.</i> , 2(3):B 482 - 487
4	2011	Jayachandra C. Kadrgur, Suguna Rao, Byregowda M. Sonnahallipura, Dayananda S. Thimmanahalli, Satyanarayana M. Laxmikanth	Prognostic value of Ki 67 proliferation antigen in canine malignant mammary gland tumours	Braj.J. Vet Pathol, 4(1):36-40
5	2012	Mohandoss Nagalingam, Rajeswari Shome, Vinayagamurthy Balamurugan, Bibek Ranjan Shome, Krishnamsetty Narayanarao, Vivekananda, Shrikrishna Isloor, Krishnamsetty Prabhudas	Molecular typing of <i>Brucella</i> species isolates from livestock and human	<i>Trop. Anim. Health. Prod.</i> 44:5-9



Veterinary College, Shimoga

1	2011	Shivanand Kumbar, K.C. Veeranna, Sushant Handage & S.Ramachandra	Study on the perception of farmers on adoption of strategic supplementation of mineral mixture (MM) and urea molasses mineral blocks in goats	Int. J. Dev. and Ext. I(1):6-12
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Fisheries Science Division

College of Fisheries, Mangalore

1	2012	R. Shankar, H. Shivananda Murthy, H. R. Sujatha, E.G. Jayaraj, C. S. Tejpal, V.S. Cinthamani	Effect of nucleotide on growth, immune responses and resistance of Macrobrachium rosenbergii (De Man) to Macrobrachium rosenbergii nodavirus (MrNV) and extra small virus (XSV) and Aeromonas hydrophila infection,	Aq. Int., 20(1):1-12.
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ii) International Conferences / Seminars / Symposia / Workshops etc.

#	Year	Authors	Title of Paper	Conference
<i>Veterinary / Animal Sciences division</i>				
Veterinary College, Hebbal, Bengaluru				
1	2012	S.T. Bino Sundar and Placid E.D' Souza	Staining of microfilaria of Setaria spp. Worms of cattle and micrometry.	Int. Conf. on Holistic Approaches for combating Anthelmintic Resistance – An Update in Parasitology, 26–27.03.2012, Madras Veterinary College. <i>XXV Annual</i> <i>Convention of IAVMI</i> <i>and International</i> <i>Conference on</i> <i>"Energizing Animal</i> <i>Health for Better</i> <i>Livestock production</i> <i>under WTO Regime"</i> organized by Dept. of Veterinary Microbiology during 9 th to 11 th June 2011 at Veterinary College, KVAFSU, Hebbal, Bangalore
2	2012	S.T. Bino Sundar and Placid E.D' Souza	Counter current immunoelectrophoresis in the serodiagnosis of microfilariosis caused by Setaria in bovines.	
3	2012	S.T. Bino Sundar and Placid E.D' Souza	Survival and Activity of adult Setaria spp. worms cultured in Dulbecco's Modified Eagle's medium	

4	2012	Placid E. D'Souza	Status of Gastrointestinal nematodosis in Sheep and Goats of Karnataka State, South India with Emphasis on Anthelminitic Resistance Development in Strongyles.	
5	2012	S.T. Bino Sundar and Placid E.D' Souza	Clinico haematological changes in cows with Setarial microfilariosis.	
6	2012	S.T. Bino Sundar and Placid E.D' Souza	Efficacy of Citrate Saponin Acid method in the detection of microfilariae in blood of cattle.	
7	2012	S.T. Bino Sundar and Placid E.D' Souza	Speciation of Setaria worms of cattle.	
8	2011	Chandranaiik, D. Rathnamma, S. S. Patil, Jyotsna Dhawan, Shrikrishna Islloor, Mohmd Rumman, S.Ranganatha, D. S. Akhila, R. Sharada, K. Prabhudas, C. Renukaprasad and B.M.Veergowda	Molecular Epidemiology of BoHV-1 and Development of Taqman Real Time PCR based kit for detection of BoHV-1 in clinical samples.	
9	2011	Raveendra Hegde, D.S. Akhila, S. Islloor, N. Krishnaveni, S. Sundareshan, B. R. Shome, V. V. S. Suryanarayana, D. Rathnamma, S. Yathiraj and C. Renukaprasad	Screening of bulk milk samples by multiplex-PCR to simultaneously detect major mastitis pathogens.	
10	2011	N.Krishnaveni, D.S.Akhila, S.Islloor, R.Hegde, V.V.S.Suryanarayana, D.Rathnamma, B.M.Veeregowda, C.S. Nagaraje and K. Nithinprabhu.	Study of different virulence factors of major Streptococci isolated from bovine mastitis by PCR	
11	2011	G.Kavitha, S.Isloor, D. Rathnamma, Y.B. Rajeshwari, B.M. Veeregowda, C.S. Nagaraj and S.Sathish	Western blot analysis of OMP profiles of biofilm and planktonic cells of <i>Escherichia coli</i> serotypes isolated from bovine mastitis cases	



12	2011	S. Sundareshan, R. Apsana, Prachi V. Deshpande, S. Isloor, N. Krishnaveni, D.S. Akhila, R. Hegde, M. Thyageeswaran, Sandeep N.deore, Nagendra R. Hegde, Y. Haribabu and D. Rathnamma	Isolation and speciation of coagulase negative staphylococci (CoNS) isolated from bovine milk samples.	
13	2011	N. Krishnaveni, S. Isloor, S. Sundareshan, Prachi V. Deshpande, V.V.S. Suryanarayana, D. Rathnamma, B.M. Veeregowda and C.S. Nagaraja	Antibiogram profile of Group B Streptococci isolated from clinical bovine mastitis.	
14	2011	G. Kavitha, S. Isloor, D. Rathnamma, Y.B. Rajeshwari, B.M. Veeregowda, C.S. Nagaraj and S.Sathish	Congo red dye binding Assay- An indication of virulence in <i>Escherichia coli</i>	
15	2011	Raveendra Hegde, D.S. Akhila, S. Isloor, N. Krishnaveni, B.R. Shome, D. Rathnamma, V.V.S. Suryanarayana, Nithinprabhu, Vivekprabhu, S.Yathiraj and C. Renukaprasad	Detection of <i>Staphylococcus aureus</i> by Polymerase chain reaction amplification of the <i>nuc</i> gene	
16	2011	K.Nithinprabhu, Raveendra Hegde, S. Isloor Vivekprabhu, M.Thyageeswaran, B.M. Veeregowda, D. Rathnamma R.Shome and H.N.N.Murthy	Development of Polymerase Chain reaction based test to detect the subclinical mastitis caused by <i>Streptococcus agalactiae</i> , <i>S.dysgalactiae</i> and <i>S.uberis</i> in cattle.	
17	2011	S. Ranganatha, D. Rathnamma, S.S. Patil, B.M. Chandranai, S. Isloor, B.M. Veeregowda, D.S. Akhila and Srikala	Standardization of a sensitive and rapid Polymerse chain reaction for detection of Bovine Herpes Virus-1.	
18	2011	S.Ranganatha, D. Rathnamma, S.S. Patil, B.M. Chandranai, S. Isloor, B.M. Veeregowda and Srikala	Isolation of Bovine Herpes Virus -1 from field clinical samples.	
19	2011	S. Ranganatha, S.S. Patil, D. Rathnamma, B.M. Chandranai, S. Isloor, B.M. Veeregowda and Srikala and Veeresh	Molecular Cloning and sequencing of partial glycoprotein C gene of Bovine Herpes Virus -1 field isolate	



20	2011	M. Veena, Placid E.D'Souza and D. Rathnamma	Detection of Cryptosporidiosis in cattle by Latex agglutination test.	
21	2011	Vivekananda, S. Sundareshan, P.Sheela, N. Krishnaveni, S. Ranganatha, S. Shwetha, Roopa Kadasani, S. Isloor and D. Rathnamma	Human Brucellosis: Seroprevalence studies in Human Risk Groups at Mandya District, Karnataka State	
22	2011	S. Chakraborty, B. M. Veeregowda, B.M. Chandranaik S.S. Patil, S.Isloor, D. Rathnamma, M.D.Venkatesha and Veeresh	Genetic analysis of Classical Swine fever isolated from field outbreaks.	
23	2011	S. Chakraborty, B.M.Veeregowda, B.M. Chandranaik, S.S. Patil, D. Rathnamma, S. Isloor G. Leena and M.D. Venkatesha	Application of one step RT-PCR for detection of Classical Swine fever virus 5' NTR gene from pooled tissue materials	
24	2011	S. Chakraborty, B.M. Veeregowda, B. M. Chandranaik S.S. Patil, D. Rathnamma, S. Isloor G. Leena and M.D. Venkatesha	Isolation of a Non - Cytopathogenic Classical Swine fever virus.	
25	2011	S.Yathiraj	Clinical manifestation of rabies in animals and vaccination programme in India	3 rd Rabies in Asia Conference at Colombo, Sri Lanka. Acted as Co-chairman for Session VIII: Challenges for the New Generation (Parallel session-1) from 28.11.2011 to 30.11.2011.
26	2012	H. A. Upendra	Canine pancreatitis.	Int congress of canine practices, 8 th to 10 th February 2012, Bikaner, Rajasthan. ISACP.
27	2012	Ramesh Rathod, B. Nandeesh Kumar and L. Ranganath	Surgical excision of Large fibroma from metatarsal,	



28	2012	Ramesh Rathod and L. Ranganath	Surgical management of large perianal gland tumour in a dog	
29	2012	L. Ranganath, V. Mahesh and Ramesh Rathod	Surgical Management of sebaceous adnexal tumour in a dog,	
30	2012	V. Mahesh, Ramesh Rathod and L. Ranganath	Surgical management of gastro-intestinal obstruction caused by a wire mesh in a dog	
31	2012	L. Ranganath, V. Mahesh and Ramesh Rathod	Adenocarcinoma in a dog-a case report,	
32	2012	Ramesh Rathod, Namratha Poonacha and L. Ranganath	Umbilical Hernia in an adult pug A case report,	
33	2012	L. Ranganath, V. Mahesh, Ramesh Rathod and Namratha Poonacha	Amputation of necrotic penis due to post coital paraphimosis in a castrated dog – A case report,	
34	2012	Ramesh Rathod and L. Ranganath	Oesophageal choke by a bone in a dog – A case report,	
35	2011	B.M. Chandranaik, D.Rathnamma, S.S.Patil, Jyotsna Dhawan, Shrikrishna Isloor, Mohmd Rumman, S. Ranganatha, D.S. Akhila, R. Sharada, K. Prabhudas, C. Renukaprasad and B.M. Veergowda	Molecular Epidemiology of BoHV-1 and Development of Taqman Real Time PCR based kit for detection of BoHV-1 in clinical samples.	XXV Annual Convention of IAVMI and International Conference on “Energizing Animal Health for Better Livestock production under WTO Regime” organized by Dept. of Veterinary Microbiology during 9th to 11th June 2011 at Veterinary College, KVAFSU, Hebbal, Bangalore
36	2011	Raveendra Hegde, D.S. Akhila, S. Isloor, N. Krishnaveni, S. Sundaresan, B.R. Shome, V.V.S. Suryanarayana, D. Rathnamma, S. Yathiraj and C. Renukaprasad	Screening of bulk milk samples by multiplex-PCR to simultaneously detect major mastitis pathogens.	



37	2011	N. Krishnaveni, D.S. Akhila, S. Isloor, R. Hegde, V.V.S. Suryanarayana, D. Rathnamma, B.M. Veeregowda, C.S. Nagarajc and K. Nithinprabhu	Study of different virulence factors of major Streptococci isolated from bovine mastitis by PCR.	
38	2011	G.Kavitha, S.Isloor, D. Rathnamma, Y.B. Rajeshwari, B.M. Veeregowda, C.S. Nagaraj and S.Sathish	Western blot analysis of OMP profiles of biofilm and planktonic cells of Escherichia coli serotypes isolated from bovine mastitis cases	
39	2011	S. Sundareshan, R. Apsana, Prachi V.Deshpande, S.Isloor, N. Krishnaveni, D.S. Akhila, R. Hegde, M. Thyageeswaran, Sandeep N. Deore, Nagendra R. Hegde, Y. Haribabu, and D. Rathnamma	Isolation and speciation of coagulase negative staphylococci (CoNS) isolated from bovine milk samples	
40	2011	N. Krishnaveni, S. Isloor, S. Sundareshan, Prachi V. Deshpande, V.V.S. Suryanarayana, D. Rathnamma, B.M. Veeregowda and C.S. Nagaraja	Antibiogram profile of Group B Streptococci isolated from clinical bovine mastitis.	
41	2011	G. Kavitha, S.Isloor, D. Rathnamma, Y.B. Rajeshwari, B.M. Veeregowda, C.S. Nagaraj and S. Sathish	Congo red dye binding Assay- An indication of virulence in Escherichia coli	
42	2011	Raveendra Hegde, D.S. Akhila, S. Isloor, N. Krishnaveni, B.R. Shome, D. Rathnamma, V.V.S. Suryanarayana, Nithinprabhu, Vivekprabhu, S. Yathiraj and C. Renukaprasad	Detection of Staphylococcus aureus by Polymerase chain reaction amplification of the nuc gene	
43	2011	K. Nithinprabhu, Raveendra Hegde, S. Isloor Vivekprabhu, M. Thyageeswaran, B.M. Veeregowda, D. Rathnamma R. Shome and H.N.N. Murthy	Development of Polymerase Chain reaction based test to detect the subclinical mastitis caused by Streptococcus agalactiae, S.dysgalactiae and S.suberis in cattle.	
44	2011	S. Ranganatha, D. Rathnamma, S.S.Patil, B. M. Chandranaiik, S. Isloor, B.M. Veeregowda, D.S. Akhila and Srikala	Standardization of a sensitive and rapid Polymerse chain reaction for detection of Bovine Herpes Virus-1	



45	2011	S. Ranganatha, D. Rathnamma, S.S. Patil, B.M. Chandranaik, S. Isloor, B.M. Veeregowda and Srikala	Isolation of Bovine Herpes Virus -1 from field clinical samples
46	2011	S. Ranganatha, S.S. Patil, D. Rathnamma, B.M. Chandranaik, S. Isloor, B.M. Veeregowda and Srikala and Veeresh	Molecular Cloning and sequencing of partial glycoprotein C gene of Bovine Herpes Virus -1 field isolate.
47	2011	M. Veena, Placid E.D'Souza and D. Rathnamma	Detection of Cryptosporidiosis in cattle by Latex agglutination test.
48	2011	Vivekananda, S. Sundareshan, P. Sheela, N. Krishnaveni, S. Ranganatha, S. Shwetha, Roopa Kadasani, S. Isloor and D. Rathnamma	Human Brucellosis: Seroprevalence studies in Human Risk Groups at Mandya District, Karnataka State
49	2011	S. Chakraborty, B.M. Veeregowda, B.M. Chandranaik, S.S. Patil, S. Isloor, D. Rathnamma, M.D. Venkatesha and Veeresh	Genetic analysis of Classical Swine fever isolated from field outbreaks.
50	2011	S. Chakraborty, B.M. Veeregowda, B.M. Chandranaik, S.S. Patil, D. Rathnamma, S. Isloor G. Leena and M.D. Venkatesha	Application of one step RT-PCR for detection of Classical Swine fever virus 5' NTR gene from pooled tissue materials
51	2011	S. Chakraborty, B.M. Veeregowda, B.M. Chandranaik S.S. Patil, D. Rathnamma, S. Isloor G. Leena and M.D. Venkatesha	Isolation of a Non - Cytopathogenic Classical Swine fever virus.
52	2011	G. Leena, B.M. Veeregowda and N. S. Saritha	Bacteriological Quality of Pasteurized Milk Marketed in Bengaluru City and Its Public Health Significance.
53	2011	G. Leena, B.M. Veeregowda and N. S. Saritha	A Study on Microbiological Quality of Raw milk Available in Bengaluru City



54	2011	S. Chakraborty, B.M. Veeregowda, B.M. Chandranaik S.S. Patil, S. Isloor, D. Rathnamma, M.D. Venkatesha, G. Leena and Veeresh	Genetic analysis of Classical Swine fever isolated from field outbreaks.	
55	2011	S.Chakraborty, B.M. Veeregowda, B.M. Chandranaik S.S.Patil, D. Rathnamma, S. Isloor G. Leena and M.D. Venkatesha	Application of one step RT-PCR for detection of Classical Swine fever virus 5' NTR gene from pooled tissue materials.	
56	2011	S. Chakraborty, B.M. Veeregowda, B.M. Chandranaik, S.S. Patil, D. Rathnamma, S. Isloor, G.Leena and M.D. Venkatesha	Isolation of a Non - Cytopathogenic Classical Swine fever virus.	

Veterinary College, Bidar

1	2012	Jagannatha Rao, B. and Kale Asaram Kernath	Dharwad PEDA- A sweet delicacy of Kamataka.	Int workshop on Strategies in Value addition and Safety Aspects Pertaining to Dairy and Food Industry
2	2011	Puttalakshmamma, G.C., A. I. Patel, C.G. Joshi, A.Tripati and C.D. Bhong	Molecular characterization of adult and eggs of buffaloe amphistomes by PCR – RFLP	Int Conf on Emerging Animal Health for Better Livestock Production Under WTO Regime on 9 June 2011, Department of Microbiology, Veterinary College, Bangalore. Organized by XXV Annual Convention of Indian Association of Veterinary Microbiologists, Immunologists and Specialists in Infectious Diseases



3	2011	Dilipkumar, D. Shivaprakash, B.V., Bhoyar, R., Kirankumar Naveen, M. and Manjunath, S.P	Unusual clinical conditions of ruminants and their surgical management	Int Symposium on Nano biomaterials in biomedical research and 34 th annual congress of ISVS organized by Indian society for Veterinary surgery at College of veterinary sciences, Kolkatta, during 11-13 th Nov 2011.
4	2011	Dilipkumar, D. Shivaprakash, B.V., Kirankumar, M.N., Naveen, M. and Manjunath, S.P	Large traumatic muscular injury and its repair in Turkey bird	

Institute of Animal Health & Veterinary Biologicals, Hebbal, Bengaluru

1	2011	Amitha Gomes, S. M. Byregowda, Raveendra Hegde, K. M. Purushotham, B. M. Chandranai, S. L. Yashvanth and C. Renukaprasad	Development of an indirect ELISA and its comparison with cELISA and VNT for the detection of antibodies against peste des petits ruminants virus in small ruminants.	XXV Annual convention of Indian Association of Veterinary microbiologists, Immunologists and specialists in Infectious diseases and International conference on “Energizing animal health for better livestock production under WTO regime” at Department of Veterinary Microbiology, Veterinary College, Hebbal, Bangalore on June 9-10, 2011.
2	2011	Yashvanth S.L, Shivraj Murag, Byregowda S.M, and Renukaprasad C	Concurrent occurrence of classical swine fever and salmonella in pigs	
3	2011	Byregowda S. M, Yashvanth S. L, D. K. Sharma and Renukaprasad C	Comparative evaluation of serum antibodies against Classical swine fever virus in vaccinated pigs by using Indirect ELISA and Direct blocking ELISA	
4	2011	Amitha Gomes, S. M. Byregowda, Raveendra Hegde, K. M. Purushotham, Sanjeev Kumar and C. Renukaprasad	Isolation, Molecular characterization and phylogenetic studies of sheep pox viruses from different outbreaks in Karnataka	
5	2011	B. R. Sumathi, S. M. Byregowda, K. R. Ramnath, N.S. Saritha, Shivaraj Murag, K.M. Purushotham and C. Renukaprasad	Isolation and molecular characterization of <i>Pasteurella multocida</i> from ducks and turkeys	



6	2011	Yashavanth S. L, Shivraj Murag, Byregowda S. M, and Renukaprasad C	Concurrent occurrence of classical swine fever and <i>Salmonella</i> in pigs	
7	2011	Byregowda S. M, Yashavanth S. L, D. K. Sharma and Renukaprasad C	Comparative evaluation of serum antibodies against Classical swine fever virus in vaccinated pigs by using Indirect ELISA and Direct blocking ELISA	

Dairy Science Division

Dairy Science College, Hebbal, Bengaluru

1	2011	Harini Venugopal and H. G. Ramachandra Rao	Food 2012 A food web a global connect	Intl. Conf. Foods – 2012 at MOP Vaishnav College, Chennai, 27-31, 12, 2011.
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Fisheries Science Division

College of Fisheries, Mangalore

1	2011	Mahadev G. Bhat, Ramachandra Bhatta and M. Shumais	Can Tourism Pay for Conservation? A Study from the Maldives <i>SANDEE Policy Brief</i> ,	South Asian Network for Development and Environmental Economics Kathmandu, Nepal
2	2012	Mahadev G. Bhat, Ramachandra Bhatta and Mohamed Shumais	User-based Financing of Marine Protection in the Maldives	
3	2011	H. Shivananda Murthy	Polyculture of <i>Mmacrobrachium rosenbergii</i> with Indian carps and nutritional manipulation to achieve higher production of giant prawn.	International Asia Pacific Aquaculture Conference, College of Fisheries, Cochin, Kerala, January 17-20, 2011.
4	2011	H. Shivananda Murthy	Enhancement of immune response and disease resistance in <i>Macrobrachium rosenbergii</i> ,	



Krishi Vigyana Kendra, Mangalore

1	2011	G. Nagesh, H. Hanumanthappa and Jayashree	Success story : Software professional became best farmer in coastal zone	Intl. Conference on Innovative approaches on Agricultural Knowledge Management: Global Extension Experiences. New Delhi
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b. National Publications

i) Publications in Journals

#	Year	Authors	Title of Paper	Journal
<i>Veterinary / Animal Sciences</i>				
Veterinary College, Hebbal, Bengaluru				
1	2011	Vinay T, Shridhar N. B, Narayanaswamy H. D, Shrikrishna I and Jayakumar K	Sub chronic toxicity study of <i>Fusarium xylarioides</i> culture filtrate from ground nut hay in rats	J. Lab. Ani. Sci. 1(1): 49-53
2	2011	Anjaneya S N, Ramesh C. B, Shridhar N. B, Basavesha Hugar and Sunil Kumar K. M.	Clinical Management of Multiple drug toxicity in Hallikar Bullocks	Vet. World, 4(2):87
3	2011	G. R. Shivaprasad, N. B. Shridhar, S. Yathiraj, H. D. Narayanaswamy and K. Jayakumar	Toxicity studies of <i>Aspergillus terreus</i> culture filtrate from paddy straw in mice	I.Vet. J. 5(2):88
4	2011	K. Mohan, N. B. Shridhar, T. G. Honnappa, S.G.Ramachandra, K. Jayakumar, K. N. Pavankumar and G. R. Shivaprasad	Milk production and reproductive performance of crossbred heifers induced into lactation.	I.J.DairySci.12(2): 89
5	2011	Vinay Tikare, Shridhar, N.B, Narayanaswamy H.D, Shrikrishna Islloor and Jayakumar. K	Subchronic toxicity study of <i>Rhizopus oryzae</i> culture filtrate from groundnut hay in rats	I.J.Ani. Res. 45 (2): 130-134.
6	2011	Vinay Tikare, Jayakumar K, Shridhar, N.B and Suguna Rao.	Subchronic toxicity study of <i>Fusarium verticillioides</i> culture filtrate from groundnut hay in rats.	I.J.Ani. Res. 81(9): 28-31.
7	2011	Vinay Tikare, Shridhar, N.B., Jayakumar. K, Suguna Rao and Indu Tripathi.	Toxicity study of <i>Fusarium xylarioides</i> infected groundnut hay in calves.	I.J.Ani. Res 45 (3): 180-185.



8	2011	Vinay Tikare, Shridhar, N. B., Narayanaswamy H.D, Shrikrishna Isloor and Jaykumar, R.	Sub chronic toxicity studies of <i>Fusarium xylaroides</i> culture filtrate from ground nut hay in rats.	<i>J. Lab. Ani Sci.</i> , Vol. 1, (1),: 49-53
9	2011	Shekhar R Badhe, Fairoze, M.N., Rathnamma D and Manjunatha H.	Efficacy of Aqueous extract and Essential oil of Cinnamon in decontaminating chicken meat	<i>J. Meat Sci.</i> , 7(2): 21-24
10	2011	Shekhar R Badhe, Fairoze M.N., Rathnamma D and Manjunatha, H	Clove Powder as an antimicrobial agent in chicken meat	<i>J. Meat Sci.</i> 7(2): 25-29.
11	2011	R. Shome, S. Das Mitra, M. Bhuvana, N. Krithiga, D. Velu, R. Shome, S. Isloor, S.B. Barbuddhe and H. Rahman	Multiplex PCR assay for species identification of bovine mastitis pathogens.	<i>J. Appl. Micro.</i> 111 (6):1349-1356
12	2011	Chakraborty, B. M. Veeregowda, B. M. Chandranai, D. Rathnamma, S. Isloor, M.D. Venkatesha, G. Leena, H. Veeresh and S.S.Patil	Molecular characterization and geno grouping of Classical swine fever virus isolated from field outbreaks	<i>I.J. A. Sci.</i> 81 (8): 21-25
13	2011	M. Veena, Placid E.D'Souza and D.Rathnamma	Diagnosis of Cryptosporidiosis in Cattle	<i>I Vet J.</i> 88 (9):68-70.
14	2012	Vivekananda, R Shome, S Isloor, D Rathnamma, B. M. Veeregowda, V.V.S. Suryanarayana, B. R. Shome and K. Prabhudas	A multi-pronged approach for diagnosis of <i>Brucella melitensis</i> infection in Sheep flocks.	<i>I.J.Anim Sci.</i> 82 (2)
15	2011	G. Vinod Kumar, Y.B. Rajeshwari, U. Shivaraj and C. Ansar Kamran	Prevalance of leptospirosis in contemporary colonies of rats in and around Bangalore	<i>I J. Ani. Prod. Mgmt</i> 27(1-2) 5-7.
	2011	Anilkumar Gangareddi, Y.B. Rajeshwari, Mahadevappa, D. Gouri and K. Ningaraju.	Comparative study on development of footpad injuries in rabbits reared on floor and cage system	<i>M.J. Agric. Sci.</i> 54(3) 701-702
16	2012	B.S. Nanjesh, H.N.N. Murthy, K. Sathyendaraya, V. Jagadeeshwary, N.K. Dharnesha and K.N. Pavankumar	Adoption of Scientific Management Practices by Farmers Rearing Improved Varieties of Colour Plumaged Chicken	<i>M.J. Agric. Sci.</i> , 46(1): 156-159.
17	2011	Veena M., Placid E.D'Souza and Rathnamma D.	Diagnosis of Cryptosporidiosis in cattle.	<i>I Vet J.</i> 88, 9, 68-70
18	2011	Arun M. Dafedar, Placid E. D'Souza, and Mamatha G.S.	Prevalence and morphological studies on <i>Sarcocystis</i> species infecting cattle in Bangalore	<i>J. Vet Parasitology</i> 25,1,183-184



19	2011	H.K.M. Rekha, G.C. Puttalakshmamma, Placid E.D'Souza, K.J. Ananda and Suguna Rao.	Hematological and biochemical changes due to cryptosporidiosis in bovines	<i>J.Vet Parasitology</i> 25(2):135-138
20	2011	M. Veena, Placid E. D' Souza and Rathamma D	Coproantigen detection of <i>Cryptosporidium parvum</i> infection in cattle in and around Bangalore.	<i>J.Vet Parasitology</i> 25(2):181-182.
21	2012	Veena, M., Placid E. D'Souza , Sreenivasamurthy G.S. and Renukaprasad C.	Serodiagnosis of Cryptosporidiosis in cattle by IFAT	<i>I.J. Ani.Res,</i> 46(1):70-73
22	2012	Placid E. D'Souza, Dhanalakshmi. H., and Mamatha G.S.	Parasitic Gastroenteritis in ruminants.	<i>The Blue cross</i> book, 26,12-19
23	2011	Sowmya Narayan, Narayana Swamy M and Veena T.	Ovarian antral follicular dynamics in Ankamali Pigs	<i>Vet World</i> , 4(6):264-265.
24	2011	Kalmath G. P., Narayana Swamy M and Veena T.	Effect of Refrigerated storage on <i>In Vitro</i> Osmofragility of Erythrocytes in Buffaloes	<i>I Vet J</i> , 88 (12): 75-76.
25	2011	Hanamanta Nyamagonda, M. Narayana Swamy, T. Veena, K. Jayakumar and H.D. Narayana Swamy	Effect of prebiotic and probiotics on growth performance in broiler chickens.	<i>I J of Ani Res</i> , 45 (4):271-275.
26	2011	K.C. Jayachandra, Suguna Rao, S.M. Byregowda, M.L. Satyanarayana, T.S. Dayananda and V.T.Shilpa	Pathoepidemiology of mammary gland tumours in canines	<i>I vet J</i> 88 (1)
27	2011	K.C. Jayachandra, Suguna Rao, S.M. Byregowda, M.L. Satyanarayana and T.S. Dayananda	Cytology and histopathology of canine mammary gland tumours	<i>I vet J</i> 88(1):14- 15
28	2011	T.S. Dayananda, Suguna Rao, M.L. Satyanarayana, S.M. Byregowda, K.C. Jayachandra and V.T.Shilpa.	Estimation of Ki 67 and AgNOR proteins in canine mast cell tumors.,	<i>I.Vet.J.</i> 88(4) 21- 22.
29	2011	K.C. Jayachandra, Suguna Rao, S.M. Byregowda, M.L. Satyanarayana, T.S. Dayananda and H. Ananda	Prognostic value of argyrophilic nucleolar organizer regions (AgNORs) in canine malignant mammary gland tumors	<i>I.J. Vet.Pathol</i> , 34(2): 120-122.
30	2011	L. Ranganath and Ramesh Rathod	Intra Abdominal Actinomycetoma in a cat.	<i>I Vet. J.</i> , May, 88 (5): 64-65.



31	2011	K. M. Srinivasa Murthy, V. Mahesh, Ramesh Rathod and L. Ranganath.	Surgical Management of Caecal Dilatation and Torsion in a Cow.	I Vet. J., June, 88 (6): 58-60
32	2011	K. M. Srinivasa Murthy, D. R. Manjunatha & L. Ranganath	Intestinal obstruction in a Dog.	I Vet. J., July, 88 (7): 68-69.
33	2011	V. Mahesh, D. R. Manjunatha and L. Ranganath	Surgical Management of Intestinal obstruction in a Dog (short communication).	Intas Polivet Vol. 12 (1): 90-91
34	2011	V. Mahesh and L. Ranganath	Evaluation of Type 1b, Type 2 and Type 3 External skeletal fixators for radius fracture treatment in dogs.	I J., Vet. Surg., 32 (1):36-38,
35	2011	Ashish S. Holey, V. Mahesh and L. Ranganath	Foreign body obstruction at Oesophageal cardia in a Holstein friesian calf.	I J., Vet. Surg., 32 (1):68.,
36	2011	D. R. Manjunatha, B. N. Nagaraja, Suguna Rao, S. Yathiraj and L. Ranganath	Evaluation of closed and open interlocking nailing for femoral fracture repair in dogs.	I J., Vet. Surg., 32 (1):65-66, June
37	2011	D. R. Manjunath, B. N. Nagaraja, Suguna Rao, S. Yathiraj and L. Ranganath.	Evaluation of closed and open interlocking nailing for femoral fracture repair in dogs.	I J., Vet. Surg., 32 (1):65-66, June.
38	2011	Vasanth M.S. and Nagaraja B.N	Mast cell sarcoma in a dog	I.J. Canine. Pract. 3(2):127-129,
39	2011	S. Chakraborty, B. M. Veeregowda, B. M. Chandranai, D. Rathnamma, S. Isloor, M.D. Venkatesha, G.Leena, H. Veeresh and S.S. Patil	Molecular characterization and geno grouping of Classical swine fever virus isolated from field outbreaks	<i>I J of Ani Sci</i> , 81 (8): 21-25.,
40	2011	Siddaramanna R. Gideon Glori Doss, K. Chandrapal Singh, U. Krishnamoorthy and T.M. Prabhu	Effect of supplementation of surfactant and cellulolytic enzymes on the performance of growing crossbred cattle fed with urea treated Rhodes hay (<i>Chloris gayana</i>).	I J Ani. Nutri. 28(3): 392-397

Veterinary College, Bidar

1	2011	S.B. Prasanna, R. Bhar, B. Jagannatha Rao, R. Bhaskaran and M. Patel	Cost of feeding poultry offals to crossbred Landrace pigs.	I J. Ani Prod and Mngt Vol.27,No 1-2
2	2011	Rekha, H.K.M., G.C. Puttalakshmamma, Placid E. D'Souza, K.J. Ananda and Suguna Rao	Hematological and Biochemical changes due to cryptosporidiosis in bovines.	J.Vet Parasitology. 25(2): 135 -138.
3	2011	Shivaprakash, B.V.	A clinical insight into emergency surgeries in ruminants	Intas Polivet 12(II)129-141.



4	2011	Shivaprakash, B.V.	Respiratory emergencies in ruminants and their surgical intervention.	Intas Polivet 12(II) 278-282.
5	2011	Manjunath, S.M., Shivaprakash B.V., Dilipkumar D and Usturge, S.M.	Classification, haematobiochemical profile, histopathological evaluation and different treatments for yoke gall.	I. J. Vet. Surg. 32(1):31-35.
6	2011	Manjunath S.M., Shivaprakash B.V. and Dilipkumar D.	Study on prevalence of yoke gall in Karnataka state in bullocks.	Vet. Practitioner 12(2):199-205
7	2011	Prakash N, Sunilchandra U, Vijaykumar M, Pavithra B.H, Nagabhushan V and Ramachandra S.G.	Dietary supplementation of curcumin ameliorate aflatoxin B ₁ induced oxidative stress in mice.	J of Lab Ani Sci. 1(1): 31-33
8	2012	Thirumalesh, T., Ramesh, B.K and Suresh, B.N	Influence of season on nutrient intake and performance of broilers in arid region of Karnataka.	I.J. Anim. Res. 46:78-81.
9	2011	S.R. Katawate, G.B. Kumbhar, U. Sunilchandra., M. Vijaykumar and S.P. Sawant	PCR based embryo sexing in livestock	The North East Veterinarian. XIII(3): 30-32
10	2011	P. Kumar, S.P. Singh, K. Shrikant and D. Madhuker	Analysis of buffalo liver samples for the presence of chlorpyrifos residues by using high performance liquid chromatography.	Turkish j. Vet. Ani Sci. 35(4): 219-226.
11	2012	S.M. Manjunath and Pradeep Kumar	Comparative efficacy of flumethrin and ivermectin against tick infestation in deoni cattle.	Ani Sci. Reporter. 6(1): 36-40.

Veterinary College, Shivamogga

1	2011	Sushant Handage, K.C. Veeranna, Shivanand Kumbar and G.T. Gopala.	promotion of goat rears groups and study of structure and function,	Vet Sci Res J, vol.2(1&2):1-5
2	2011	Sushant Handage, K.C. Veeranna and Gopala. G.T	Livelihood security of buffaloe rearers through community organization.	Res J. AH & Dairy Sci., vol 2(2):50-53
3	2011	Basavaraj M., Nagabhushana V., Prakash, N., Appannavar, M.M., Prashanth wagmare and S. Mallikarjunappa.	Effect of dietary supplementation of <i>Cucuma longa</i> on the biochemical profile and meat characteristics of broiler rabbits under summer stress	Vet World, 4(1): 15-18



4	2011	Prakash N., Sunilchandra U., Vijaykumar M., Pavitra B.H., Nagabhushana V. and Ramachandra S.G	Dietary supplementation of curcumin ameliorate aflatoxin B ₁ induced oxidative stress in mice	J. Lab An. Sci., 1(1):31-33
5	2011	Kiran L., Nagabhushana V., Jadhav N. V., Madhavaprasad C. B., Ashok Pawar and Shettar V.B	Effect of graded levels of jojoba meal in the complete feed of rabbitson voluntary intake and nutrient utilization	J. Lab An. Sci., 1(1):39-42
6	2011	Ganga Nailk S, Ananda K.J., Kavitha Rani B., Kotresh A. M., Shambulingappa B.E and Patel. S.R.	Navel ill in new born calves and its successful tratmetn	Vet World. Vol.4 (7): 326-327.
7	2012	Balasundra Kavitha Rani, Shekya Ganga naik, Konanur Javaregowda Ananda, B.E. Shambulingappa, Suresh Revanna Patel and M.Devaraj	Necrotic stomatitis and haemorrhagic enteritis in an Indian Rock Python.	Eurasian J of Vet Sci, Vol 28(1), pp 60-63
8	2012	Balasundara Kavitha Rani, Shekya Ganga Naik, Konanur Javaregowda Ananda, Eswarappa S. B., Suresh Revanna Patel and Mosarukunte Devaraj	Necrotic stomatitis and haemorrhagic enteritis in an Indian Rock Python.	Eurasian J. Vet Sci, 28(1): 60-63
9	2011	H. K. M. Rekha, G. C. Puttalakshmamma, Placid E. D'Souza, K. J. Ananda and Suguna Rao.	Hematological and Biochemical changes due to cryptosporidiosis in bovines.	J.Vet Parasitology, 25 (2), 135-138.

Veterinary College, Hassan

1	2011	M. S. Vasanth and B. N. Nagaraja	Mast cell sarcoma in a dog.	I.J. Canine Practice, 3(2):127-129.
2	2011	Prasanna S. B., Chhabra, A.K., Bhar. R., Manjunatha Reddy, G. B., Rajeshwari, Y.B and Patel M.	Influence of Kitchen wastes and poultry offals feeding on water intake in landrace crossbred pigs.	I Vet.J, 88(5):68-69.
3	2011	S. B. Prasanna, R. Bhar, B. Jagannatha Rao, R. Bhaskaran and M. Patel	Costs of feeding poultry offals in Landrace crossbred pigs.	I J. Anim. Prod.Mgmt.27,(1-2),
4	2011	Sunita Choudhary, Muralidhara A and Ravindranath B.M.	Ruminal acidosis in small ruminants and its therapeutic management.	Polivet. Vol.12(2), 320-321.
5	2011	Sunita Choudhary, Muralidhara A. Upendra, H. A and Ravindranath, B. M.	Treatment of Amitraz-resistant juvenile generalised demodicosis in a dog.	Polivet., Vol 12 (1), 78-79



Institute of Animal Health & Veterinary Biologicals, Hebbal, Bengaluru

1	2011	T. S. Dayananda, Suguna Rao, S. M. Byregowda, V. T. Shilpa, K. C. Jayachandra and M. L. Satyanarayana	Estimation of Ki67 and AgNOR proteins in canine Mast Cell tumors.	I.V.J. 88(4), 21-22.
2	2011	S. Chakraborty, B. M. Veeregowda, B. M. Chandranaiik, D. Rathnamma, S. Islloor, M. D. Venkatesha, G. Leena, H. Veeresh and S. S. Patil	Molecular characterization and geno grouping of classical swine fever virus isolated from field outbreaks	I J Ani Sci 81(8): 803-806.
3	2011	Harini H and Sumathi B.R	Screening of bovine milk samples for subclinical mastitis and antibiogram of bacterial isolates	Vet world. 4(8): 237-238,
4	2011	Shilpa V. T., B. C Chittiappa, P. Nandini, P. Giridhar and C. Renukaprasad	Normal haematological values in panthers (<i>Panthera pardus</i>).	I Vet J.89(3); 95-96.

Canine Research & Information Center, Mudhol

1	2011	Mahesh S. Dodamani, Khaja Mohetsamuddin, S.D.Awati M.K.Tandle and Suresh S. Honnappagol	Studies on Calving pattern in Buffaloes.	Vet World,3(4):188-190.
2	2011	Mahesh S. Dodamani, Khaja Mohteshamuddin and M. K. Tandle	Evaluation of Pre and Post artificial insemination effect of GnRH hormone on conception of repeat breeder crossbred Deoni cows.	Vet. World,3(5).
3	2011	Mahesh S. Dodamani, M.K.Tandle and Khaja Mohteshamuddin	Induction of fertile estrus in true anoestrus by re-utilisation of the Crestar Implants in She Buffaloes.	Vet. World,4(1).

Dairy Science division

Dairy Science College, Hebbal, Bengaluru

1	2011	G. Harini and H.G. Ramachandra Rao	Effect of lactose hydrolysis on physicochemical, functional and sensory attributes of gulabjamun	M.J.A.S. 45(4):783-787
2	2012	H.G. Ramachandra Rao and K. G. Rashmi	Designer Milk.	I.Dairyman. 64(1):66.
3	2012	Apurba Giri and H. G. Ramachandra Rao	Effect of partial replacement of sugar with stevia on the quality of Kulfi	J.Fd.Sci Technol. (online)



Dairy Science College, Gulbarga

1	2011	L. Mahalingaiah; B.V. Venkateshiah, S Kulkarni and K Jayaraj Rao	Studies on energy requirements in manufacture of Kunda – A heat desiccated Indian Milk Product	J.Fd Process Eng. 34:444-456.
2	2011	L. Mahalingaiah, B. V. Venkateshiah, S. Kulkarni & K. Jayaraj Rao	Study on the effect of packaging materials on the physico-chemical, microbiological and sensory quality of Kunda.	J. Fd Sci.& Technol,

Fisheries Science division

College of Fisheries, Mangalore

1	2011	Abhiman, K.M.Shankar, Raj Reddy Patil, P.P. Suresh Babu, A.K. Sahoo and B. A. Shamsunder	Monoclonal antibody based immunodot for specific detection of proteins of the shrimp <i>Penaeus</i> species	<i>J. Fd. Sci. Technol</i> (online)
2	2011	Ruwandeepta H.A., Defoirdt T, Bhowmick P.P., Karunasagar I., Karunasagar I, Bossier P.	In vitro and in vivo expression of virulence genes in <i>Vibrio</i> isolates belonging to the Harvey clade in relation to their virulence towards gnotobiotic brine shrimp (<i>Artemia franciscana</i>).	Environ Microbiol. 13:506-517.
3	2011	Ruwandeepta HA, Defoirdt T, Bhowmick PP, Karunasagar I, Bossier P	Expression of virulence genes in luminescent and nonluminescent isogenic vibrios and virulence towards gnotobiotic brine shrimp (<i>Artemia franciscana</i>).	<i>J. Appl. Microbiol.</i> 110(2): 399-406.
4	2011	Adiga, R, Karunasagar I. and Karunasagar I	Outer membrane protein secretin of Type III secretion system of <i>Vibrio vulnificus</i> : structure prediction and orientation.	Open Access Bioinformatics. 3: 61-66.
5	2011	Adiga R., Karunasagar, I., and Karunasagar.I	Molecular Docking Studies of Type III Secretion System Effector SopB Homolog in <i>Vibrio vulnificus</i>	<i>J Comput Sci Syst Biol</i> 4:1
6	2011	Neema, M. Karunasagar I. and Karunasagar I	Antigenic epitopes and MHC binders in OmpA of fish pathogen <i>Edwardsiella tarda</i> : a bioinformatics study.	Biotechnol. Bioinfo. Bioengg. 1: 39-45.



7	2011	A.T. Ramachandra Naik	Conservation of ecologically sensitive coral reefs of India	Fishing Chimes. 31 (4),
8	2011	Lakshmi pathi, M.T., N.Manjappa, S.M. Shivaprakash, S.N. Sathyanarayananappa and B.R. Pujar	Better Management Practices in Shrimp farming on farm demonstration at MFRIC, Ankola, Uttara kannada, Kamataka	Fishing Chimes, 31(9)
9	2011	Naresh Mehta, K Elavarasan, Manjunath Reddy and B A Shamsundar	Effect of ice storage on the functional and rheological properties of proteins from freshwater fish species.	<i>J of Food Sci and Technol, (on line – IF 6.9) 2011.</i>
10	2011	H.R. Sujatha, H. Shivananda Murthy	End-user training on the utilization of electronic information sources in fisheries sciences institutions in South India"	Electronic Library, Vol. 28 (5):741 – 754

Fisheries Research & Information Center, Hebbal

1	2011	Rajanna K.B, Benakappa S, Anjaneyappa H.N, Mallesh and Honnananda B.R	Reproductive biology of Megalaspis cordyla in Mangalore coast.	Environ & Ecology. 30(1):41-44.
2	2011	Murthy L.N, K.B. Rajanna	Effect of washing on composition & properties of proteins from Tiplapia (Orechromis Mossambicus) meat.	Fishery technology, 48(2):125-132.
3	2011	Adarsha H.S, Prabhuva K.N. & K.B. Rajanna	A review of translocation & management of Genetic resources of commercially important Aquaculture.	U.J.Environ. Res & Technol. 1, 152-123.

Fisheries Research & Information Center, Bhutnal

1	2011	Shivaprakash, S.M	Fisheries poems on conservation	<i>Fishing chimes. 31 (4):</i>
2	2011	Lakshmi pathi, M.T., Manjappa, N., Shivaprakash, S.M., Sathyanarayananappa, S.N., Pujar, B.R	Better management practices in shrimp farming –on farm demonstration	<i>Fishing chimes. 31 (9): 40 – 43</i>
3	2011	D.P. Rajesh, S. Benakappa, H.N. Anjanayappa, S.M. Shivaprakash, Mallesh and D.P. Prakash	Length –Weight Relationship and Relative Condition Factor of <i>Nemipterus japonicus</i> (Bloch) from Mangalore Waters	<i>Environment & Ecology 29 (4A): 2169 - 2171.</i>



19	2011	Siddaramanna, R. Gideon Glori Doss, K. Chandrapal Singh, U. Krishnamoorthy and T.M. Prabhu.	Effect of fortification of surfactants and cellulolytic enzymes to urea treated on Rhodes hay on <i>in vitro</i> gas production kinetics.	14 th Biennial Conference of Animal Nutrition Society of India-2011.GBPUA&T, Pantnagar, November 3-5, 2011. Organized by Animal Nutrition society of India
20	2011	Deepa Ananth, Gideon Glori Doss, U. Krishnamoorthy and T. Unnikrishnan	Effect of Tamarind seed Tannin, Mulberry Saponin and Their combination on <i>in vitro</i> dry matter degradability, gas and microbial biomass production of aerobic rice straw.	
21	2011	Ramu, K.C., R. Gideon Glori Doss, B.S.V.Reddy and T.M. Prabhu	Effect of supplementation of surfactant and Cellulolytic enzymes on the performance of growing lambs fed urea treated Rhodes (<i>Chloris gayana</i>) Hay.	
22	2011	P.C.Bolka., R. Gideon Glori Doss, B.S.V.Reddy, N. Rajeswara Rao and P. Anuradha	Nutritional Evaluation of Azolla (<i>Azolla pinnata</i>) in Broilers.	
23	2011	P.C. Bolka., R. Gideon Glori Doss, B.S.V. Reddy, K. Chandrapal Singh and Jayanaik	Nutritional Evaluation of Azolla (<i>Azolla pinnata</i>) in Layers.	
24	2011	Rahmani, S.F., M.R. Jayashankar, C.S. Nagaraja, R.Bhaskaran, S.M. Byregowda and K. Satyanarayana	Polymorphism of bovine promoter Lactoferrin gene PCR-RFLP and its association with mastitis.	25 th Annual Convention of IAVMI and International Conference, Veterinary College, Bangalore, 9-11,06. 2011, pp 44.
25	2011	Anil kumar Gangareddi, Y.B. Rajeshwari, M.R. Jayashankar, K. Sathyanarayana, Mahadevappa D.Gouri and K.G. Satisha	Effect of Feeding different energy levels on body weight changes of does during pregnancy in successive three kindlings.	
26	2011	Anil kumar Gangareddi, Y.B. Rajeshwari, M.R. Jayashankar, K. Sathyanarayana, Mahadevappa D.Gouri and K.G. Satisha	Birth and weaning weight of bunnies fed on different energy level feeds to rabbit does during breeding and pregnancy.	



27	2011	Anil kumar Gangareddi, Y.B.Rajeshwari, U. Krishnamurthy, M.R.Jayashankar, K. Sathyaranayana, and Mahadevappa D. Gouri,	Effect of feeding different energy levels on kindling performance in rabbits.	
28	2011	Anil kumar Gangareddi, Y.B. Rajeshwari, M.R. Jayashankar, K. Sathyaranayana, Mahadevappa D.Gouri and K.G. Satisha	Breeding performance of bucks fed on different dietary energy level feeds.	
29	2012	Sadegh, M.E., Nagaraja, C.S. and Jayashankar, M.R	Association of Growth Hormone gene Polymorphism with body weights in chicken	National Symposium on 'Role of Indigenous Animal Genetic Resources in Rural Food Security vis-à-vis Climatic changes, Feb, 24-25, 2012, Pune.
30	2011	S.Yathiraj	Arthritis in Small Animals	Seminar organized by PPAK, Mumbai on 07.08.2011
31	2011	U. Krishnamoorthy	Small ruminant husbandry and economics	Technical Symposium Karnataka Veterinary Association. 09-04-2011.
32	2011	U. Krishnamoorthy	Welfare issues in sheep and goat production in Indian context.	National workshop on advanced concepts in animal welfare.26-27.08.2011. Veterinary College Hassan.
33	2011	S. Yathiraj	Disease management in animals.	Training programme on "Bio-security in Aquaculture – Aquatic Medicine" at COF, Mangalore on 10.08.2011
34	2011	Y.B. Rajeshwari, K. Sathyaranayana and R. Bhaskaran	Backyard rabbitry and its role in improving the rural economy.	Symposium on Emerging Management Concepts for Sustainable Livestock and Poultry Production. College of Veterinary Science, Ludhiana. 2-4 November, 2011.



35	2011	Anilkumar Gangareddi, Rajeshwari, Y.B. Jayashankar, M.R. K. Sathyanarayan, Mahadevappa D. Gouri and Satisha K.G	Breeding performance of bucks fed on different dietary energy level feeds.	National Symposium on Emerging Management Concepts for Sustainable Livestock and Poultry Production. College of Veterinary Science, Ludhiana. 2-4,11.2011.
36	2011	Anilkumar Gangareddi, Rajeshwari, Y.B. Jayashankar, M.R. K. Sathyanarayan, Mahadevappa D. Gouri and Satisha K.G	Birth and weaning weight of bunnies fed on different energy level feeds to rabbit does during breeding and pregnancy	
37	2011	Anilkumar Gangareddi, Rajeshwari, Y.B. Jayashankar, M.R. K. Sathyanarayan, Mahadevappa D. Gouri and Satisha K.G	Effect of feeding different energy levels on body weight changes of does during pregnancy in successive three kindlings.	
38	2011	S. Yathiraj and H.A.Upendra	Mange in Pet Animals.	XV National Training programme on "Advances in Veterinary Entomology and Acarology" during 21.11.2011 to 11.12.2011, sponsored by the ICAR under the aegis of the Centre of Advanced Faculty Training and organized by Dept of Parasitology, Veterinary College, Bangalore
39	2011	U. Krishnamoorthy	Feeding of dairy calves and heifers.	Officers Training organized by the Directorate of Extension Department of Agriculture and Co- operation, Ministry of Agriculture, Govt. of India and NIANP, Bangalore at National Institute of Animal Nutrition and Physiology, Adugodi, Bangalore on 17-12- 2011.



40	2012	Placid E. D'Souza	A lead paper entitled "DNA microarrays and its applications in Parasitology" was delivered.	XXII National Congress of Veterinary Parasitology at Department of Veterinary Parasitology, Veterinary College, Mathura from 15.03.2012 to 17.03.2012.
41	2012	P. Malakondaiah and Placid E. D; Souza	Serodiagnosis of <i>Trypanosoma evansi</i> infection in bovines by enzyme immuno transfer blot.	
42	2012	P. Malakondaiah and Placid E. D; Souza	Protein profile of whole cell lysate antigen of <i>Trypanosoma evansi</i>	
43	2012	Kumar S.C., Renukaprasad C and Placid E.D' Souza	Benzimidazole resistance in Haemonchus contortus in sheep farms of Karnataka state.	

Veterinary College, Bidar

1	2012	G.C. Puttalakshmamma, S.V. Sonule, Vivek Kasaralikar, S.C. Sumudra, and B.G. Ravindra	Hump sore in Bullocks in Bidar district – A Clinical report.	XXII National Congress of Veterinary Parasitology (XXII NCVP) on Integrated Research Approaches in Veterinary Parasitology: From Basic to Molecular Techniques organized by Department of parasitology College of Veterinary Science & Animal Husbandry Pt. Deen Dayal Upadhyay Pashu Chikitsa Vigyan Vishwavidyalay Evam Go Anusandhan Sansthan, Mathura (UP .from March 15-17, 2012
2	2012	G.C. Puttalakshmamma, C.G. Joshi, C.D. Bhong and A.Tripati	DNA quantity and quality from adults and developmental stages of Paramphistomes	
3	2012	G.C. Puttalakshmamma, S.V. Sonule, S.C. Patharkar, N.A. Patil, Vivek Kasaralikar and A. M. Sonphule	Gastro-intestinal parasitism in cow and buffalo calves of Bidar region of Karnataka	
4	2012	G.C. Puttalakshmamma, H.H. Mehata, A. I. Patel, C.G. Joshi, U. Ramani and Y.A. Chatur	Identification of genetic variability among different species of Paramphistomes of buffaloes using Random-amplified polymorphic DNA polymerase chain reaction	



5	2011	Naik D.T	Presented eight different research paper of abstracts	Annual congress of veterinary pathologists and 28 th annual conference of Indian Association of veterinary Pathologists and National symposium on innovative research approaches for diagnosis patterns held at Dept. of Pathology Madras Vety College, 6TANUVAS,Chennai from 29 th to 30 th Dec 2011.
6	2011	Prakash Patil., Prasad.K, Vijaykumar, M. Sunilchandra, U, Suranagi, M.D & Snehal Bansod	Evaluation of Anti-infalammatory effect of <i>Butea monosperma(Lam)</i> bark extraxct against formalin induced edema in rats	National Seminar on: Newer perspectives of Ethnopharmacology and its clinical implications: Oppurtunities and challenges. Organized by Dept. of Veterinray Pharmacology and Toxicology, College of Veterinary and Animal Sciences,Mannuthy, College of Veterinary and Animal Sciences,Mannuthy, on 26.08.2011.
7	2011	Prakash Patil., Prasad.K, Vijaykumar. M. Sunilchandra. U, Pradeepkumar & Snehal Bansod	Evaluation of Anti-infalammatory effect of <i>Butea monosperma(Lam)</i> bark extraxct against carrageenan induced art paw edema in rats	
8	2011	Prakash Patil., Prasad.K, Vijaykumar, M. Sunilchandra, U, Pradeepkumar & Snehal Bansod	Evaluation of Antiulcer activity of methanolic extract of <i>Butea monosperma(Lam)</i> bark extraxct against alcohol induced ulcer in rats	
9	2011	Prakash Patil., Prasad.K, Vijaykumar, M. Sunilchandra, U, Shrikant Kulkarni and Snehal Bansod	Evaluation of Antiulcer activity of methanolic extract of <i>Butea monosperma (Lam)</i> bark extraxct against drug induced ulcer in rats.	
10	2012	Vivek Kasaralikar, G C Puttalakshmamma, SV Sonule, SC Halmandge, BG Ravindra, NA Patil and Vishwanath H	Concurrent infection of <i>E. canis</i> and <i>B. Canis</i> in a Golden Retriever pup	XXII National Congress of Indian Association of Advancement of Veterinary pathology held at College of Veterinary Science and Animal Husbandry, Mathura from 15-17.03.2012. Pp. 109
11	2012	Sonule SV, Puttalakshmamma GC, Vivek Kasaralikar, Patil NA, Halmandge S.C. and Ravindra BG	A report on <i>Parasosirus equorum</i> infection in donkeys represented in Pashumela	



12	2012	Bhoyar,R., Sandeep H. Kasaralikar,V.R., Sunilchandra U., Patil N.A	Jute seed (Crotalaria seed) poisoning in cattle.	XXX th Annual convention of Indian Society for Veterinary Medicine held between 15 th to 17 th March 2012 at Veterinary College, Mumbai. Pp. 164
13	2012	Bhoyar R, Ramchandra B. Halmandge S.C., Kasaralikar V.R., and Patil N.A	Rectal prolapsed in Guinea pigs - a case study	29 th Annual convention of Indian Society for Veterinary Medicine held between 1 st TO 3 rd February 2012 at Veterinary College, Selesih, Aizawl Pp. 164
14	2012	Bhoyar R, Kasaralikar V.R., Shrikanth Kulkarni and Udupa K.G	Monensin as antibloat therapeutic agent in ruminants	
15	2012	Bhoyar R, Halmandge SC, Karuna I, Kasaralikar V.R. and Patil NA.	Pinworm infection in Indian Langur monkeys (<i>Presbytis entellus</i>)	
16	2011	Prakashkumar Rathod, T R Nikam, Sariput Landge and Amit Hatey	Farmers' perception towards livestock extension services delivered by Dairy cooperatives: A Case study of Western Maharashtra, India	6 th National Extension Education Congress held from 17-19.12.2011, ICAR Goa. Organized by Society of Extension Education, Agra

Veterinary College, Shivamogga

1	2011	K.C. Veeranna	Livelihood Security of Rural Poor through Goat Rearing as a Working model: Emerging Option.	<i>Proceedings of National seminar entitled Intervention in Farming System Research & Extension for Inclusive Development</i> , Veterinary College, TANUVAS, Chennai, pp 84-92.
2	2011	Giridhar K.S., R.G. Gloridas, B.S.V. Reddy, T.M. Prabhu, Nagabhushana V. and Siddeswara N.C	Study on the effect of feeding detoxified Karanj (Honge) (<i>Pongamia Glabra vent</i>) seed meal on carcass characteristics of broiler rabbits.	14th Biennial conference of Animal Nutrition Society of India, held at GBPUA & T, Pantanagar (Uttaranchal).
3	2012	Ananda, K.J, Muraleedharan K., Ganesh Udupa K and Prakash N	<i>In vitro</i> studies on the efficacy of Retorsor on common ticks of domestic animals.	22 nd National Congress of IAAVP and National Symposium on Integrated Research Approaches in Veterinary Parasitology: From Basic to Molecular Techniques, 15-17, 03.2012, Vety. College, Mathura UP.
4	2012	Ananda, K.J, Muraleedharan K., Ganesh Udupa K and Prakash N	<i>In vitro</i> studies on the efficacy of Retorsor on common lice of domestic animals.	



5	2011	K.C. Veeranna	Livelihood Security of Rural Poor through Goat Rearing as a Working model: Emerging Option	National seminar on Intervention in Farming System Research and Extension for Inclusive Development, 24-25, 11.2011, Veterinary College, TANUVAS, Chennai.
6	2011	H.K.M. Rekha, G.C. Puttalakshmamma, K.J. Ananda & Suguna Rao	Haematological and Biochemical changes due to Cryptosporidiosis in Bovines	XXI National Congress of Veterinary Parasitology on "Applications of Research in Parasitology for End Users" organized by Department of Parasitology, Bombay Veterinary College, MAFSU, under the tutelage of IAAVP (5-7,01.2011) S1-014, pp-30.
7	2011	H.K.M. Rekha, G.C. Puttalakshmamma, K.J. Ananda and Placid E. D' Souza	Detection of Cryptosporidium infection in calves by negative staining methods	
8	2011	K. J. Ananda, B. Kavith Rani, M Arif, S. Revanasiddappa, S. M. Venkatesh and K. Ramesha	"Chronic Fasciolosis induced choleliths in the bile ducts of liver in cattle: A case report	
9	2011	K. J. Ananda, Ganesh Udupa, Suresh Patel and T.J. Naveen Kumar	Chronic Fasciolosis induced choleliths in the bile ducts of liver in cattle: A case report	
10	2011	G.C. Puttalakshmamma, Basavaraj Awati, N. A. Patil and K.J. Ananda	<i>Cryptosporidium canis</i> infection in a dog- a case report	
11	2011	K. J. Ananda, B. Kavith Rani, Suresh Rathode, C. Nandeesh and Yashaswi Naravi	" <i>Ascaridia galli</i> infection in a Checkered Keelback snake: A case report	
12	2011	K. J. Ananda, B. Kavith Rani and S. Ganga Naik, 2011	<i>Ascaridia</i> infection in an Indian Rock Python: A case report"	
13	2011	K. J. Ananda, B. Kavith Rani, K. Ramesha, M. J. Swethashree, V. H. Ranjitha, K.H. Nagaraj and R. V. Prasad	"Tape worm Infection in a leopard : A case report"	
14	2011	K. J. Ananda, Yashaswi Naravi and K. Ramesha,	"Studies on Gastrointestinal parasites of common snakes of Western Ghats of Karnataka"	
15	2011	K. J. Ananda, S. Ganga Naik and Yashaswi Narav	"Studies on Gastrointestinal parasites of common snakes of Western Ghats of Karnataka".	



16	2012	K. J. Ananda, Chandrashekhar, S., Yashaswi Naravi, Ramesha, K. and M. Devaraj	Prevalence of gastrointestinal parasites of wild animals maintained under captive state	XXII National Congress of Veterinary Parasitology on “Integrated Research Approaches in Veterinary Parasitology: from basic to molecular techniques” organized by Department of Parasitology, College of Veterinary Science and Animal Husbandry, DUVASU, under the tutelage of IAAVP (15- 17.03.2012) II-21, pp-28.
17	2012	K. J. Ananda, Muraleedharan, K., Ganesh Udupa, K. and Prakash, N	“In vitro studies on the efficacy of Retorsor on common ticks of domestic animals	
18	2012	K. J. Ananda, Chandrica, L. B. and M. Devaraj	Immunodiagnosis of <i>Haemonchus contortus</i> infection in sheep by Counter immunoelectrophoresis using somatic antigen	
19	2012	K. J. Ananda, Chandrica, L. B. and M. Devaraj	Latex agglutination test: A rapid diagnostic technique for the detection of <i>Haemonchus contortus</i> infection in sheep	

Veterinary College, Hassan

1	2011	Prasad S. Nagpure, T.M. Prabhu, K. Chandrapal Singh, R.G. Gloridas and Y.B. Rajeswari	Nutritional evaluation of corn (<i>zea mays</i>) germ meal based diets in broiler rabbits.	14 th Biennial Conference of Animal Nutrition society of India, 3- 5.11.2011, Livestock productivity enhancement with available feed resources, GBPUA & T, Panthnagar, UK.
2	2011	S.B. Prasanna, M.C. Shivakumar, B.C. Umashankar, G.S. Naveen Kumar, M.C. Pradeep & T. M. Prabhu	Performance of RAJA-2 Broiler birds fed on Azolla	National Symposium and 19 th ISAPMCN, 2- 4.11.2011, GADVASU, Ludhiana.

Institute of Animal Health & Veterinary Biologicals, Hebbal, Bengaluru

1	2011	Shilpa V. T., B. C Chittiappa, P. Nandini, M. K. Prashanth, P. Giridhar and C. Renukaprasad	SA-02 Effect of Imipenem in treating Salmonellosis in Tigers. Session on Health Management of Captive and Free Ranging Wild Animals	National Congress, Annual Convention – Association of Indian Zoo and Wildlife Veterinarians organized by the Centre for Wildlife Forensic and Health, M. P Pashu Chikitsa Vigyan Vishwavidyalaya, Jabalpur, 15-16.09.2011.
2	2011	Shilpa V. T., B. C Chittiappa, P. Nandini, M. K. Prashanth, P. Giridhar and C. Renukaprasad.	Impaction due to Abomasal Plastic Bezoars in a Chinkara (<i>Gazella bennettii</i>).	



3	2011	Nandini M. K., Shilpa V. T., B. C Chittiappa, V. Kumar, S. Angadi, Hemalatha and P. Nandini	SA-03 Effect of Azodyl in the management of Chronic renal failure in Captive wild Felines (<i>Panthera tigris</i>)	
4	2011	Nandini M. K., Shilpa V. T., B. C Chittiappa, M. K. Prashanth and K.K Kiran	SA-05 Cervical Ventroflexion in a Tiger cub	
5	2011	Kuruvilla J., A. A. Dar, V. T. Shilpa and B. C Chittiappa	SA-08 A report of Abortion in a young Elephant?	
6	2011	Kuruvilla J., V. T. Shilpa B. C Chittiappa, and A. A. Dar	SA-10 Pyometra in a Lioness with invagination of Intestine and Spleen into stomach	
7	2011	Yathiraj S., B. C. Chittiappa, M. N. Bhat, C. Renukaprasad, V. T. Shilpa, M. K. Nandini, H. S. Prayag, R. Hemalatha, M. K. Prashnath, K. K. Kiran and V. K. Angadi	SA-28 Administration of Imipenem drug to the captive Tigers (<i>Panthera tigris</i>) suffering from bacterial gastroenteritis at Bannerghatta Biological park, Bangalore	
8	2011	C. Renukaprasad C., V. T. Shilpa and S. Nagaraja	SA-39 Occurrence of wild animal diseases in zoos and National parks in Karnataka	
9	2011	Byregowda S. M., Sathish, C. S. Nagaraj, M. R. Jayshankar and C. Renukaprasad	SB-22 Identification of animal tissue samples using Molecular methods with special reference to Wildlife	
10	2011	A. A. Dar, J. Kuruvilla, V. T. Shilpa and B. C Chittiappa	SC-02 Surgical intervention for wound treatment in a Gaur	
11	2011	Shilpa V. T., Roopa Sathish, P. Nandhini, P. Giridhar and C. Renukaprasad	SD-14 Hypovolaemic shock in a spot billed Pelican	
12	2011	Prashanth M. K., B. C. Chittiappa, V. T. Shilpa and A. A Sha	PS-17 Tuberculosis in a Lion – A case report.	
13	2011	Chittiappa B. C., V. T. Shilpa, S. Yathiraj, M. N. Bhat, C. Renukaprasad, S. Nagaraju, M. K. Prashanth, R. Hemalatha, K. K. Kiran and V. K. Angadi	PS-19 Renal failure in captive Tigers in Bannerghatta Biological park, Bangalore.	

**Institute of Wildlife Veterinary Research, Kudige, Coorg**

1	2011	Narayana Bhat M	Issues in welfare of wild animals.	National Workshop on advanced concepts in animal welfare, Hassan Veterinary College, , pp: 37-42. Compendium cum souvenir of National Congress on wildlife health and forensics. Centre for Wildlife Forensic and Health, Jabalpur. 15-16 th September 2011. pp:83
2	2011	Narayana Bhat M, Chandrapal Singh K, Krishnamoorthy U, Prashanth M K, Kirankumar K, Hemalatha R, Vinaykumar Angadi	Hand rearing of elephant calf at Anekadu Camp, Coorg District	
3	2011	Chethan Kumar G K, Narayana Bhat M, Muralidhara A	Treatment of electric shock in a monkey.	
4	2011	Kshamaa L M, Narayana Bhat M, Yathiraj S	A study on normal health status of lions and tigers at Bannerghatta Biological Park	
5	2011	Kshamaa L M, Narayana Bhat M, Isloor S	Antibody titre estimation against feline panleukopenia virus in lions and tigers at Bannerghatta Biological Park.	
6	2011	Yathiraj, S, Chittiappa, B C, Narayana Bhat M, Renukaprasad C, Shilpa V T, Nandini M K, Prayag H S, Hemalatha R, Prashanth M K, Kirankumar K, Vinaykumar Angadi	Administration of imipenem drug to the captive tiger (<i>Panthera tigris</i>) suffering from bacterial gastroenteritis at Bannerghatta Biological park	
7	2011	Vasanth M S, Narayana Bhat M, Upendra H A, Ranganath L, Nagaraj B N, Nandini M K, Kiran Kumar K, Hemalatha R, Prashanth M K, Vinaykumar Angadi and Chittiappa B C	Obstipation in an Asiatic lion – a case report	



8	2011	Hemalatha R, Kiran Kumar K, Prashanth M K, Vinaykumar Angadi and Narayana Bhat M	Medical management of blepharitis in red eared slider turtle (<i>Trachemys scriptta elegans</i>).
9	2011	Vinaykumar Angadi, , Kiran Kumar K, Prashanth M K, Hemalatha R, Chittiappa B C and Narayana Bhat M	Prolapse of hemipenis in a python
10	2011	Kiran Kumar K, Hemalatha R, Prashanth M K, Vinaykumar Angadi, Narayana Bhat M and Chittiappa B C	Enteritis in Indian Rock python – a case report
11	2011	Chittiappa B C, Shilpa V T, Yathiraj S, Narayana Bhat M, Renukaprasad C, Nagaraju S, Prashanth M K, Hemalatha R, Kiran Kumar K, Vinaykumar Angadi	Renal failure in captive tigers in Bannerghatta Biological Park, Bangalore

Canine Research & Information Center, Mudhol

1	2011	Mahesh S. Dodamani, R.G.Bijurkar, Khaja Mohteshamuddin, M.K. Tandle and S.S.Honnappagol.	Comparative study of different hormonal treatments on duration of estrus, ovulation time and conception rate of cross bred Deoni cows	28 th Annual convention and National symposium of ISSAR 2011 held Lucknow
2	2011	Mahesh S. Dodamani, R.G.Bijurkar, Khaja Mohteshamuddin, M.K. Tandle and S.S.Honnappagol	Handling of dystocia in breech presentation in goat	
3	2011	Mahesh S. Dodamani, Khaja Moizuddin, Khaja Mohteshamuddin, M.K. Tandle and S.S.Honnappagol	Management of uterine torsion in cattle and buffaloes using a semi-automatic detorsion machine	



Dairy Science division

Dairy Science College, Hebbal, Bengaluru

1	2011	Narasimha Murthy	Clean Milk Production.	State Level Workshop organized by Directorate of Watershed Development Dept. 24.12.2011, Bangalore.
2	2012	Narasimha Murthy	Influence of Edible Fibers on Glycemic Index Values of Peda	National Conference on Appropriate Technologies for Indian Food Processing industries organized jointly by Indian Institute of Crop Processing Technology, Thanjavur and UAS, Bangalore, 05-06.03. 2012.
3	2012	Narasimha Murthy	Influence of Edible Fibers on Glycemic Index Values of Sandesh	Department of Dairy Science, Veterinary College, TANUVAS, Chennai during 15-16 March, 2012.

Fisheries Science division

College of Fisheries, Mangalore

1	2011	Mridula Rajesh, K. M. Rajesh and Kamalesh Panda	Reproductive biology of Valamugil buchanani from estuaries of Dakshina Kannada.	9 th Indian Fisheries Forum, CMFRI, Chennai pp 55
2	2011	Muttappa Khavi, H. R. V. Reddy, Mridula Rajesh and A. Padmanabha	Physiological disturbances in common carp, <i>Cyprinus carpio</i> as an indicator of pollution stress.	9 th Indian Fisheries Forum, CMFRI, Chennai pp 261
3	2012	Ramachandra Bhatta.	Equity Issues in the allocation of water for infrastructure development in Coastal Karnataka.	Annual Partners Meet of the Intl. Water Management Institute-TATA Program
4	2012	S. Gunakar and Ramachandra Bhatta	Fisherwomen of Coastal Karnataka: A Socioeconomic Perspective	National Conference on Third Sector Response to Contemporary Challenges Sahyadri College of Management and Sciences, Mangalore.
5	2011	Ramachandra Bhatta	Land Rights and Institutional Reforms: A case Study of Coastal Karnataka	National Seminar on Real Sector Reforms in Agriculture, BIRD, Lucknow.



6	2011	Shivananda Murthy, H, Shankar, R and E.G.Jayaraj	Role of nucleotides in the diets of <i>Macrobrachium rosenbergii</i>	9 th Indian Fisheries Forum, 19-23, 12.2011 Chennai, India.
7	2011	T.D. Jagadessh, E.G. Jayaraj, H. Shivananda Murthy and N Chethan	Evaluation of mannan oligosaccharides (MOS) on growth and survival in rohu, <i>Labeo rohota</i>	
8	2011	B T Naveen Kumar, Shivananda Murthy, H, P.L Doddamani, R. Shankar and E G Jayaraj	Chitin supplementaion in the diet enhances growth and survival of giant freshwater prawn, <i>Macrobrachium rosenbergii</i>	
9	2011	T.D. Jagadessh, H. Shivananda Murthy, E.G. Jayaraj, N Chethan & B T Naveen Kumar	Evaluation of spawning performance of striped murrel, <i>Channa stictatus</i> in simple plastic tanks induced with the synthetic hormone ovatide	
10	2011	B T Naveen Kumar, Shivananda Murthy, H, P.L Doddamani, R. Shankar and E G Jayaraj	The protective effect of chtin against white tail disease (Mrnv and XSV) in fresh water prawn, <i>Macrobrachium rosenbergii</i>	

Fisheries Research & Information Center, Hebbal

1	2011	Basavaraju Y., Narasimha Reddy A, N.T. Prashanth	Growth performance of two strains of Common carp under polyculture in Karnataka	9 th Indian Fisheries Forum held during December 19-22, 2011.
2	2011	K.B.Rajanna, Adarsha, H.S and B.R. Honnananda, A. Narasimha Reddy, Basavaraju Y	Effect of different stocking density on growth and survival of fresh water Prawn, micro brachium rose bergii.	
3	2011	K.B. Rajanna, Adarsha, H.S and B.R. Honnananda, A. Narasimha Reddy, Basavaraju Y	Utilization of non conventional water bodies for improving livelihood of rural farmers through fish rearing. A case study	
4	2011	Adarsha, H.S, K.B. Rajanna, Basavaraju Y, B.R. Honnananda, A. Narasimha Reddy	Deterioration of water quality threatens water bodies in Bengaluru urban	



5	2011	Basavaraju Y, Narasimha Reddy A, K.B. Rajanna & N.T. Prashanth	Organic fresh water Prawn production in seasonal tanks-a success story.	Notional Conference on Organic meat, poultry and fish value chain management, Hebbal, Bangalore 12-13.11.2011.
6	2011	Basavaraju Y, Narasimha Reddy A, K.B. Rajanna & N.T. Prashant	A genetically superior Common carp breed (Amur) for organic fish production.	

Fisheries Research & Information Center, Bhutnal

1	2012.	Shankar Gondhalli, S.M Shivaprakash, Vijay, A. R. Kamalesh Panda and S. Benakappa	Length-Weight Relationship and Relative Condition Factor of Indian Mackerel, <i>Rastrelliger kanagurta</i>	National conference on New Vistas in Aquaculture held at CIBA, Chennai
2	2012	Shankar Gondhalli, S.M Shivaprakash, Vijay, A. R. Maheswara K.J., S. Benakappa and Somashekara, S.R	Breeding biology of Indian Mackerel, <i>Rastrelliger kanagurta</i> off Mangalore coast	
3	2012	Shankar Gondhalli, S.M Shivaprakash, Vijay, A. R., Adiga, S. and S. Benakappa	Awareness and rationale of compliance by the fishers on responsible fisheries	
4	2012	Shankar Gondhalli, S.M Shivaprakash, Vijay, A. R., S. Benakappa, H.N. Anjanayappa & D.P. Reddy	Perception of fishers on closed season and mesh size regulation	
5	2011	H.N. Anjanayappa, S. Benakappa, S.R. Somashekara, S.M, Shivaprakash, Kamalesh Panda & K.T. Kishor.	Length-Weight relationship and relative condition factor of <i>Priacanthus hamrur</i> off Mangalore coast	<i>Proceeding of the National Seminar on Biodiversity Conservation and Management of Aquatic Resources (NSBCMA 2010)</i>
6	2011	H.N. Anjanayappa, S. Benakappa, S.R. Somashekara, S.M Shivaprakash, Kamalesh Panda & K.T.Kishor	Breeding periodicity of the mullet, <i>Liza macrolepis</i> from Mangalore waters	
7	2011	Somashekara, S.R. S.M. Shivaprakash	Reproductive biology of Pink perch, <i>Nemipterus japonicus</i> from Mangalore waters	9 th Indian Fisheries Forum, Chennai

Krishi Vigyana Kendra, Mangalore

1	2011	G. Nagesh, H. Hanumanthappa Jayashree	Enhancing livelihood of rural women through FFS approach”	National Conference on Attracting youth for sustainable agriculture. 2011, GKVK, Bangalore
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Abstract of Research Publication

Discipline	Journals		Conference / Symposium / Seminar / Workshops	
	International	Indian	International	Indian
Veterinary Science	6	65	67	107
Dairy Science	-	05	01	03
Fisheries Sciences	1	16	05	24
Total	7	81	73	134

2. Extension Publications

Veterinary College, Hebbal, Bengaluru

Books

1. U. Krishnamoorthy, J. Moran, 2011. Rearing young ruminants on milk replacers and starter feeds. FAO Animal Production and Health Manual, ed. H. P. S. Makkar, Food and Agriculture Organization of the United Nations, Rome.
2. Bhaskarn, R., 2011. Trainees manual on Scientific pig production.

Training Manuals and Compendia:

1. A compendium of International Conference on "Energizing Animal Health for better Livestock Production under WTO regime", 2011.
2. Training manual on "Techniques in Veterinary Entomology and Acarology

Folders:

1. Narasimha Murthy H.N., Prakash Sannamani and S. Venugopal, 2011. Goujugana Hakki Sakane.
2. Narasimha Murthy H.N., Prakash Sannamani and S. Venugopal, 2011. Turkey Koli Sakane.
3. Naddem Fairozi., Prakash Sannamani and Narasimha Murthy H. N., 2011. Goujugana Hakki motte mattu mamsada upayukthate.

Popular articles

1. Dr N B Shridhar, 2011. "Kurigalalli tamrada vishabadhe". In Prajavani daily (17.03.2012).
2. Dr N B Shridhar, 2011. "Yayuvilanga visha jaanuvaru naasha". In Prajavani daily (14.02.2012).
3. Dr N B Shridhar, 2011. "Jaanuvarugalalli padarasa vishabaade". In "Prajavani daily (06.03.2012).
4. Narasimha Murthy, H.N., Prakash Sannamani and S. Venugopal, 2011. "Goujugana hakki". (Japanese quail)", Vokkaligara Pathrike, April Issue:20-22
5. Narasimha Murthy, H.N., Prakash Sannamani and S. Venugopal, 2011. "Grameena Pradeshakke sudharitha Koli Thaligalu". Annadahatha, May Issue: 16-19.
6. Prakash Sannamani and H.N. Narasimha Murthy, 2011. "Yenidu Japanese quail?" May Issue, Annadahatha: 28-29.
7. Gopinath.C.R and H.N. Narasimha Murthy, 2011. "Kukkuta Prapanchada Vividha Jathiya Koli Motte Haagu Mamsada poustikamshada Pakshinota". Vokkaligara Pathrike, June issue: 14-16.
8. H.N. Narasimha Murthy, K. Sathyanarayan and Y. Basavaraju. 2011. "Saamanya



- Raitharige Yogyavada Koli Mattu Meenu Saakane Haagu Avugala Nirvahane". Samruddi Banuli Krishi patasale.
9. H.N. Narasimhamurthy, C.R. Gopinath and Rajakumar Nagarhalli, 2011. "Guinea Koli Saakane". *Sharad Krishi*, August Issue: 26-29.
10. H.N. Narasimhamurthy, C. R. Gopinath and Rajakumar Nagarhalli, 2011. "Guinea Koli Saakane Aarthica Amshagalu". *Sharad Krishi*, October Issue: 26-29.
11. H.N. Narasimhamurthy, and C. R. Gopinath, 2011. "Uttama Aarogyakke Motteya Avashyakathe" *Vokkaligara Pathrike*, December Issue: 29-31.
12. H.N. Narasimha Murthy and Prakash Sannamani, 2011. "Turkey Koli saakane". *Annadatha*, December Issue: 40-44.
13. H.N. Narasimhamurthy and C. R. Gopinath, 2012. "Havamaana Vyapareethyadalli Koli Saakane". *Sharad Krishi*, March Issue: 42-44.
14. M. Narayana Swamy, 2011. Jeevaala Kriyeya Noble Vijnaani Krebs, (Brief Biography of Hanse Krebs). *Pashuvaidya Saahitya Loka*, Issue 7:pp. 10-11.
15. D. Rathnamma, 2011. Infectious Diseases of Livestock. *Pashusiri*, September-October Issue: pp.10-11.
16. H.A. Upendra, 2012. Harmful effects of plastic in animals and its prevention. *Pashusiri*
17. H.A. Upendra and Deepti B.R., 2012. Harmful effects of plastic in animals and its prevention. *Pashubanda - eBulletin KVAFSU*.
18. S. Yathiraj and Deepti B. R., 2012. Ketosis. *Pashubanda-eBulletin KVAFSU*.
19. M.A. Kshama 2012. Mastitis. *Pashubanda-eBulletin KVAFSU*.
- Leaflets**
1. Nadeem Fairoze, 2011. Brochure on Food Safety and Standards Acts, in Kannada and Urdu.
2. N B Shridhar, & Vinay Tikare, 2011. "Jaanuvarugalalli cynide sasyagala vishabadhe". Published by the Directorate of Extension, KVAFSU, Bidar
3. N B Shridhar & Vinay Tikare, 2011. "Jaanuvarugalalli basari soppina vishabadhe". Published by the Directorate of Extension, KVAFSU, Bidar
4. N B Shridhar & Vinay Tikare, 2011. "Mullilada naachike gidada vishakaari guna". Published by the Director of Extension, KVAFSU, Bidar.
5. N B Shridhar & Vinay Tikare, 2011. "Jaanuvaaragala chikitseyalli oushadhi sasyagala upayoga". Published by the Directorate of Extension, KVAFSU, Bidar.
6. N B Shridhar & Vinay Tikare, 2011. "Kalale jaanuvaaragalige visha". Published by the Director of Extension, KVAFSU, Bidar.

Veterinary College, Bidar

Books

1. Thirumalesh, T., 2012. Ruminant feeds evaluation for microbial biomass synthesis efficiency. Lambert Academic Publishing GmbH & Co.KG, Germany.
2. N.V. Jadhav, M.K. Tandale and P.G. Wagmare, 2011. Veterinary, Animal and Poultry Sciences Dictionary. Jaypee Brothers Medical Publishers, New Delhi.

Training Manuals:

1. Shivkumar K. Radde, 2011. Role of Livestock in Integrated farming system I. Brought out during training sponsored by Ministry of Agriculture, GOI, conducted from 16th to 23rd November, 2011.
2. Shivkumar K. Radde, 2011. Role of Livestock in Integrated farming system II Brought out during training sponsored by SAMETI North, UAS Dharwad, conducted from 23rd to 25th January, 2012.
3. Vijay Kumar. M, 2012. "An Update on: Systemic Pharmacology and Clinical Toxicology". Brought out during KVC



sponsored training programme conducted from 30th Jan. to 4th Feb. 2012.

4. Vijay Kumar, M, 2012. "Skill development on High Performance Liquid Chromatography". Brought out during training conducted by Dept of Veterinary Pharmacology & Toxicology conducted from 19th to 21st January, 2012 at Veterinary College, Bidar.
5. Vivek R. Kasaralikar, 2012. "Advances in diagnosis and treatment of diseases of sheep and goat" 20-02-2012. Dept. of Medicine, Veterinary College, Bidar
6. Vivek R. Kasaralikar, 2012. "Advances in diagnosis and treatment of diseases of livestock" February 2012 at Veterinary College, Bidar.
7. Pradeep Kumar, 2012. Estimation of antibiotic residues by using High performance liquid chromatography. In Training Manual on Skill development on High Performance Liquid Chromatography.
8. Pradeep Kumar, 2012. Estimation of pesticide residues by using High performance liquid chromatography. In Training Manual, on Skill development on High Performance Liquid Chromatography.
9. Pradeep Kumar, 2012. Drug residues and precautionary measures. In Training Manual on "An Update in Systemic Pharmacology and Clinical Toxicology".
10. Pradeep Kumar, 2011. Utilisation of Livestock Waste. In Training Manual on Integrated Livestock Farming.

Training manuals (Chapters in manuals):

1. Thirumalesh, T., 2011. Importance of improving crop residues in livestock feeding. In Training Manual on Role of Livestock in Integrated Farming System-I.
2. Thirumalesh, T., 2011. Role of unconventional feed resources in livestock feeding. In Training manual on Role of Livestock in Integrated farming-I.
3. Ramachandra, B., 2011. Feed and fodder enrichment. In Training Manual on Role of Livestock in Integrated Farming System-I.
4. Thirumalesh, T., 2012. Neutraceuticals in livestock feeding. In Training Manual on An Update on: Systemic Pharmacology and Clinical Toxicology".
5. Ramachandra, B., 2012. Anti nutritional factors in feedstuffs. In Training Manual on An Update on: Systemic Pharmacology and Clinical Toxicology".
6. Thirumalesh, T., 2012. Exploring the rumen and its microbes for therapeutic benefits. In Training Manual on An Update on: Systemic Pharmacology and Clinical Toxicology".

Popular Articles:

1. Naik, D. T. and Sonphule A.M., 2011. Role of lipotropic factors in poultry. *Pashudhan*, Sept. Issue.
2. Naik, D. T. and Sonphule A.M., 2011. Pathophysiology of constrictive pericarditis in red Kandhari Bullock. *Pashudhan*, March Issue.
3. Meera Chikhale, Vijaykumar, M. Sunilchandra, U and Shrikant Kulkarni, 2011. Pain management in animals. *Pashudhan*, Vol. 37(05): pp. 1
4. Vijaykumar, M. Pradeepkumar and Sunilchandra, U., 2012. Management of common senior pet conditions. *Pashudhan*, Vol. 38 (02): pp. 5
5. M K Tandle, AV Deepak, Md Zakiuddin, B Hiremath, A. Joshi, Vijaylaxmi, A M Sonphule, DT Naik and R G Bijurkar, 2012. Successful delivery of fetal ascites in non-descript buffalo. *Pashudhan*, 38 (3):2
6. MK Tandle, AV Deepak, S P Manjunath, MN Kirankumar, M Vijaykumar, D T Naik, S D Sonwane and A M Sonphule, 2012. Dystocia due to fetal ascites in a non-descript cow. *Pashudhan*, 38 (4): 8



7. Pradeep Kumar and Y. Haribabu, 2011. Metallo-beta-lactamase responsible for Superbug A Public Health Issue. *Science India*, December Issue.
8. Vijay Kumar, Pradeep Kumar and Sunilchandra U., 2012. Management of common senior pet conditions. *Pashudhan*, 38(2): 5
9. V. Nagabhushan, 2011. "Handigala Ahara". A chapter in training manual entitled "Vyjanika Handi Sakane".
10. V. Nagabhushan, 2012. Feeding of goats under stall feeding. A chapter in the training manual entitled "Recent advances in Sheep & Goat farming under stall feeding system".
11. V.B. Shettar, 2011. Breeds and breeding of pigs. A chapter contributed to training manual entitled "Vyjanika Handi Sakane".

Veterinary College, Shivamogga

1. M. Devaraj and V.B. Shettar, 2011. A booklet on Scientific Pig Production.
2. M. Devaraj 2011. "Reproduction in pigs" A Chapter in training manual entitled "Vyjanika Handi Sakane".
3. K.C. Veeranna and *et al.*, 2012. Stall feeding of Sheep. A booklet published by EEC, Shivamogga.
4. K.C. Veeranna and *et al.*, 2012. Recent Trends in Sheep and Goat Production System. A Training manual published by EEC, Shivamogga.
5. C.B. Madhavaprasad, 2012. Indian sheep and goat meat sector; quality and safety concerns: What we need to know? A chapter in Training Manual on Recent Trends in Sheep and Goat Production System.
6. Prakash Nadoor, 2011. Clinical Pharmacology of extra exploited drugs in small animal clinics, compendium of state level Technical Symposium. Karnataka Veterinary Association 10-11th April, Bengaluru. pp.35-3.8
7. Udupa.K.G. and Prakash Nadoor, 2011. Pharmaco-epidemiological basis for use of antimicrobials in bacterial disease outbreaks in livestock. Compendium of State Level Technical Symposium. Karnataka Veterinary Association.10-11th April. Bengaluru. 11 62-66.
8. K.C. Veeranna. 2011. "Economics and marketing of pigs". A chapter in hand book on "Vyjanika Handi Sakane".

Veterinary College, Hassan

- 1) Guruprasad, R. and Rajashailesha, N. M., 2012. Effect of environmental factors in pig rearing. Trainees Manual of Farmers training on 'Modern Pig Rearing Practices', conducted by LPM.
- 2) Manjunatha, L., 2011. Hattiya vinyasa heegiddare chenna-(Part 1). Niranthara monthly magazine. May 2011 issue.
- 3) Manjunatha, L., 2011. Hattiya vinyasa heegiddare chenna-(Part 2). Niranthara monthly magazine. June 2011 issue.
- 4) Manjunatha, L., 2011. Protein Park Mavina prathyakshike madariyagaballadu. Krishi Munnade. July 2011 issue.
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Extension Education Center, Shivamogga

1. K. C. Veeranna, 2012. Booklet on Stall feeding of Sheep and Goat

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Extension Education Center, Hassan

1. Vasanth, M. S., Manjunatha, L., and Mallesh, 2012. Training manual on "Modern Dairy Practices"
- Vasanth, M. S., Manjunatha, L., and Mallesh, 2012. Training manual on "Polyculture fish production"

Abstract of Extension Publication

Discipline	Books	Training Manuals/ Compendia	Popular articles	Leaflets / folders / Brochures	Chapters in Training Manuals
Veterinary Science	4	22	37	10	16
Dairy Science	-	-	-	1	-
Fisheries Sciences	-	9	5	10	-
Total	4	31	42	21	16



VI. FINANCE AND BUDGET

Resource Generation and Financial Estimates

Budget 2011-12 (Plan & Non Plan) in Lakh Rupees.

RECEIPTS				EXPENDITURE			
Sl. No	Particulars	Plan	Non- Plan	Sl. No.	Particulars	Plan	Non- Plan
A	GENERAL FUNDS			A I	GENERAL FUNDS		
I	Statutory Grants-State Govt.			a)	General Administration	994.63	0.00
a)	Non-Plan Grants	0.00	2325.00	b)	Teaching	4866.21	2819.88
b)	Development Grants	4960.25	0.00	c)	Research	669.41	280.12
c)	Grants for Adhoc Schemes			d)	UGC Arrears		
	TOTAL (I)	4960.25	2325.00		TOTAL I (a+b+ c)	6530.25	3100.00
II	GRANTS FROM OTHER AGENCIES	0.00	0.00	II	Schemes Sponsored by other Agencies	0.00	0.00
III	Government of India	0.00	0.00	III	Government of India Schemes	0.00	0.00
IV	ICAR	0.00	0.00	IV	ICAR	0.00	0.00
a)	Development	0.00	0.00	a)	Development	0.00	0.00
b)	Co-ordinated Projects	0.00	0.00	b)	NAIP Projects	0.00	0.00
c)	MCM / RAWE / Fellowship / Internship Allowance	0.00	0.00	c)	ICAR Co-ordinated Projects (75%)	0.00	0.00
d)	NAIP Projects	0.00	0.00	d)	ICAR Co-ordinated Projects (100%)	0.00	0.00
e)	UGC Arrears	0.00	0.00	e)	UGC Arrears	0.00	0.00
	TOTAL IV (a to d)	0.00	0.00		TOTAL IV (a to d)	0.00	0.00
V	INTERNAL RESOURCES			V	State Adhoc Projects	230.00	0.00
a)	Income from Fees	0.00	149.10		TOTAL A:	6760.25	3100.00
b)	Income from University Property	0.00	129.90	B	FOUNDATION FUND	0.00	0.00
c)	Other Misc. Income	12.00	246.00	C	DEBT & SUSPENCE A/C.	0.00	3570.00



	TOTAL (V)	12.00	525.00		TOTAL (A+B+C)	6760.25	6670.00
	TOTAL (A)	4972.25	2850.00				
B	FOUNDATION FUNDS						
C	DEPT & SUSPENCE A/C.	0.00	4576.68				
	TOTAL (A+B+C)	4972.25	7426.68				
	Add : Opening Balance	1538.00	-		Add : Closing Balance	-250.00	-250.00
	GRAND TOTAL	6510.25	6420.00		GRAND TOTAL	6510.25	6420.00



VII. GENERAL ADMINISTRATION

1) Appointments

Officers' recruitment

<i>Sl No.</i>	<i>Name</i>	<i>Appointed as</i>	<i>Order No.</i>
1	Dr. H.R. V.Reddy	Director of Research	No.R/Recrt/Officer-II/D-VCB-SMU/11-12/485 Dt. 4-5-2011
2	Dr. Y. Haribabu	Director of Instruction (PGS)	No.R/Recrt/Officer-II/YH-DI(PGS)/11-12/488 Dt. 4-5-2011
3	Dr. K.N. Prabhudeva	Director of Extension	No.R/Recrt/Officer-II/DE-KNP/11-12/489 Dt. 4-5-2011
4	Dr. S.M. Usturge	Dean (Vety), Bidar	No.R/Recrt/Officer-II/D-VCB-SMU/11-12/485 Dt. 4-5-2011
5	Dr. S. Yathiraj	Dean (Vety), Bengaluru	No.R/Recrt/Officer-II/D-VCH-SY/11-12/490 Dt. 4-5-2011
6	Dr. M. Devaraj	Dean (Vety), Shivamogga	No.R/Recrt/Officer-II/D-VCS-MD/11-12/486 Dt. 4-5-2011
7	Dr. M.S. Vasantha	Dean (Vety), Hassan	No.R/Recrt/Officer-II/D-HVC-MSV/11-12/487 Dt. 4-5-2011
7	Dr. B.V. Venkateshaiah	Dean (DSc), Bengaluru	No.R/Recrt/Officer-II/D-DSC-BVV/11-12/491 Dt. 4-5-2011
8	Dr. K.M. Shankar	Dean (Fish), Mangalore	No.R/Recrt/Officer-II/D-FCM-KMS/11-12/492 Dt. 4-5-2011

Direct Recruitment of Teaching Posts under backlog recruitment drive

<i>Sl No.</i>	<i>Name</i>	<i>Appointed as</i>	<i>Order No.</i>
1	Dr. T. Tirumalesh	Professor (Animal Nutrition)	No.R/KVAFSU(B)/Rectt.BLR-Prof-T/11-12 Dt. 5-5-2011
2	Dr. H. Arunkumar	Professor (Dairy Technology)	No.R/KVAFSU(B)/Rectt.BLR-Prof-HA-T/11-12 Dt. 5-5-2011
3	Dr. H.K. Siddalingamurthy	Assoc. Prof (AGB)	No.R/KVAFSU(B)/Rectt.BLR-Prof-SM-T/11-12 Dt. 5-5-2011
4	Dr. M. Shivakumar	Assoc. Prof (Vety. Medicine)	No.R/KVAFSU (B)/Rectt.BLR-T-MS/11-12 Dt. 5-5-2011
5	Dr. M.G. Manjunath	Assoc. Prof (Vety. Physiology)	No.R/KVAFSU(B)/Rectt.BLR-T-MGM/11-12 Dt. 5-5-2011



6	Dr. Suresh.L	Assoc. Prof (Vety.Surgery)	No.R/KVAFSU(B)/Rectt.BLR-T-SL/11-12 Dt. 5-5-2011
7	Dr. Jayaramu GM	Assoc. Prof (Vety.Pathology)	No.R/KVAFSU(B)/Rectt.BLR-T-JGM/11-12 Dt. 5-5-2011
8	Dr.Manjanaik. B	Assoc. Prof (Canning)	No.R/KVAFSU(B)/Rectt.BLR-T-MN/11-12 Dt. 5-5-2011
9	Dr. Mansingh Nayak	Assoc. Prof (Fish Nutrition)	No.R/KVAFSU(B)/Rectt.BLR-MN/11-12 Dt. 5-5-2011
10	Dr. Shankarappa Bhajantri	Asst. Prof (AGB)	No.R/KVAFSU(B)/Rectt-BLR-Asst.Prof-T/11-12 Dt. 5-5-2011
11	Dr. Giridhar.K.S.	Asst. Prof (Anim.Nutrition)	No.R/KVAFSU(B)/Rectt-BLR-Asst.Prof-T/11-12 Dt. 5-5-2011
12	Dr. Nagaraj.L	Asst. Prof (Vety.Medi)	No.R/KVAFSU(B)/Rectt-BLR-Asst.Prof-T/11-12 Dt. 5-5-2011
13	Dr. Lokesh.L.V.	Asst. Prof (Vety.Pharma)	No.R/KVAFSU(B)/Rectt-BLR-Asst.Prof-T/11-12 Dt. 5-5-2011
14	Dr. Veena M.P.	Asst. Prof (Vety.Physiology)	No.R/KVAFSU(B)/Rectt-BLR-Asst.Prof-T/11-12 Dt. 5-5-2011
15	Mr. Praveen.A.R.	Asst. Prof (Dairy science)	No.R/KVAFSU(B)/Rectt-BLR-Asst.Prof-T/11-12 Dt. 5-5-2011
16	Mr. Devaraju.R	Asst. Prof (Dairy Science)	No.R/KVAFSU(B)/Rectt-BLR-Asst.Prof-T/11-12 Dt. 5-5-2011
17	Mr. Jayanaik	Asst. Prof (Fish.Engg)	No.R/KVAFSU(B)/Rectt-BLR-Asst.Prof-T/11-12 Dt. 5-5-2011

Backlog Recruitment for the post of Assistant Professor

Order No. r/rectt.blr-asst.prof-5-4/11-12/3361 dt. 10-11

Sl. No.	Name	Discipline & Place of Posting
1	Dr. Shivakumar R	Veterinary Microbiology LRIC, Konehally, Tiptur
2	Dr. Rashmi.L	Veterinary Microbiology Veterinary College, Hassan
3	Dr. Venkatesh Bapu Natkear	Avian Production & Management Veterinary College, Shivamogga
4	Dr. Prashantkumar Wage	Veterinary Pharmacology & Toxicology Veterinary College, Shivamogga



3) promotions given

Promotions to teachers under cas 96

Sl No.	Name	Present Post	Promoted as	Order No.
1	Dr.R.Nagaraja	Asst.Prof	Asst.Prof(SS)	No.R/45BOM/RN/T-Prom/CAS96/11-12/507 Dt. 5-5-2011
2	Dr.E.Narayananappa	Assoc.Prof	Professor	No.R/45BOM/EN/T-Prom/CAS96/11-12/514 Dt. 5-5-2011
3	Dr.K.Venkat Reddy	Assoc.Prof	Professor	No.R/45BOM/KV/T-Prom/CAS96/11-12/513 Dt. 5-5-2011
4	Dr.H.N.Anjanayappa	Asst.Prof (SG)	Assoc.Prof	No.R/45BOM/HNA/T-Prom/CAS96/11-12/512 Dt. 5-5-2011
5	Dr.T.M.Prabhu	Asst.Prof (SS)	Assoc.Prof	No.R/45BOM/TM/T-Prom/CAS96/11-12/511 Dt. 5-5-2011
6	Dr.R.Nagaraja	Asst.Prof	Assoc.Prof	No.R/45BOM/RN/T-Prom/CAS96/11-12/507 Dt. 5-5-2011
7	Dr.H.N.Anjanayappa	Asst.Prof (SS)	Asst.Prof (SG)	No.R/45BOM/HNA/T-Prom/CAS96/11-12/509 Dt. 5-5-2011
8	Mr.S.R.Somshekhar	Asst.Prof (SS)	Asst.Prof (SG)	No.R/45BOM/SRS/T-Prom/CAS96/11-12/508 Dt. 5-5-2011

List of service personnel promoted

Sl. No.	Name of the Employee	Existing Post	Promoted as
01	C S Navalagund, VCH, Bengaluru	Assistant Registrar	Deputy Registrar
02	V C Kitageri KVAFSU, Bidar	Assistant Comptroller	Deputy Comptroller
03	Smt. S F Maggie Rosaline VCH, Bengaluru	Personal Secretary	Senior Personal Secretary
04	Smt. S A Jagadalc DSc. Hebbal	Personal Secretary	Senior Personal Secretary



05	Smt M Mohana VCH, Bengaluru	Superintendent (Admn)	Assistant Registrar
06	M Muralidhar VCH, Bengaluru	Superintendent (Admn)	Assistant Registrar
07	A Mohana FC Mangalore	Superintendent (Admn)	Assistant Registrar
08	T J Shashidhara VCH, Bengaluru	Superintendent (Admn)	Assistant Administrative Officer
09	Mallikarjun Ligade KVAFSU, Bidar	Superintendent (Acct)	Assistant Comptroller
10	V S Uppin VCS	Superintendent (Acct)	Assistant Comptroller
11	K L Suresh DSc. Hebbal	Superintendent (Acct)	Assistant Comptroller
12	B S Hiremath VCB	Superintendent (Acct)	Assistant Comptroller
13	M Damodhar KVAFSU, Bidar	Assistant Engineer (C)	Assistant Executive Engineer (C)
14	V S Navalagund KVAFSU, Bidar	Senior Assistant	Superintendent (Admn)
15	Jaya Sapalya FC Mangalore	Senior Assistant	Superintendent (Admn)
16	B T Phule KVAFSU, Bidar	Senior Assistant (Accts)	Superintendent (Accts)
17	K K Suryavanshi VC Bidar	Assistant	Senior Assistant
18	G Kiran KVAFSU, Bidar	Assistant	Senior Assistant
19	Tukaram C VC Bidar	Stenographer	Personal Secretary
20	Nagabhushan V HVC	Stenographer	Personal Secretary
21	S Nagendra KVAFSU, Bidar	Stenographer	Personal Secretary
22	S Veeranna VCH, Bengaluru	Senior Laboratory Assistant	Senior Laboratory Assistant Grade-I
23	Govindachar VCH, Bengaluru	Senior Laboratory Assistant	Senior Laboratory Assistant Grade-I
24	Eqbal VC Bidar	Senior Laboratory Assistant	Senior Laboratory Assistant Grade-I
25	D R Ramachandra Reddy VCH, Bengaluru	Senior Laboratory Assistant	Senior Laboratory Assistant Grade-I
26	S Siddegowda VCH, Bengaluru	Senior Laboratory Assistant	Senior Laboratory Assistant Grade-I



27	Ganganna H Hendi FRIC, Ankola	Laboratory Assistant	Senior Laboratory Assistant
28	B Siddarajaiah VCH, Bengaluru	Laboratory Assistant	Senior Laboratory Assistant
29	M G Bairegowda VCH, Bengaluru	Laboratory Assistant	Senior Laboratory Assistant
30	Siddalingaiah VCH, Bengaluru	Laboratory Assistant	Senior Laboratory Assistant
31	Nagaraj DSc. Bengaluru	Laboratory Assistant	Senior Laboratory Assistant
32	Babagowda S Biradar VC Bidar	Laboratory Assistant	Senior Laboratory Assistant
33	K Ravishankar HVC	Laboratory Assistant	Senior Laboratory Assistant
34	Vijay Devaraj Urs DSc. Bengaluru	Laboratory Assistant	Senior Laboratory Assistant
35	N Shridhar Bhandary FC Mangalore	Laboratory Assistant	Senior Laboratory Assistant
36	Puttarangappa VCH, Bengaluru	Laboratory Assistant	Senior Laboratory Assistant
37	M K Hemanth DSc. Bengaluru	Laboratory Assistant	Senior Laboratory Assistant
38	L S Koli VC Bidar	Laboratory Assistant	Senior Laboratory Assistant
39	Shekshawali VC Bidar	Laboratory Assistant	Senior Laboratory Assistant
40	V Vasanthraju DSc. Bengaluru	Laboratory Assistant	Senior Laboratory Assistant
41	V K Badigera LRIC, Mudhol	Senior Field Assistant	Senior Field Assistant Grade-1
42	S B Puttaswamy VCH, Bengaluru	Field Assistant	Senior Field Assistant
43	M S Naik FRIC, Ankola	Field Assistant	Senior Field Assistant
44	M B Rajgopala VCH, Bengaluru	Field Assistant	Senior Field Assistant
45	V Srinivas Hesaraghatta	Field Assistant	Senior Field Assistant
46	Maruti Z VC Bidar	Field Assistant	Senior Field Assistant
47	A T Sherikar VC Bidar	Typist	Senior Typist
48	Smt. Mary D'Souza, FC, Mangalore	Field Assistant	Senior Field Assistant



49	S M Qhadri VC Bidar	Senior Self Assistant	Senior Self Assistant Grade-I
50	Devendra N VC Bidar	Care Taker	Senior Care Taker
51	Smt C R Rangalakshmamma VCH, Bengaluru	Telephone Operator	Senior Telephone Operator
52	G N Bhaskar Bhandary FC Mangalore	Telephone Operator	Senior Telephone Operator
53	Vittal B Gorgi VC Bidar	Senior Garder	Senior Garder Grade-1
54	J Rama FC Mangalore	Senior Garder	Senior Garder Grade-1
55	S N Nelahal VC Bidar	Senior Watchman	Senior Watchman Grade -I
56	Ramakrishna VCH, Bengaluru	Senior Watchman	Senior Watchman Grade -I
57	Linganna Hesaraghatta	Senior Watchman	Senior Watchman Grade -I
58	Sadananda Y Bhoi FRIC Ankola	Senior Watchman	Senior Watchman Grade -I
59	V N Naik FRIC Ankola	Senior Messenger	Senior Messenger Grade-I
60	V Manjunath VCH, Bengaluru	Messenger	Attender
61	Sannahusainsab Mahiboobsab VC Bidar	Messenger	Attender
62	K Krishnegowda FRIC, Nagamangal	Messenger	Attender
63	Dinesh Devadiga FC Mangalore	Messenger	Attender
64	Narayanaswamy E DSc. Hebbal Bengaluru	Messenger	Attender
65	Shashidhar L VCH, Bengaluru	Messenger	Attender
66	Smt R Nandini VCH, Bengaluru	Messenger	Attender
67	Kumarswamy VCH, Bengaluru	Messenger	Attender
68	Premanath FC Mangalore	Messenger	Attender
69	Durgappa Hunnur VC Bidar	Senior Farm Labour	Senior Farm Labour Grade-I
70	Smt. Nanjamma VCH, Bengaluru	Farm labour	Senior Farm Labour
71	Hanamanthappa A VCH, Bengaluru	Farm labour	Senior Farm Labour



72	Smt Gangamma Manikappa VCH, Bengaluru	Farm labour	Senior Farm Labour
73	Smt Narayananamma VCH, Bengaluru	Farm labour	Senior Farm Labour
74	Sadappa VCH, Bengaluru	Farm labour	Senior Farm Labour
75	K Krishnappa VCH, Bengaluru	Farm labour	Senior Farm Labour
76	M Venkatesh VCH, Bengaluru	Farm labour	Senior Farm Labour
77	Smt. Lakshmamma VCH, Bengaluru	Farm labour	Senior Farm Labour
78	D Bhailappa VC Bidar	Farm labour	Senior Farm Labour
79	M Chandrana VCH Bengaluru	Farm labour	Senior Farm Labour
80	Narayana VCH, Bengaluru	Farm labour	Senior Farm Labour
81	G.Mudduramaiah VCH, Bengaluru	Farm labour	Senior Farm Labour
82	Smt D Jayamma VCH, Bengaluru	Farm labour	Senior Farm Labour
83	Sannamari FRIC Nagamangal	Farm labour	Senior Farm Labour
84	B.Nanjappa VCH, Bengaluru	Farm labour	Senior Farm Labour
85	T C Manjunath FC Mangalore	Farm labour	Senior Farm Labour
86	Boregowda FRIC Nagamangalaq	Farm labour	Senior Farm Labour
87	Smt Akkayamma VCH, Bengaluru	Farm labour	Senior Farm Labour
88	Siddarama VCH, Bengaluru	Farm labour	Senior Farm Labour
89	Chinnappa VCH, Bengaluru	Farm labour	Senior Farm Labour
90	Manjanna FRIC Nagamangala	Farm labour	Senior Farm Labour
91	Smt Shantamma B VC Bidar	Farm labour	Senior Farm Labour
92	Smt Sharanamma VC Bidar	Farm labour	Senior Farm Labour
93	Smt Bishmillabi S VC Bidar	Farm labour	Senior Farm Labour
94	Smt Gowramma Mallappar VC Bidar	Farm labour	Senior Farm Labour
95	Smt Jayamma VCH Bengaluru	Farm labour	Senior Farm Labour



96	Vanajakshi FRIC Nagamangal	Farm labour	Senior Farm Labour
97	V Krishnappa VCH, Bengaluru	Senior Animal Attender	Senior Animal Attender Grade-I
98	Smt Nagamma VCH, Bengaluru	Senior Animal Attender	Senior Animal Attender Grade-I
99	Smt Rangamma VCH, Bengaluru	Senior Animal Attender	Senior Animal Attender Grade-I
100	Veerabhadraiah VCH, Bengaluru	Senior Animal Attender	Senior Animal Attender Grade-I
101	S Munianjanappa VCH, Bengaluru	Senior Animal Attender	Senior Animal Attender Grade-I
102	Smt Kamalamma VCH, Bengaluru	Senior Animal Attender	Senior Animal Attender Grade-I
103	Narasimhamurthy VCH, Bengaluru	Senior Animal Attender	Senior Animal Attender Grade-I
104	Smt G Gangamma VCH, Bengaluru	Senior Animal Attender	Senior Animal Attender Grade-I
105	Narasimhaiah VCH, Bengaluru	Senior Animal Attender	Senior Animal Attender Grade-I
106	Smt J. Gangamma VCH, Bengaluru	Senior Animal Attender	Senior Animal Attender Grade-I
107	Smt Lakshammaiah VCH, Bengaluru	Senior Animal Attender	Senior Animal Attender Grade-I
108	J Venkatappa DSC, Bengaluru	Senior Animal Attender	Senior Animal Attender Grade-I
109	Venkataramana DSc, Bengaluru	Senior Animal Attender	Senior Animal Attender Grade-I
110	Smt Girijamma VCH, Bengaluru	Senior Animal Attender	Senior Animal Attender Grade-I
111	S Muniyappa VCH, Bengaluru	Senior Animal Attender	Senior Animal Attender Grade-I
112	Venkateshaiah DSc, Bengaluru	Senior Animal Attender	Senior Animal Attender Grade-I
113	Mallaiah VCH, Bengaluru	Senior Animal Attender	Senior Animal Attender Grade-I
114	K Chikkahanumanthaiah DSc, Bengaluru	Senior Animal Attender	Senior Animal Attender Grade-I
115	V Shamanna DSc, Bengaluru	Senior Animal Attender	Senior Animal Attender Grade-I
116	B Sidrama DSc, Bengaluru	Senior Animal Attender	Senior Animal Attender Grade-I
117	Anjanappa VCH	Senior Animal Attender	Senior Animal Attender Grade-I
118	B Annemma DSc.H	Senior Animal Attender	Senior Animal Attender Grade-I



119	M H Pujar VCS	Senior Animal Attender	Senior Animal Attender Grade-I
120	Smt Mangalamma DSc.H	Animal Attender	Senior Animal Attender
121	Ashok Manayya VCB	Animal Attender	Senior Animal Attender
122	Smt Murthujabi VCB	Animal Attender	Senior Animal Attender
123	Peersab VCB	Animal Attender	Senior Animal Attender
124	Govindaiah Konehalli	Animal Attender	Senior Animal Attender
125	M Krishnappa DSc.H	Animal Attender	Senior Animal Attender
126	Smt Mahalakshmi VCH	Animal Attender	Senior Animal Attender
127	Manjunath VCHB	Senior Janitor	Senior Janitor Grade-I
128	Chamaraju VCHB	Senior Janitor	Senior Janitor Grade-I
129	P R Shankar DScBengaluru	Senior Janitor	Senior Janitor Grade-I
130	K M Narayana DSc.H Bengaluru	Senior Janitor	Senior Janitor Grade-I
131	Rajendra FC Mangalore	Senior Janitor	Senior Janitor Grade-I
132	Smt Najamma S VCH Bengaluru	Senior Janitor	Senior Janitor Grade-I
133	Smt Basamma S Chimmanur VC Bidar	Senior Janitor	Senior Janitor Grade-I
134	M B Somalingaiah VCH Bengaluru	Senior Janitor	Senior Janitor Grade-I
135	Aithappa FC Mangalore	Senior Janitor	Senior Janitor Grade-I
136	B Timmappa FC Mangalore	Senior Janitor	Senior Janitor Grade-I
137	Smt Muniratnamma DSc. Hebbal	Janitor	Senior Janitor
138	Smt Lakshmi Kumbar VC Bidar	Janitor	Senior Janitor
139	T P Venkatalaxmi VCH	Attender	Lab Assistant
140	Sudheer Kumar FC Mangalore	Attender	Lab Assistant
141	Smt Chayadevi DSc. Hebbal	Attender	Lab Assistant



VIII. INFRASTRUCTURE DEVELOPMENT ACTIVITIES

Details of progress of works taken up at KVAFSU during the financial year 2011-12

#	Name of Work	Tender Amount in Rs. in Lakhs	Remarks
KVAFSU, Bidar Campus			
1.	Construction of Examination halls in First Floor over existing Veterinary College building, Bidar.	25.00	Shell work is completed, doors and window frames, grills are fixed, internal plastering is completed, external plastering work and mesh work is in progress.
2.	Renovation of class room No. 5 at Veterinary College, Nandinagar, Bidar.	03.00	Work is at the verge of completion.
3.	Construction of poultry layer shed at Veterinary College, Bidar.	5.50	Work is at the verge of completion.
4.	Formation of farm road at Veterinary College, Bidar.	5.50	Work is completed
5.	Formation of farm roads at Veterinary College Bidar Campus	10.00	Work is completed
6.	Construction of over head water tank at Veterinary College, Bidar Campus	14.00	Work is completed except painting and water inlet and outlet pipe connections.
7.	Construction of inpatient ward at Veterinary College, Bidar Campus	10.00	Works is at the verge of completion.
8.	Construction of Dummy Cow shed at Veterinary College, Bidar Campus	12.00	Work is completed
9.	Renovation of Kitchen and Dining hall at Veterinary College, Bidar	4.70	Work is under progress
VHDDIC, APMC yard, Bidar			
1.	Construction of Critical Care Unit (Small Animal) at VHDDIC, APMC yard, Bidar.	9.85	Work is under progress. The building has come up to lintel level.
2.	Construction of Critical Care Unit Inpatient wards at VHDDIC, APMC yard, Bidar.	8.50	Work is under progress. The building has come up to plinth level



3	Construction of Critical Care Unit Physician rest room at VHDDIC, APMC yard, Bidar.	9.85	Work is under progress. The building has come up to plinth level
4	Creation of Critical Care Unit (Large Animal) by renovating existing structure at VHDDIC, APMC yard, Bidar.	6.80	Work is under progress
5	Supplying and commissioning 25 KVA capacity Generator to Critical Care Unit VHDDIC, APMC Yard, Bidar.	3.50	Work is under progress
LRIC (Deoni), Hallikhed, Bidar			
1.	Construction of cow shed at LRIC(Deoni), Hallikhed, Bidar	25.00	Work is at the verge of completion.
2.	Construction of Buffalo and Calf shed at LRIC(Deoni), Hallikhed, Bidar	17.50	Work is at the verge of completion.
3.	Construction of Bull shed at LRIC(Deoni), Hallikhed(B), Bidar	05.00	Work is at the verge of completion.
4.	Construction of calf shed at LRIC Deoni Hallikhed Bidar.	24.76	Work is under progress
5.	Construction of water storage tank at LRIC Deoni Hallikhed Bidar.	2.00	Work is under progress
6.	Creation of irrigation facility at LRIC Deoni Hallikhed Bidar.	2.50	Work is under progress
7.	Providing barbed wire fencing along the boundary at LRIC Deoni Hallikhed Bidar.	5.00	Work is under progress
Dairy Science College, Gulbarga			
1.	Construction of Compound wall to 88.17 Acres of land at Dairy Science College, Mahagaon Cross, Gulbarga.	100.00	Construction of compound wall is nearing completion, plastering work is going on. Construction of wall is pending only for the land where Chandranagar is located.
2.	Construction of Main College building at Dairy Science College, Mahagaon Cross, Gulbarga	450.00	The building has come up to roof level. Roof slab casting is to be taken
3.	Drawing HT power supply line to Dairy Science College, Mahagaon Cross, Gulbarga.	6.00	Work is under progress
4.	Construction of Boys Hostel (1 st Floor) at Dairy Science College, Mahagaon Cross, Gulbarga. (Second Call)	125.00	Work is yet to be commenced
5.	Construction of Girls hostel at Dairy Science College, Mahagaon Cross, Gulbarga.	177.00	Work is yet to be commenced



FRIC, Bhutnal, Bijapur.

1.	Construction of laboratory for Water Quality and Fish Health Investigation building at FRIC, Bhutnal, Bijapur.	62.00	The building has come up to plinth level.
2.	Providing repairs to existing pond at FRIC, Bhutnal, Bijapur	08.50	Work is completed.
3.	Renovation of existing staff quarters at FRIC, Bhutnal, Bijapur.	5.00	Work is completed.
4.	Construction of compound wall for the residential area at FRIC, Bhutnal, Bijapur.	6.50	Work is completed.

CRIC, Mudhol

1.	Construction of Main Office Building at Canine Research Information Centre, Timmapur, Mudhol.	28.50	Only excavation work is completed. Construction materials like sand and steel are collected at site.
2.	Construction of Whelping and Puppy Unit at CRIC, Timmapur, Mudhol	28.00	Only excavation work is completed. Construction materials like sand and steel are collected at site.
3.	Construction of cross drainage with Hume pipes at Canine Research Information Centre, Timmapur, Mudhol.	3.50	Work is at the verge of completion
4.	Construction of Hume pipe culvert at the entrance of Canine Research Information Centre, Timmapur, Mudhol.	1.50	Work is at the verge of completion

LRIC (B), Dornalli, Shahapur

1.	Providing barbed wire fencing to the land allotted to BRIC, Domalli, Shahapur	4.80	Work is completed
2.	Construction of Buffalo shed at BRIC, Domalli	30.00	Work order is issued to the contractor. The work is kept pending due to survey of land and fixing KVAFSU boundary pending.

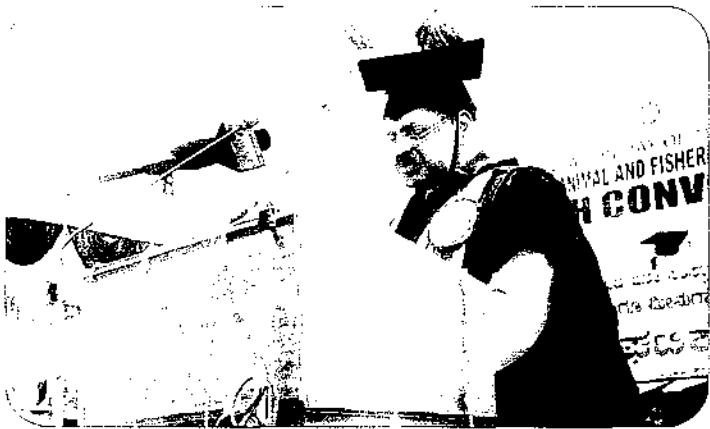
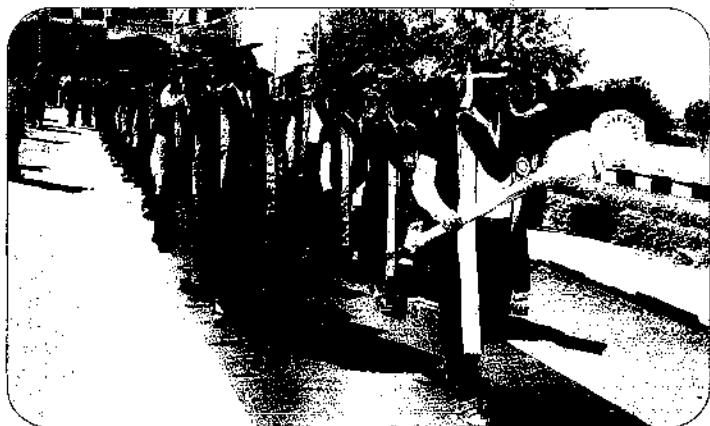
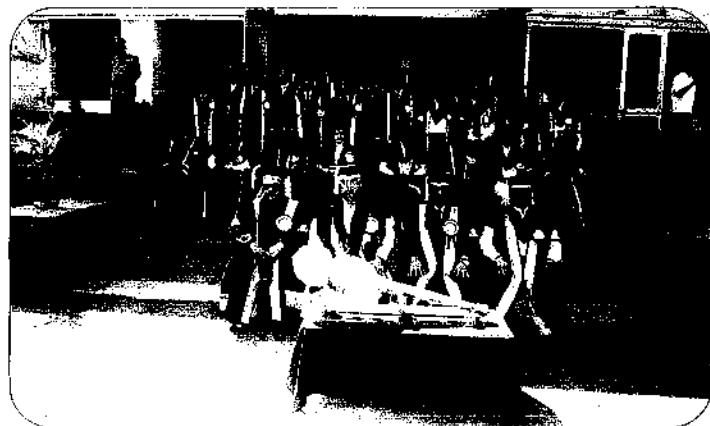
Sri. Bahurao Deshpande Veterinary College, Athani

1.	Construction of Compound wall at Sri. Bahurao Deshpande Veterinary College, Athani	207.00	Work order is issued to the successful contractor and the work has resumed on 28.03.2012.
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College of Fisheries, Mangalore Campus			
1. Construction of Girls Hostel (GF) at College of Fisheries Mangalore	95.00	Excavation for foundation and column footings completed. Casting of RCC columns under progress.	
2. Construction of UG Hostel building at College of Fisheries, Mangalore	90.00	Building has come up to plinth level casting RCC columns under progress.	
LRIC (Sheep), Nagamangala			
1. Providing and fixing chain link mesh for sheep yard work at LRIC (Sheep), Nagamangala	9.20	Work is completed	
LRIC(A), Konehalli			
1. Repair and renovation of A/B type quarters (4 Nos.) at LRIC, Konehalli.	10.00	Work is completed	
2. Digging of trench on the periphery of farm land and providing live fencing at LRIC(A), Konehalli.	78.00	The trench work is under progress.	
3. Providing solar fencing to part of the farm at LRIC(A), Konehalli	5.00	Work is nearing completion	
Veterinary College/Dairy Science College, Hebbal Campus, Bengaluru			
1. Renovation and modernization of Kitchen mess and dining hall at Veterinary College Boys Hostel, Hebbal, Bengaluru	16.50	The work is at the verge of completion.	
2. Renovation and modernization of Toilets and Bathrooms at Veterinary College Boys Hostel, Hebbal, Bengaluru	21.50	The work is at the verge of completion.	
3. Providing painting to Veterinary College Boys Hostel, Hebbal, Bengaluru.	23.00	The work is at the verge of completion.	
4. Providing repairs to electrical wiring in Boys Hostel Veterinary College, Hebbal, Bengaluru.	2.50	The work is at the verge of completion.	
5. Renovation and modernization of Kitchen and Mess/Dining hall in one block of Ladies Hostel at Veterinary College, Hebbal, Bengaluru	7.50	The work is at the verge of completion.	
Veterinary College, Shivamogga			
1. Providing and installing automatic main panel box bus bars change over switches and fixing of 3.5 core 70 sqmm existing generator at Veterinary College, Shivamogga	5.00	The work has been completed. Pending final settlement.	

Glimpse of 5th Convocation, 17-01-2012, of KVAFSU, Bidar





Award winning progressive farmers along with University Officials during 'JMKT Mela -2011'



Dr. V.C. Kanmadi, OSD, College of Horticulture, Bidar & his team receiving token of appreciation during 'JMKT Mela -2011'



Dr. R.C. Deshmukh, PC, KVK, Bidar & his team receiving token of appreciation during 'JMKT Mela -2011'

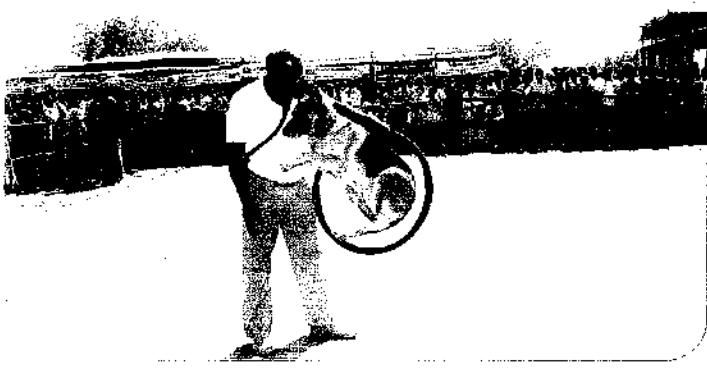


Dr. K.N. Prabhudeva, DE, KVAFSU, Bidar awarding progressive farmer during 'JMKT Mela -2011'

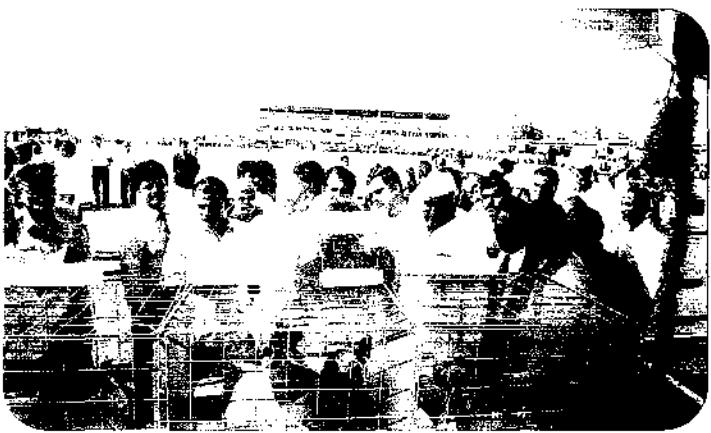
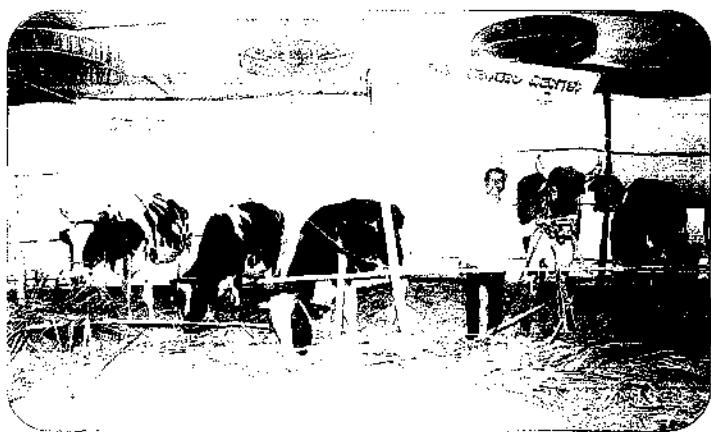
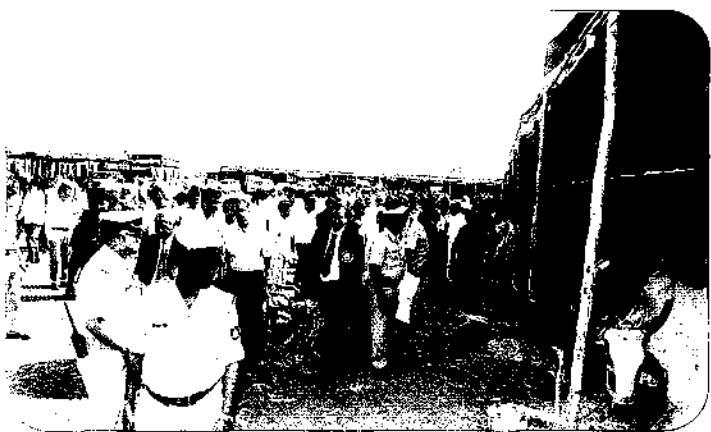
Progressive farmers sharing their experience with others to Farmers" programme during 'JMKI' Mela-2011

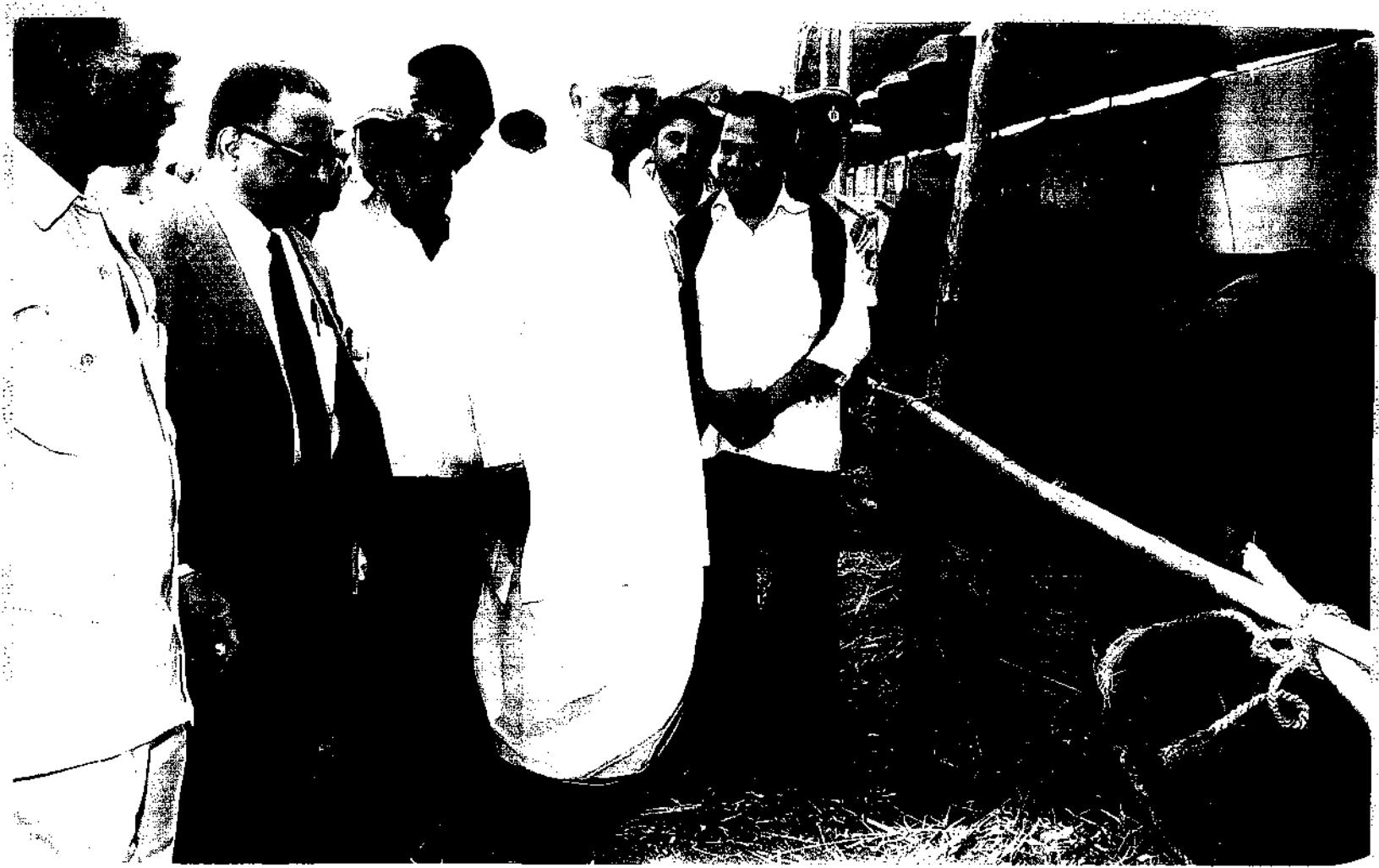


Glimpse of Dog Show during 'JMKI' Mela-2011



View of exhibition stalls during JAKT Mela-2009





Dignitaries interacting with exhibitors during 'NIKT Mela-2011'



PHOTO GALLERY



Hon'ble Minister for Animal Husbandry Sri. Revu Naik Belamagiji performing 'Go-Pooja' during 'JMKT Mela-2011'



Dr. S.A. Patil, Hon'ble Chairman, Karnataka Krishi Mission addressing the public during JMKT Mela-2011



Dr. B.V. Patil, Hon'ble Vice-Chancellor, University of Agricultural Sciences, Raichur addressing the public during 'JMKT Mela-2011'



*National Training Programme of CAFT
at Veterinary College, Hebbal*



*Blood donation by NSS Volunteers of
Veterinary College, Hebbal*



*National Workshop on Animal Welfare
at Veterinary College, Hassan*



*Winning celebration by Table Tennis Team
at TANUVAS, Chennai*



*Felicitation by Hon'ble Vice-Chancellor to winners
during Foundation Day at Veterinary College, Hassan*



*Animal Health Camp by
Veterinary College, Shivamogga*



*Prize distribution to Best Livestock farmer
by Dean Veterinary College, Shivamogga*



*NSS Volunteers at Shramadana
Veterinary College, Shivamogga*

ANIMAL HUSBANDRY POLYTECHNIC, KONDAHALLI

(The first Animal Husbandry Polytechnic of KVAFSU Bidar Estd. during 2011)

