

# KARNATAKA VETERINARY, ANIMAL & FISHERIES SCIENCES UNIVERSITY

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#### **JULY - DECEMBER 2009**













#### 'Regional Agriculture Fair for Southern Zone' at Bidar Campus

A mega "Regional Agriculture Fair for Southern Zone" ("Agri, Animal & Fish Fair") was organised during December 18-21, 2009 at Bidar Campus for the first time for the benefit of farming community. The Fair was co-sponsored by the Directorate of Extension, DAC, Ministry of Agriculture, New Delhi; National Fisheries Development Board, Hyderabad; State Departments of Agriculture, Animal Husbandry, Fisheries, KMF and other organizations. 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. Shri. Bandeppa Khashampur, Member of Legislative Assembly (MLA) presided over the Inaugural Ceremony. Prof. Suresh, S. Honnappagol, Hon'ble Vice-Chancellor; all the Hon'ble Members of Board of Management, KVAFSU, all the Officers, staff and students of the University and farmers attended. More than 15 publications brought out by the Directorate of Extension, KVAFSU, were released during the occasion including Books on Package of Practices in Animal Husbandry & Dairy Technology and Fisheries, a Souvenir, 10 folders on different topics in local language and a book in Hindi on Dairy Farming. Prof. H. Shivananda Murthy, Director of Extension & Chairman of the Organizing Committee welcomed the dignitaries, guests and farmers.

In this mela more than 300 stalls were setup and displayed research and extension activities by different Agricultural Universities, State Departments, Bidar Zilla Panchayath namely, Animal Husbandry, Fisheries, 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 and displayed the activities. More than 2.00 lakh farmers attended during these three days and benefited by this mela 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 breeds of livestock namely, cattle (Deoni, Hallikar, Amruthmahal, Ongole, Red Kandari, Gir etc.), buffaloes (Murra, Surti, Jefferbadi etc.), horses, camels, dogs, sheep, goat, rabbit and different poultry birds including some of the rare breeds, fodder crops and fishes namely, food fishes and ornamental fishes etc. Technical Consultancy Cell was established in the mela to give technical guidance on different aspects of Agriculture, livestock farming and dairy science & technology, aquaculture and fisheries during the mela for the benefit of farming community. Interesting dog skill shows were also arranged during all the three days for the benefit of children, farmers and public. To popularize fish eating habit among the population, fish stalls for sale of fish fry, fish kabab and other value added fish products were set up by the KFDC.

Smt. Shamim Banu, Principal Secretary, Department of Animal Husbandry & Fisheries, Government of Karnataka visited on 18<sup>th</sup> and went round the exhibition. Dr. S. A. Patil, President, Karnataka Krishi Mission & Former Vice-chancellor (UAS, Dharwad & IARI, New Delhi) participated in the mela and Chaired the 'Farmers-Scientists-Interaction Workshop' on 19-12-2009

Best livestock and fish farmers were selected from different districts of Karnataka and 'Best Farmer Awards' were conferred. Best livestock animals on breed wise were selected and prizes were given away. Overall 'Champion Animal' bagged 1st prize of Rs. 10,000/- and several other prizes were given away during the mela. Best stalls under three categories namely, University stalls, stalls of the Development Departments and stalls of private organizations were adjudged and prizes were given in the Valedictory Function.

The Valedictory Function was held on 20-12-2009 evening. Dr. Sadamathe, Advisor (Agriculture), Planning Commission, New Delhi was the Chief Guest. Prof. Suresh, S. Honnappagol, Hon'ble Vice-Chancellor, KVAFSU, presided over. Prof. H. Shivananda Murthy, Director of Extension & Chairman of Organizing Committee welcomed the dignitaries & all the guests and presented a brief report of three days mela activities. Dr. M.J. Chandregowda, Additional Commissioner (Extn.), DAC, Ministry of Agriculture, GOI, New Delhi; Dr.C. Vasudevappa, Senior Executive Director, NFDB, Hyderabad; Dr. Dandin, Special Officer, University of Horticultural Sciences (UHS), Bagalkot; Dr. Munivenkatappa, Joint Director, Watershed Development Department, Bangalore; Dr. C. K. Murthy, Executive

Director, NFDB, Hyderabad; University Officers of KVAFSU & UHS, Bagalkot, Officers of line departments and other organizations were present

The programme was well received by the farmers and public as per the feed back received and a good awareness was created about integrated farming involving agriculture, animal husbandry and fisheries; livestock farming activity as a source of livelihood security and fish and its utility. The Fair was very well covered in the media both in press and In electronic media.



#### Important Meetings

#### I) Meetings of the Board of Management

- 30<sup>th</sup> BOM Meeting (continued) held on 16<sup>th</sup> September, 2009 at Board Room, KVAFSU, Bidar.
- 31<sup>st</sup> BOM Meeting held on 27<sup>th</sup> October, 2009 at Conference Hall, Veterinary College, Hebbal, Bangalore.
- 32<sup>nd</sup> BOM Meeting held on 4<sup>th</sup> December, 2009 at Conference Hall, Veterinary College, Bangalore.

#### ii) Academic Council Meeting

 9<sup>th</sup> Academic Council Meeting held on 13<sup>th</sup> October, 2009 at Board Room, KVAFSU, Bidar.

#### iii) Planning and Works Committee Meeting

 8<sup>th</sup> Planning & Works Committee Meeting held on 12<sup>th</sup> November, 2009 at Board Room, KVAFSU, Bidar.

#### **Important Events**

#### National workshop on "Strategies for Extension Education"

A National Workshop on "Strategies for Extension Education in Animal Husbandry and Fisheries Sector for the next Decade" was organised by the Directorate of Extension. Karnataka Veterinary, Animal and Fisheries Sciences University (KVAFSU), Bidar Campus during September 4-5, 2009. The workshop was attended by more than 150 participants from all over the country working in the areas of Animal Husbandry and Fisheries from different Veterinary / Animal Science / Agriculture Universities, Deemed Universities and Development Departments. First key note address was delivered by Dr. Dilip Kumar, Director & Vice-Chancellor, CIFE (Deemed University), Mumbai, entitled "Extension strategies for sustainable development of fisheries and aquaculture in India". The second key note address was delivered by Dr. A. K. Srivastava, Director & Vice-Chancellor, NDRI (Deemed University), Karnal, Haryana, entitled "Changing scenario of Indian dairy: Role of extension and extension education". The third key note address was delivered by Dr. M. V. Gupta, World Food Prize Laureate & Assistant Director General (Retd.), World Fish Center, Malaysia, entitled "Contribution of aquaculture to food and livelihood security and challenges to meet global demand". He emphasized on 'rural aquaculture, Integrated aquaculture and aquaculture as a livelihood security for the rural resource poor people'.

Lead presentations were made by Dr. S. Prabhukumar, Zonal Project Director, ICAR, Bangalore; Dr. M. J. Chandregowda, Additional Commissioner, Ministry of Agriculture, New Delhi; Dr. G. Thulasi, Director of Extension, TANVASU, Chennai; Dr. H. Shivananda Murthy, Director of Extension, KVAFSU, Bidar; Dr. P. S. Lonkar, Director of Extension, MAFSU, Nagpur; Dr. S. T. Indulkar, Dean, College of Fishery Sciences, MAFSU, Nagpur; Dr. S.V.N. Rao, Professor & Head, Animal Husbandry Extension, Pondicherry Veterinary College; Dr. B. Mohan, Programme Coordinator, KVK. Namakkal, Tamil Nadu; Dr. K. C. Veeranna, Associate Professor & Head, Animal Husbandry Extension, Veterinary College. Bidar; Dr. O. R. Nataraju & Dr. K. C. Shashidhar, KVK, Hassan and others. A "Farmers-Scientists-Entrepreneurs Interaction Session" was also arranged on 5th September, 2009. About 80 farmers were attended the session along with scientists and entrepreneurs. The National Workshop was coordinated by Dr. H. Shivananda Murthy, Organizing Secretary & Director of Extension, KVAFSU, Bidar.

The Valedictory function of the National Workshop was held on 5<sup>th</sup> September, 2009. Dr. M. V. Gupta, World Food Prize Laureate & Assistant Director General (Retd.) was the Chief Guest. Prof. Suresh, S. Honnappagol, Vice-Chancellor, KVAFSU presided over the function. Dr. M. Devaraj, Registrar, KVAFSU was the Guest of Honour. Dr. H. Shivananda Murthy, Organizing Secretary & Director of Extension welcomed the guests & participants. Dr. M. V. Gupta and Prof. Suresh, S. Honnappagol spoke on the occasion, stressed the need of strengthening network of Extension Education in fisheries and animal husbandry in the country and appreciated the efforts of Dr. H. Shivananda Murthy, Director of Extension in organizing this important workshop.



#### **SEMINAR on "GLOBAL WARMING AND CLIMAT CHANGE"**

One day Seminar on "Global Warming and Climate Change" was organized by the Directorate of Extension, Karnataka Veterinary, Animal and Fisheries Sciences University (KVAFSU), Bidar in collaboration with Bapu Rural Development Society, Bidar, at University Campus, Bidar on November 11<sup>th</sup>, 2009. The seminar was attended by more than 100 participants comprising of officers of line Departments, teachers, NGOs and farmers.

Dr. (Mrs.) Shalini Rajanish I.A.S., Secretary, Hyderabad-Karnataka Development Board, Gulbarga, inaugurated the seminar. Deputy Commissioner (I/c), Bidar and CEO, Zilla Panchayath, Bidar were the Chief Guests. Prof. Suresh, S. Honnappagol, Vice-Chancellor presided over the Ceremony.

Prof. H. Shivananda Murthy, Director of Extension and Organizing Secretary welcomed the guests and participants and briefed about back ground and purpose of the seminar.







Lead presentations were made by Dr. R. G. Nayak, Professor, Department of Biotechnology, Gulbarga University; Shri. Shivasharanappa, G. Patil, PDA Engineering College, Gulbarga; Mrs. Vanashree Vipin Sing, I.F.S., Project Officer, Jalasamvardhana Sangha, Bidar and Prof. H. Shivananda Murthy, Director of Extension, KVAFSU. A film entitled "Global Warming & Climate Change-An inconvenient truth" produced by Mr. Algore was screened. Few important recommendations were drawn up at the end.

#### **Opening of Canara Bank at Nandinagar Campus**

The Canara Bank has established a full pledged branch with core banking facility at KVAFSU Nandinagar Campus, Bidar. The branch was formally launched with Pooja ceremony on July 31<sup>st</sup>, 2009. Prof. Suresh, S. Honnappagol, Vice-Chancellor; Prof. H. Shivananda Murthy, Director of Extension; Dr. S. M. Usturge, Director of Instruction (PGS), other officers, teachers, non-teaching staff, students of the Veterinary College; Assistant General Manager, Manager and other staff of the Canara Bank, Bidar participated in the inaugural ceremony.

#### **Starting of Distance Education by the University**

The University has constituted a committee for starting Distance Education Programmes. Dr. H. Shivananda Murthy, Director of Extension & Chairman of the committee, Dr. Y. Haribabu, Dean & Member and Dr. K. C. Veeranna, Associate Professor & Head of AHE & Member of the committee have recommended to start the Distance Education Programmes by offering certificate courses in various disciplines of Animal Husbandry, Dairy and Fisheries in

collaboration with IKC. Pune.

#### "Bhoomi Pooja"

"Bhoomi Pooja" was performed on 7" July, 2009 to start the construction of piggery shed under RKVY project in Bangalore center.



Under Rastriya Krishi Vikasa Yojana a sum of Rs. 500.00 crores was sanctioned to KVAFSU to take up pig development activities in different regional centers of KVAFSU such as Veterianry Colleges at Bangalore, Shimoga, Hassan and LRIC, Konehalli.

#### 4th Foundation Day of Veterinary College, Shimoga

Veterinary College, Shimoga celebrated its 4<sup>th</sup> Foundation Day on 11<sup>th</sup> September, 2009. Prof. Suresh, S. Honnappagol, Hon'ble Vice-Chancellor, KVAFSU inaugurated the function. and distributed prizes to the winners of the various cultural and sports competitions held. Dr. S. Mallikarjunappa, Dean, Veterinary College, Shimoga presided over. Dr. Nagabhushana welcomed the gathering. Dr. V. B. Shettar presented the saga of Veterinary College, Shimoga, while Dr. Manjunatha, L., presented the annual report. Dr. Patel Suresh Revanna proposed the vote of thanks.

#### **Training on General Administration**

A 3 day training programme on general administration and accounts was organised jointly by the Directorate of Extension and Comptroller office during September 7, 2009 at Bidar Campus. Prof. Suresh S. Honnappagol inaugurated the programme. Experts from Administrative Training Institute Mysore and Revenue Department delivered lectures. All officers of the University and drawing officers attended and benefitted by the training. Dr. H. Shivananda Murthy, D.E and Sri V.C. Kitageri Dy. Comptroller coordinated the programme.

#### **National Education Day Celebration**

In commemoration of Birth Anniversary of 'Moulana Abdul Khalam Azad', 'National Education Day' was celebrated on 11<sup>th</sup> November, 2009 at Veterinary College, Shimoga. An elocution competition on 'Veterinary Education in India' for Undergraduate students was conducted. Eight students participated in the competition and first three were given prizes. Dr. S. Mallikarjunappa, Dean, Veterinary College, Shimoga presided over.

#### Workshops / Seminars / Symposia organised

#### College of Fisheries, Mangalore

National Seminar on 'Indian Marine Fisheries Sustainability at Cross Roads' was organized during 22-23, December 2009. Shri. A G Pai Chief Operating Officer of MSEZ Ltd, Mangalore and Shri. K. Prabhakara Rao, Director, MCF Ltd, Mangalore were chief guests along with Sri K. Monappa Karkera Hon. Member of the Board of Management, KVAFSU, Bidar. The seminar was jointly organized by College of Fisheries, Mangalore and College of Fisheries Alumni Association. Dr. Y.Basavaraju, Dean (Fisheries) welcomed and Dr. H RV Reddy proposed vote of thanks.

Seventh National Meet of PFGF (Professional Fisheries Graduates Forum) and the award ceremony was held on 22nd December, 2009 at College of Fisheries, Mangalore. Dr. A S Ninawe. Hon'ble Vice-Chancellor, Maharastra Animal and Fisheries Sciences University, Nagpur was the Chief Guest and Prof. Suresh S. Honnappagol, Hon'ble Vice-chancellor KVAFSU, Bidar presided over.

Global Alumni Meet of College of Fisheries was organized on 23-12-2009. Prof. Suresh S. Honnappagol, Hon'ble Vice-Chancellor, KVAFSU, Bidar; Prof. R. N. Srinivasa Gowda, Former Vice-Chancellor; Prof. G. K. Veeresh, Former Vice-Chancellor (UAS (B)); Prof. Sandeep Sancheti, Director NITK Surathkal; Shri. B. P. Putta Buddi, Hon'ble Member, Board of Management of KVAFSU; Dr. H. Shivananda Murthy, Director of Extension; Dr. S. M. Usturge, Director of Instruction (PGS); Dr. Y. Basavaraju, Dean (Fisheries); Dr. H. R. V. Reddy, Secretary, COFAA; Former Directors of the Institution, retired teachers, distinguished

Alumni of College of Fisheries, the faculty and students of the College of Fisheries, Mangalore were present. Retired Vice-Chancellors, Directors of Instruction and teachers were felicitated by COFAA during the occasion.





#### Transfer of Technology

#### A) Training Programmes / Field Days

#### **Training Programme on 'Fish Farming'**

The Extension Education Wing (EEW), Mangaiore Campus has organised a training programme on "Fish Farming" on  $17^{\text{th}}$  August, 2009 at Mangalore for the benefit of farmers and entrepreneurs in collaboration with KVK, Mangalore. Dr. H. Shivananda Murthy, Director of Extension participated and



inaugurated the programme. About 40 farmers and entrepreneurs attended and benefited by the training programme. Faculty of the EEW, Mangalore and staff of the KVK coordinated the programme.

#### **Training on 'Pig Farming'**

The Extension Education Wing, Mangalore, organised one day training programme on 'Pig Farming' at Mangalore on 14<sup>th</sup> September, 2009 for the benefit of farmers and farm women in collaboration with the Department of Animal Husbandry & Veterinary Services (AH&VS), Dakshina Kannada. More than 150 farmers and farm women actively participated and benefited by the programme. Dr. H. Shivananda Murthy, Director of Extension, KVAFSU; Dr. K. V. Kulakarni, Joint Director, Department of AH&VS,

Bangalore; Dr. Halagappa, Deputy Director, Department of AH&VS, D.K. and other officers of the Department of AH&VS participated. Faculty of the EEW, Mangalore coordinated the training programme.



#### Training on 'Dairy Farming'

A training programme on "Dairy Farming" was organised at Livestock Research & Information Center (Deoni), Karanja, for the benefit of farmers and farm women during October 12-16, 2009. 30 farm women and farmers participated and benefited



by the programme. Dr. H. Shivananda Murthy, Director of Extension participated in the inaugural ceremony. Dr. Sathish Biradar, Farm Superintendent, LRIC (Deoni) coordinated the programme.

#### **Demonstration on 'Online e-Resources'**

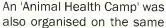
A training cum demonstration on 'Online e-Resources' particularly the electronic resources available under 'Consortium for e-Resources in Agriculture (CeRA)' was organised on 14<sup>th</sup> October, 2009 at Bidar Campus. Officials from Informatics India Ltd., Bangalore have demonstrated on

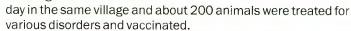
quick searching, access and retrieval of online journals and other e-Resources. Prof. Suresh, S. Honnappagol, Vice-Chancellor and officers of the University, staff and students attended the programme. Dr. H. Shivananda Murthy, University Librarian (I/c) coordinated the programme.

# Training on 'Dairy products value addition' and 'Animal Health Camp'

One day training programme on 'Dairy products technology and value addition to milk products' was organised by the Extension Education Wing (EEW), Bangalore Campus at Doddaballapura on 16<sup>th</sup> October, 2009. Dr. H. Shivananda Murthy, Director of Extension inaugurated the programme. Dr. B. V. Venkateshaiah, Dean (D.Sc) presided. The programme was jointly organised by EEW, Bangalore and KVK, Bangalore Rural District. 50 farm women and farmers were trained with

practical demonstration on value addition to milk products. Faculty of Dairy Science College, Bangalore and EEW, Bangalore participated as resource persons.







#### 'Polyculture of fish and value addition to fish products'

The Extension Education Wing (EEW), Mangalore has organised 5 days intensive training programme on "Polyculture of fish and value addition to fish products' during 30<sup>th</sup> November - 4<sup>th</sup> December, 2009 at Mangalore Campus. Subject Matter Specialists of KVKs, Assistant Directors of Fisheries Department and other Departments participated in the programme. Shri. Monappa Karkera, Member of BOM inaugurated, while Dr. H. Shivananda Murthy, Director of Extension was the Chief Guest. Dr. K. M. Shankar, Dean (I/c) was present. The faculty of EEW, Mangalore coordinated the programme.

#### Training on value addition to milk products

A training programme was organised by the EEW, Bangalore at Byalahally, Tarikere Taluk, Shimoga district on 'Value addition to milk products' on September 22<sup>nd</sup>, 2009. Shri. Suresh Kumar Tarikere MLA inaugurated and Dr. H. Shivananda Murthy, Director of Extension presided. Sixty farm women were trained on dairy and bakery products. An animal health



camp was also organised on that day in the same village and about 300 animals were treated. Staff of EEW, Bangalore and Veterinary College, Shimoga participated in the programme.





#### **B) Other Extension Activities**

#### **Participation in the NFDB Matsyamela**

KVAFSU has participated in the Matsyamela organised by National Fisheries Development Board (NFDB) at Hyderabad during July 11-13, 2009 with a stall and displayed the activities of the KVAFSU. Prof. Suresh, S. Honnappagol, Vice-Chancellor; Dr. H. Shivananda Murthy,

Director of Extension and Dr. Y. Basavaraju, Dean (Fisheries) participated in the Matsyamela. The Extension Education Wing, Mangalore Campus had setup the stall and displayed the activities of the University.



#### **Participation in the Dharwad Krishimela**

The Directorate of Extension, KVAFSU has participated in the Krishimela organised by University of Agricultural Sciences, Dharwad during September 19-21, 2009 at the University Campus, Dharwad. A stall was set up and displayed various activities of the University. Prof. Suresh, S. Honnappagol, Vice-Chancellor, Dr. H. Shivananda Murthy, Director of Extension and Dr. K. C. Veeranna, Head, Department of AHE participated in the mela. The stall was inaugurated by the Hon'ble



Minister of Agriculture Sri Ravindranath, in the presence of Shri. Murugesh Nirani, Hon'ble Minister; Sri Basavaraj Horatti, Former Hon'ble Minister; Vice-Chancellors and other dignitaries.

#### Participation in the Bangaiore Krishimela

The KVAFSU has participated in the Krishimela organised by the University of Agricultural Sciences, Bangalore at GKVK during 18-21 November, 2009. A stall was set up for displaying the University activities during the mela. Dr. H. Shivananda Murthy, Director of Extension and Sri H.T. Mohan Kumar Member BOM participated in the mela. The faculty of Extension Education Wing, Bangalore Campus have coordinated the programme.

#### **Participation in the Raichur Krishimela**

The Directorate of Extension has participated in the Krishimela at University of Agricultural Sciences, Raichur during December 5-7, 2009 by setting up a stall and displayed the University activities. Dr. H. Shivananda Murthy, Director of Extension participated in the inaugural ceremony of the mela, as Guest of Honour. This was the  $\mathbf{1}^{\rm st}$  Krishimela of the UAS, Raichur.

#### **Publications released by the KVAFSU**

The Directorate of Extension has published the following books, leaf lets / folders during the period

SI. No.	Title	Book / Folder
1	Strategies for extension education in animal husbandry & fisheries in the next decade	Book (English)
2	ಸುಧಾರಿತ ಪಶುಪಾಲನೆ ಮತ್ತು ಹೈನುಗಾರಿಕಾ ಪದ್ಧತಿಗಳು	Book (Kannada)
	(Package of practices in Animal Husbandry & Dairy Technology)	
3	ಸುಧಾರಿತಾ ಮೀನುಗಾರಿಕಾ ಪದ್ಧತಿಗಳು	Book (Kannada)
	(Package of Practices in Fisheries)	
4	ಸ್ಮರಣ ಸಂಚಿಕೆ (Souvenir brought during mela)	Book (Kannada)
5	"ಗೆಂಡೆ ಮೀನುಗಳ ಸಾಕಣಿ "	Folder
	(Farming of Carps)	(Kannada)
6	"ಕುರಿಗಳಲ್ಲ ರೋಗಗಳು ಮತ್ತು ನಿಯಂತ್ರಣ ಕ್ರಮಗಳು"	Folder
	(Sheep Diseases and Management)	(Kannada)
7	"ಸಿಹಿ ನೀರು ಸಿಗಡಿ ಸ <del>ಾಕ</del> ಣಿ"	Folder
	(Freshwater Prawn Farming)	(Kannada)
8	"ಅಜೊಲ್ಲಾ – ಜಾನುವಾರುಗಳಗೆ ಉತ್ತಮ ಆಹಾರ"	Folder
	(Azolla- Nutritions food for Cattle)	(Kannada)
9	"ಮೀನಿನ ಉಪ್ಪಿನಕಾಯ"	Folder
	(Fish Pickle)	(Kannada)
10	"ಮೊಲಗಳ ತಳಗಳು ಮತ್ತು ವಿಶೇಷತೆ"	Folder
	(Breeds of Rabbits and Farming)	(Kannada)
11	Dairy Farming in Hindi	Book (Hindi)

The publications (from SI. No. 2 to 11) were released during the 'Southern Regional Agri, Animal & Fish Fair' held at Bidar during 18-20 December, 2009 by the Hon'ble Minister for Animal Husbandry and other dignitaries. The above books on Package of Practices in 'Animal Husbandry & Dairy' and 'Fisheries' (SI. No. 2 & 3) published in Kannada are available for sale by the University at the office of the Director of Extension and at all constituent Colleges and Livestock Research & Information Centers / Fisheries Research & Information Centers / Extension Education Wings. Interested institutions, entrepreneurs and farmers may contact the nearest office.

#### **Activities of the Veterinary College, Shimoga**

#### **Hostel Day Celebration**

Veterinary College, Shimoga celebrated the 'Hostel Day' for the first time in their own building on  $27^{\text{th}}$  November, 2009. Prof. Suresh, S. Honnappagol, Hon'ble Vice-Chancellor, KVAFSU, expressed his extreme happiness about the progress made in Hostel development. Dr. Rudresh, previous Chief Warden of the Hostel was felicitated. Dr. Mallikarjunappa, Dean, Veterinary College, Shimoga presided over. Dr. Ananda, K. J., Chief Warden, Boys Hostel presented the Annual Report.

#### 'Orientation of Freshers'

An orientation programme was organized for the new batch of 1<sup>st</sup> BVSc&AH students of Veterinary College, Shimoga on 3<sup>rd</sup> August, 2009. Dr. Mallikarjunappa, Dean, Veterinary College, Shimoga welcomed the students, their parents and the staff. Dr. Vijaykumar, B. Shettar briefed the new comers and their parents on academic programmes and procedures of the University.



# KVAFSU News Letter

#### Awareness Programme about H,N,

An awareness programme on  $H_1N_1$  was organised at Veterinary College, Shimoga on  $27^{\text{th}}$  August, 2009 with a view to bring awareness among the staff and students about the disease. Dr. Srinath Bhave, Medical Practitioner and Medical Oficer (I/c) of Veterinary College, Shimoga made presentation about the  $H_1N_{\perp}$  Dr. V. B. Shettar welcomed the gathering. Dr. S. Mallikarjunappa, Dean, Veterinary College, Shimoga presided.

#### **Animal Health Camp at Kotegangur**

An 'Animal Health Camp' was organised at Kotegangur village in Shimoga district on 24<sup>th</sup> December, 2009 jointly by the Veterinary College and Department of Animal Husbandry & Veterinary Services, Shimoga. About 100 animals were vaccinated and treated at the camp. IV<sup>th</sup> B VSc&AH students participated in the camp as a part of their AHE 411 practicals. Dr. Ganesh Udupa, Dr. B. P. Ravikumar, Dr. Manjunatha, L., of Veterinary College, Shimoga and Dr. Sudarshan of IAH&VB, Dr. Nataraj of Department of AH&VS and other supporting staff participated in the camp.

#### **Activities of the Veterinary Coilege, Hassan**

Sri Revunaik Belamagi, Hon'ble Minister of Animal Husbandry, GOK, Prof. Suresh Honnappagol, Hon'ble Vice Chancellor, KVAFSU, Bidar, Sri Naveen Raj Singh, Deputy Commissioner, Hassan Sri. H.S. Prakash, MLA, Hassan and Dr. H. T. Mohan Kumar, Hon'ble Board Member visited Hassan Veterinary College Campus on August 29, 2009 and reviewed the land acquisition process.



#### **Technical Seminar**

One day Technical Seminar was conducted at Veterinary College, Hassan on 15.9.2009 in Association with Karnataka Veterinary Association, Hassan. About 90 veterinarians of Department of AH & VS and KMF participated. Dr. M.S.Vasanth, Dean of Veterinary College, Hassan made a presentation on recent advances in surgical techniques followed by Dr. S.B.Prasanna, Sri. Devaraja Naik, H, Dr. Naveen Kumar G.S. Dr. Phaniraj. L and Dr.

Pradeep, C. Sri. Balakrishna, CEO, Zillpanchayath, Hassan, inaugurated the technical seminar Dr. P. Srinivas, DD, AH&VS, Hassan and Dr. Laxman Reddy, MD, Hassan Milk Union were the chief guests.



#### **Foundation Day**

"The Foundation Day" of Veterinary Coliege, Hassan was celebrated on August 16, 2009. Prof. Suresh Honnappagol, Hon'ble Vice-Chancellor, KVAFS University, Bidar inagurated the programme. Sri. Naveen Raj Singh, Deputy Commissioner,



Hassan , Dr. H.T.Mohan Kumar & Sri. Monappa Karkera, Hon'ble Board Members, Dr.M.Devaraj, Registrar and Deans were present as chief guests. Dr. M.S.Vasanth, Dean, Veterinary College, Hassan presided over the function.

#### **Transfer of land**

Sri. Karigowda, Assistant Commissioner, Hassan & Alumni of KVAFSU handed over 80 acres of land to Dr. M. Devaraj, Registrar, KVAFSU for Veterinary

College Campus, Hassan on 23.11.2009. Sri H.S. Prakash, MLA, Hassan, Sri. Rudrappaji Rao, Tahasildar, Hassan and Dr. M .S. Vasanth, Dean, Veterinary College, Hassan were present during the occasion.



An agreement was also signed

between KVAFSU and HAMUL, Hassan to hand over the disease investigation laboratory of KMF to Veterinary College, Hassan on rental basis. Dr. M.S.Vasanth, Dean, Veterinary College, Hassan was present.

#### Activities of the Veterinary College, Hebbal, Bangalore

1. AICRP on Poultry breeding for meat, Department of Poultry



Science, Bangalore Center has been RANKED FIRST among the Broiler centers of the country.

2. Quails were introduced in the University poultry

#### Activities of the Dairy Science College, Hebbal, Bangalore

- Enlightened the invited dairy farmers on chemical quality of milk and stressed the need to supply good quality milk to the Milk Producers Co-operative Societies for getting remunerative price.
- Demonstrated the detection of added water, presence of possible adulterants, preservatives, neutralizers and thickening agents in milk to the assembled dairy farmers. In all, about 300 dairy farmers participated in the mela at Bidar Campus.





3 days "House wives" program was organized by the Department of Dairy Technology on value added Indian dairy products during 22-24 Oct 2009. 19 house wives participated in this hands-on training program.

#### Other activities of the College of Fisheries, Mangalore

1. Organized Fresher's Day programme in the College with Dr. S. Ayyappan, Deputy Director General (Fisheries) as a Chief Guest on 18-08-2009



Organized NSS camps cleaning programme in the College campus on 02-10-2009



3. Foundation stone laying ceremony of Laboratory Cum Office building of Regional Center of CMFRI was organised

- at College of Fisheries Technology Wing Campus, Hoige Bazar. Dr. Mangala Rai, Director General, ICAR, Dr. S. Ayyappan, DDG (Fisheries), Prof. Suresh, S. Honnappagol, Hon'ble Vice-Chancellor, KVAFSU and Dr. Mohan Joseph Modayil, Member, ASRB were present.
- 4. Renovated swimming pool was Inaugurated by Hon'ble Vice-Chancellor Prof. Suresh S Honnappagol on 23<sup>rd</sup> December 2009 in the presence of Sri Puttabuddi, Sri Monappa Karkera, Dr. H. Shivananda Murthy, Director of Extension, Dr. S. M. Usturge, Director of Instruciton (PGS), Dr. Y. Basavaraju, Dean (Fisheries), faculty and students of the College of Fisheries.



#### Celebration of Fish Farmers Day by FRIC, Ankola

Fisheries Research and Information Center (Marine), Bela, Ankola celebrated 'Fish Farmers Day' on 28th July, 2009. The programme was inaugurated by Sri. R. T. Mirashi, Progressive Shrimp Farmer and ex-member of Zilla Panchayat, Ankola, Uttara Kannada. The Chief Guest of the function Sri. Narayana, K. A., State Coordinator, NETFISH, MPEDA, Mangalore, spoke about establishing the societies / Aqua clubs and its benefits for the fish farming community. Fish and shrimp farmers from Ankola were participated in the programme. The programme was coordinated by the staff of the centre.

#### New Projects / Grants Received during the period

#### College of Fisheries, Mangalore

Teacher	Title	Funding Agency	Amount
Dr. Indrani Karunasagar Professor & Head, Department of Fishery Microbiology	Indo Norway platform on fish and shellfish vaccine development	DBT, New Delhi	51.41 lakhs
Dr. Gangadhar Gowda, Professor, Department of AEM	Assessment of Riverine Fisheries and Linking with Water Quality Restoration	KSPCB, Bangalore	20.00 lakhs
Dr. R. Muni Reddy-Associate Professor, Department of Fishery Economics	Economics of Myctophid Harvesting in India	CMLRE, Ministry of Earth Sciences, Kochi, India	27.48 Lakhs
Dr.N. Basavaraja Professor, Department of Aquaculture	Production of all-male population of ornamental fishes through application of aromatase inhibitor	DBT, New Delhi,	34.93 lakhs



#### **University Sports Activities**

#### **Inter-Collegiate Tournament 2009**

KVAFSU Inter-Collegiate Tournament 2009 in Football, Kabaddi, Kho-Kho and Badminton for men were hosted by Coilege of Fisheries, Mangalore from 29<sup>th</sup> to 31<sup>st</sup> October, 2009. Sri. B. S. Balakrishna, Superintendent Engineer, PWD, Mangalore Circle, inaugurated the tournament on 29.10.2009 in the presence of Sri Monappa Karkera, Hon'ble Member of Board of Management, KVAFSU, Bidar as Chief Guest. Dr. Y. Basavaraju, Dean, College of Fisheries presided over. About 170 participants from 7 constituent Colleges of KVAFSU, Bidar participated.

In Kabaddi, College of Fisheries, Mangalore won the Championship and Dairy Science College, Bangalore secured the runners up position. In Football, Veterinary College, Hassan won the Championship and the College of Fisheries, Mangalore secured the runners up position. In Kho-Kho, Veterinary College, Shimoga won the Championship and the Veterinary College, Bidar secured the runners up position. In Badminton Men section, the College of Fisheries, Mangalore won the Championship and Veterinary College, Bangalore secured the runners up position. In Badminton Women section, Veterinary College, Bangalore won the Championship and College of Fisheries, Mangalore secured the runners up position. The valedictory function was held on 31.10.2009. Sri H.T. Mohan Kumar, Hon'ble Member, BOM KVAFSU, while Dr. Y. Basavaraju, Dean (Fisheries) presided.

#### **Inter-Collegiate Youth Festival**

The students of Shimoga Veterinary College participated in the 5<sup>th</sup> Intercollegiate Youth Festival of KVAFSU organised at Bidar during 5<sup>th</sup> 7<sup>th</sup> November, 2009. The Shimoga Veterinary College team bagged 3<sup>rd</sup> place by securing 97 points. The students secured 1<sup>st</sup> Prize in Solo Song, Kannada Elocution, Skit and Mime, 2<sup>nd</sup> Prize in Mono-acting, Poster making, Kannada debate, Folk dance, Group song whereas 3<sup>rd</sup> place in Collage, English debate and English extempore.

#### Veterinary College, Hassan

Veterinary College, Hassan has secured First place in the Table Tennis (Men), Table Tennis (Women), Football, Volley Ball (Women) and second overall championship in the 5<sup>th</sup> intercollegiate sports & games meet of the KVAFS University, Bidar.



The Intercollegiate cultural festival "VET FEST -2009" was organized at Veterinary College, Hassan on 12.08.2009 and 13.08.2009. Around 200 participants from 22 different colleges of Hassan had participated. The Government Arts College, Hassan won the overall championship trophy of "VET FEST-2009".



The Intercollegiate Chess & Table Tennis Tournment was held on 7 & 8 September, 2009 at Veterinary College, Hassan. Dr. K.S. Gangadhar, Dean, Medical College, Hassan, Sri. Praksh S.Yaji, Indian Sports & Guides Commissioner, Hassan were Chief guests and Dr. M.S. Vasanth, Dean, Veterinary College, Hassan presided over the inaugural function.

#### Radio / TV Programmes

- Prof. H. Shivananda Murthy, Director of Extension, KVAFSU participated in the "Live Phone-in-Programme" on 16<sup>th</sup> December, 2010 in the studios of the Bangalore Doordarshan in connection with organization of 'Agri, Animal & Fish Fair' at Bidar Campus.
- Dr. H. G. Ramachandra Rao, Professor and Head, Dairy Technology gave a radio talk on "Preparation of Miik products at Home level" broad costed by All India Radio during Aug. 2009.

#### Important Visitors to the university

#### Sri K. S. Eshwarappa visits Shimoga Campus

Sri K. S. Eshwarappa, Hon'ble State Cabinet Minister for Energy, Government of Karnataka, visited Shimoga Campus on 19<sup>th</sup> August, 2009. He inspected the various developmental works and urged to expedite the same. Further, he promised all possible support for the development of the campus.

Veterinary Council of India (VCI) team headed by Dr. Butchaiah visited Shimoga Veterinary College during 26-28, October, 2009 and reviewed progress made as stipulated by VCI. The other two members were Dr. Balakrishnan and Dr. Jayakumar





# List of Superannuated Officials during The period

SI. No.	Name & Designation	Date of Superannuation
1	Sri. Chandrashekar, Senior Mechanic, College of Fisheries, Mangalore	31-10-2009
2	Dr. P. K. Keshavaprasad, Professor, Dairy Science College, Hebbal, Bangalore	30-11-2009
3	Sri. K. N. Narsaiah, Field Assistant, Veterinary College, Hebbal, Bangalore	31-12-2009

# List of Ph.D., and Masters thesis accepted during the period

## 1. Veterinary College, Hebbal, Bangalore

SI. No.	Student	Masters/ Ph.D.	Department	Thesis Titie	Guide
1.	Dayamon D. Mathew	Masters	VSR	Comparison of type IA single and double connecting bar external skeletal fixation For femoral fracture repair in dogs	Dr. L. Ranganath
2.	Nagaraj M.	Masters	VSR	A comparative evaluation of Halothane and Isoflurane Anaesthesia for Ovariohysterectomy in Bitches	Dr. R. Nagaraja
3.	Nagaraju N.	Masters	VSR	Comparison of stainless steel versus Acrylic connecting bar for type Ib external skeletal Fixation for tibial fracture repair in dogs Studies on external skeletal	Dr. B.N. Nagaraja
4.	Mahesh V.	Ph.D.	VSR	fixation for radius fracture treatment in dogs	Dr. L. Ranganath
5.	Sunita Chaudhary	Masters	Veterinary Medicine	Studies on ehrlichiosis in dogs	Dr. A. Muralidhara
6.	Chetan Kumar G.K.	Masters	Veterinary Medicine	Clinical and microbiological studies on bovine mastitis	Dr. M. Narayana Bhat
7.	Joseph Cyrus	Masters	Veterinary Medicine	Endoscopic evaluation of gastro esophageal disorders in dogs	Dr. S. Yathiraj
8.	Sunilkumar K.M.	Masters	Veterinary Medicine	Study on hypothyroidism in dogs with dermatological disorders	Dr. P.T. Ramesh
9.	Vinay Kumar S.	Masters	Poultry Science	Effect of replacing inorganic source of Zinc and Manganese with organic source on reproductive and immune status of female line of Swarnadhara	Dr. Jayanaik
10.	Nagmote Swapnil G.	Masters	Poultry Science	Applications of PCR in sexing of chicken	Dr. H.N. Narasimha Murthy
11	Shivakumar M.C.	Ph.D.	Poultry Science	Role of yeast cell extracted nucleotides in improving the performance of broiler chickens	Dr. H.N. Narasimha Murthy
12.	Milad Manafi	Ph.D.	Poultry Science	Comparative efficacy of bentonite, spirulina platensis and glucomannan mycotoxin binders on Aflatoxicosis in broiler breeders and carry over effects on progeny performance	Dr. H.N. Narasimha Murthy
13.	Nagesh A.M.	Masters	Animal Nutrition	Influence of feeding varying levels of energy on the milk yield and solids not fat constituents of milk in lactating diary cows	Dr. K. Chandrapal Singh
14.	Ramachandra	Ph.D.	Animal Nutrition	Effect of feeding frequency and protein, energy or urea supplementation to sorghum (Sorghum Bicolor) stover on the performance of growing Deoni Cattle	Dr. K. Chandrapal Singh
15.	Mrs. Raji S.S.	Masters	Anatomy	Analysis of atresia in ovarian follicles of buffaloes ( <i>Bubalus bubalis</i> ) by flow cytometry and classic Histology	Dr. R.V. Prasad
16.	Sunil Kumar Patii	Masters	Anatomy	Morphological and immunohistochemical studies on antigen associated with ovarian follicular atresia in buffalo (Babalus bubalis)	Dr. K.V. Jamuna
17.	Shambhulingappa Y.B.	Masters	Anatomy	Morphological studies on the skin of carnivorous wild animals	Dr. R.V. Prasad



18.	Ravi K.B.	Masters	VGO	Impact of IBR (BHV-I) and brucellosis on reproductive performance in dairy cows	Dr. T.G. Honnappa
19.	Vinoth Kumar	Masters	AGB	Comparative study of growth hormone gene Polymorphism between Malnad Gidda & Ongole Cattle	Dr. M.R. Jayashankar
20.	Nandini M.S.	Masters	Veterinary Physiology	Effect of extracts of Murraya koenigii spreng. (Curry leaf) and Morus alba linn. (Mulberry leaf) on follicular development and steroidogenic Activity in rats	Dr. T. Veena
21.	Hemannagowda K.	Masters	Veterinary Physiology	Hypolipidemic and antioxidant effects of fenugreek (Trigonella foenum graecum) seed and turmeric (Curcuma longa) rhizome in diet induce hyperlipidemic rats	Dr. M. Narayanaswamy
22.	Roopadevi Y.S.	Masters	Veterinary Pathology	Toxicopathology of chilorphyrifos in chick embryos and its carry over effects in chicks	Dr. H.D. Narayanaswamy
23.	Mallikarjuna G.	Masters	Veterinary Pathology	Pathomorphological and biochemical evaluation of hypoglycemic effects of Momordica charantia and Gymnema sylvestre in experimentally induced diabetes in rats	Dr. Suguna Rao
24.	Shenbagam S.	Masters	Veterinary Pharmacology	Pharmacological and subchronic toxicological study of Asteracantha longifolia in rats	Dr. N.B. Shridhar
25.	Dilip S.M.	Masters	Veterinary Pharmacology	Toxicity studies of Annona squamosa in rats	Dr. N. B. Shridhar
26.	Lohith T.S.	Masters	Veterinary Pharmacology	Toxicity studies of raw areca nut extract in rats	Dr. N. B. Shridhar
27.	Rashmi R.	Masters	Veterinary Pharmacology	Toxicity studies of norfloxacin, a fluoroquinolone in rats	Dr. K. Jayakumar
28.	Rachana D'Souza	Masters	Veterinary Pharmacology	Experimental studies on silk protein material for its effect on wound helaing and safety in laboratory animals	Dr. K. Jayakumar
29.	Nirmala G.C.	Ph.D.	Veterinary Pharmacology	Studies on pharmacological activities an safety	Dr. K. Jayakumar
30.	Pradeep B.S.	Masters	Veterinary Parasitology	Studies on the efficacy of some commonly used acaricides against a common cattle and dog tick Species	Dr. C. Renukaprasad
31.	Raju Metri	Masters	Veterinary Parasitology	Studies on the efficacy of some Anticoccidial drugs in Induced Coccidial infections of Broiler Chickens	Dr. Placid E. D'Souza
32.	Jyothi H.L.	Masters	Veterinary Microbiology	Standardization of milk based elisa in rabbits immunized with bovine mastitis causing Escherichia coli and Staphylococcus auresus biofilm vaccines	Dr. D. Rathnamma
33.	Usharani J.	Masters	Veterinary Microbiology	Evaluation of adjuvant activity of heat shock protein fused to FMD virus polyprotein in development of mucosal vaccine	Dr. Shrikrisshna Isloor
34.	Senthilnathan G.	Masters	Veterinary Microbiology	Standardization of indirect ELISA for seroprevalence of Leptospirosis in bovines	Dr. D. Rathnamma
35.	Chandrashekhar N.	Masters	Veterinary Microbiology	Immunological evaluation of Escherichia coli biofilm vaccine in cattle	Dr. Shrikrishna Isloor
36.	Vinaykumar Y.L.	Masters	Veterinary Microbiology	Amplification and cloning of p29 gene of Mycoplasma gallisepticum	Dr. B.M. Veeregouda
37.	Shekhar R. Badhe	Masters	LPT	Antibacterial efficacy of clove and cinnamon on some food borne pathogens and acceptability of chicken meat	Dr. Md. Nadeem Fairoze
38	Sudarshan S.	Masters	LPT	Evaluation of antibacterial efficacy of ginger, garlic extracts on common food borne pathogens in chickens meat	Dr. Md. Nadeem Fairoze





# 2. Veterinary College, Bidar

SI. No.	Student	Masters	Department	Thesis Title	Guide
1.	Pradnaynkur L. Borkar	Masters	Veterinary Microbiology	Study on the immunogenic effect of fimbrial antigen extracted from <i>E.coli</i> serotypes of poultry Origin	Dr. Y. Hari Babu
2.	Vinay S.	Masters	Veterinary Microbiology	Comparative evaluation of RT-PCR for VP3, Vp7 and NS3 genes in detecting Bluetongue Virus	Dr. Y. Hari Babu
3.	Asif M. Ashraf	Masters	VSR	Comparative evaluation of static and dynamic veterinary intramedullary interlocking nailing techniques for femoral fracture in canine	Dr. D. Dilipkumar

# 3. Dairy Science College, Hebbal, Bangalore

SI. No.	Student	Masters/ Ph.D.	Department	Thesis Title	Guide
1.	Ms. DEEPTHI T	Masters	Dairy Technology	Development of enriched fruit yoghurt from protein modified buffalo milk	Mr. M. Venkatesh
2.	P. Madhusudhan Rao	Masters	Dairy Technology	Studies on the development of low-calorie problotic misti dahi	Dr. B.V. Venkateshajah
3.	Shashikumar	Masters	Dairy Technology	Studies on bio-preservation of Khoa and Paneer using lactoferrin	Dr. D.B. Puranik
4.	Chitra M.K.	Masters	Dairy Technology	Effect of incorporation of aloevera, mint and clove on physico-chemical and sensory characteristics of Paneer	Dr. H.G. Ramachandra Rao
5. 	Shridhar T.D.	Masters	Dairy Technology	Development of enriched yoghurt	Dr. H.G. Ramachandra Rao
6.	Nagesh Kumar B.A.	Masters	Dairy Technology	Development of enriched probiotic yoghurt	Dr. B.V. Venkateshajah
7.	Nagamani A.	Masters	Dairy Chemistry	In vitro studies on the remineralisation efficacy of cassenophospho peptides on demineralised Tooth	Mrs. Jayashri P. Hiremath
8.	Swarnalatha G.	Masters	Dairy Chemistry	Effect of hydrocolloids on the quality characteristics of set yoghurt incorporated with tender coconut water milk blends	Mrs. Jayashri P. Hiremath
	Prathima B.K.	Masters	Dairy Chemistry	Phylico-chemical and rheologreal characteristics of yoghurt enriched with soy flour	Mr. C. Kempanna
	Shilpa V.	Masters	Dairy Chemistry	Influence of casein fractions, their peptides on quality of ice-cream	Dr. Narasimha Murthy
11	Shilpa K.	Masters	Dairy Chemistry	Bio-chemical evaluation of pevoxyaivd physico- chemical characterostives and shelf life of milk	Mr. C. Kempanna

# 4. College of Fisheries, Mangalore

SI. No.	Student	Masters/ Ph.D.	Department	Thesis Title	Guide
1.	Deekshit	Masters	Fisheries Microbiology	Relation of faecal contamination with prevalence of salmonella in seafood	Dr. M.N. Venugopal
2.	Krishna Kumar B.	Masters	Fisheries Microbiology	Evaluation of monoclonal antibody based test for the detection of pathogenic Vibrio parahemolyticus	Dr. M.N. Venugopal
3.	B. Koteshwar	Masters	Fisheries Microbiology	Occurrence of pathotypes of <i>Ecoli</i> in aquatic environment	Dr. Indrani Karunasagar
4. 	Purushottama G.B.	Ph.D.	Fisheries Microbiology	Microbial association with the marine sponges available in different parts of India	Dr. M.N. Venugopal
5.	Divu D.	Ph.D.	Fisheries Microbiology	Microsatellite DNA marker based molecular ecological evaluation studies in <i>Macrobrachium</i> Species	Dr. Indrani Karunasagar
6.	Manjanaik B.	Ph.D.	Fisheries Microbiology	Studies on the virus prevalence and health status of wild and cultured shrimps	Dr. Indrani Karunasagar
7.	Suresh T.	Ph.D.	Fisheries Microbiology	Isolation and characterization of bioactive compounds from Marine bacteria	Dr. M.N. Venugopal













8.	Kamalesh Panda	Masters	FRM	Fisheries of Pearl spot, <i>Etroplus suraternsis</i> (Bloch) from Mulky estuary: Reproductive biology, Resource structure and Socio-economics of Fisherfolk	Dr. S.M. Shivaprakash
9	Ms. Meghana P.N.	Masters	AEM	Phytoplankton dynamics in the coastal waters of Padubidri, Udupi District	Dr. H.R.V. Reddy
10	Ms. Rajeshwari Vital B.	Masters	AEM	Macrobenthic Community Structure in Relation to Sediment Characteristics in the Coastal waters of Padubidri, Udupi District	Dr. H.R.V. Reddy
11	Resmi S.	Masters	AEM	Distribution and Abundance of Zooplankton in the Coastal waters of Padubidri, Udupi District	Dr. H.R.V. Reddy
12	Swetha K.B.	Masters	AEM	Meiofauna in relation to sediment characteristics in Mulky estuary, Dakshina Kannada	Dr. Gangadhara Gowda
13	Maheshwara K.J.	Masters	IFT	Studies on thermal processing of tuna- a comparative study in conventional tin-can and tin-free steel cans	Dr. C.V. Raju

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## Dr. S. Ayyappan appointed as Director General, ICAR

Karnataka Veterinary, Animal & Fisheries Sciences University (KVAFSU) is extremely happy and overwhelmed to note that Dr. S. Ayyappan has been appointed as Director General, ICAR and Secretary, DARE, Ministry of Agriculture and congratulates Dr. S. Ayyappan. Dr. S. Ayyappan is an alumnus of this University and studied for his Bachelors and Masters Degree in Fisheries Science at College of Fisheries, Mangalore during 1970s. It is a matter of great pride and privilege to all the staff and students of this University that an alumnus of this University and a first person from Karnataka assumed the office as Director General of ICAR and Secretary of DARE, GOI. We wish under his dynamic and vibrant leadership, the ICAR and the Indian Agricultural Research System will reach greater heights. - Editor



