



NIVEDI

News

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Director's Desk



New Year Greetings to all!

While welcoming 2016, let us thank all the well-wishers and almighty for all the good things happened and inspiring us to keep the momentum of progress and development. It is indeed a great pleasure and privilege to notice the dawn of New Year and passing new day; ICAR-NIVEDI carries on its mission of conducting research on epidemiology, forecasting of Livestock diseases and disseminating the developed technologies to the farmers. Commemorating the first year in the new facility at Yelahanka, Institute celebrated inauguration day on 8th January, 2016 with a cherishing memories. One more feather added to the cap of our Institute by laying foundation stone for Training cum Farmer's hostel by Dr. Trilochan Mohapatra, Secretary DARE and DG, ICAR in the presence of other dignitaries. CDC sponsored workshop on Anthrax was organised at NIVEDI in which trainees from Bangladesh and India participated. Under Mera Gaon Mera Gaurav programme, Farmers – Scientists meet on 14th January, 2016 was an appreciable event of the institute to disseminate knowledge to the farmers. As a part of Tribal Sub Plan programme, sheep were distributed to the tribal farmers in the selected villages in Mandya, Kolar and Raichur districts in Karnataka. We celebrated World Veterinary day on 30th April, 2016 with the theme of 'Continuing education with a one health focus'. Swachhta Pakhwada was observed under Swachh Bharat Abhiyaan in which staff of NIVEDI visited neighbouring village and organised cleanliness drive with the co-operation with the villagers.



Heartly Congratulations to our beloved Dr. B. R. Shome, Principal Scientist, ICAR-NIVEDI for becoming Director (Acting), ICAR-NIVEDI on 1st January, 2016.

Foundation Stone laying Ceremony



Hon'ble Dr. Trilochan Mohapatra, Secretary, DARE and Director General, ICAR laid the Foundation stone for the Training cum Farmers Hostel of ICAR-NIVEDI, Bengaluru on 19th May, 2016. Dr. H. Rahman, DDG (AS), Dr. A.K. Srivatsava, Director, ICAR-NDRI, Dr. Raghavendra Bhatta, Director, ICAR-NIANP and Dr. A. Sanyal, Joint Director, ICAR-IVRI, Bengaluru Campus were present. The Secretary, DARE and Director General, ICAR interacted with scientists, research staff and administrative staff of ICAR Institutes on the occasion. In his address, Dr. Mohapatra urged scientists to carry out research in key areas for augmenting the livelihood and welfare of the farmers. He further emphasized that the young scientists should have open mind to work towards the goal in a multidisciplinary team so as to contribute to the country either in the form of cost saving technologies or scientific advancements. He also congratulated the recipients of prestigious DBT-Biotech Product and Process Development and Commercialization Award 2016 for developing an innovative diagnostics technology for serosurveillance of brucellosis in India. Further, he commended the functioning of the "state of art Bio-Safety Laboratory (BSL)-2 facility" at the Institute. He also released the first issue of "Pashu Prahari", the Rajbhasha magazine of the Institute. Dr. H. Rahman, DDG (Animal Science) congratulated the DBT awardees for

the achievement and appreciated the efforts of the Scientists of ICAR-NIVEDI.



The DBT sponsored Biotech product and process development and commercialization award 2016 was conferred by His Excellency Shri Pranab Mukherjee, Hon'ble President of India to team of scientists led by Dr. Rajeswari Shome, Dr. B.R. Shome, Ms. Triveni. K and Dr. H. Rahman in recognition of their work on Development of indigenous affordable diagnostics for serosurveillance of brucellosis for livestock in India. Brucellosis in livestock in India is responsible for a median loss of US \$ 3.4 billion/ annum (INR 22,554 crores) and a well-known zoonotic disease. The number of Institutions in the country were procuring imported ELISA kits for surveillance of brucellosis. Dependence on imported kits had direct bearing on cost of screening and diagnosis and its impact on national exchequer. The surveillance tests which are cost effective and indigenously developed were not available in India. The necessity was felt to develop an universal sero-screening test using Protein-G HRP conjugate which can bind to many mammalian species IgG since brucellosis is multiple species disease, which infect bovines, swine, small ruminants, horses, camel, mithun and yak livestock species. The iELISA diagnostic kit was standardized based on the smooth lipopolysaccharide antigen (instead of crude antigen) which helps to detect antibodies against smooth *Brucella* species such as *Brucella abortus*, *B. melitensis* and *B. suis*. The , evaluated and validated kit showed 98% and 92% sensitivity and 95% and 98% specificity in cattle and buffalo respectively, made the kits very popular in the country and a patent was filled (patent application No 5031/CHE/2013).

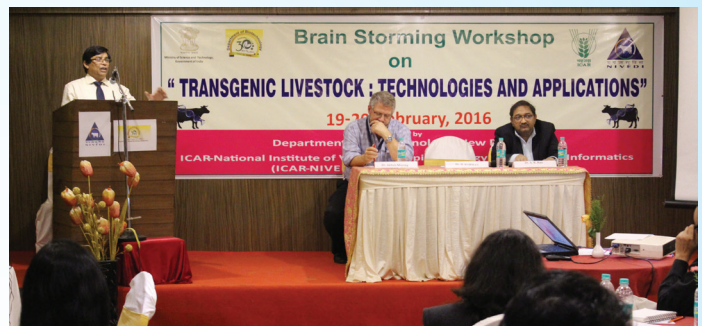


Dr. H. Rahman, DDG(AS), ICAR visited ICAR-NIVEDI and interacted with staff members on 2nd January, 2016. He appreciated the efforts made by the Scientists of ICAR-NIVEDI in the research work.



Dr. Ashok Kumar, ADG (AH), ICAR, New Delhi visited the institute and interacted with scientists of ICAR-NIVEDI on 18th June, 2016.

Scientific Activities



DBT sponsored Brainstorming workshop on Transgenic livestock: technologies and applications was organised by ICAR-NIVEDI and inaugurated by Dr. H. Rahman, DDG (AS), Dr. S.R. Rao, Advisor, DBT and Dr. James Murray, United Kingdom, held during 19-20th February, 2016.



Dr. B. R. Shome, Director, ICAR-NIVEDI participated in the Combating antimicrobial resistance public health challenge and priority meeting held at New Delhi during 23-25th February, 2016.



Dr. B.N. Tripathi, Director, ICAR-National Research Centre for Equines visited the institute facilities and had interaction

with scientists of ICAR-NIVEDI on 16th January, 2016.



Dr. S.S. Patil, Senior Scientist, Nodal Officer organized Sub-committee review meeting of DBT Network Project on Classical Swine Fever on 11th April, 2016 at ICAR-NIVEDI. Dr. H.V. Batra, Director (Retd), DFRL, Mysuru, Dr. B. R. Shome, Director (Acting), ICAR-NIVEDI, Dr. K. Kumanan, Dean, TANUVAS and Dr. Saikumar, Principal Scientist, IVRI, Izatnagar were present.



Dr. M. Nagalingam and Dr. G.B. Manjunatha Reddy, Scientists organized Sensitization training program to Field Veterinarians of Animal Husbandry Department, Pudhucherry under Brucellosis Control Program on 27th April, 2016.



The Customized Web Application on National Surveillance Programme for Aquatic Animal Diseases (NSPAAD) was launched during the Annual review meet of NSPAAD held at NBFGR, Lucknow from 26-29th May, 2016. Dr. K.P. Suresh, Dr. M.R. Gajendragad and Dr. G.B. Manjunatha Reddy, Scientists from ICAR-NIVEDI were present on the occasion.



Public Private Partnership project on Evaluation of immune response of Brucella calfhood vaccine meeting with M/s. Intervet India Pvt Ltd, Hyderabad was held on 14th June, 2016.



Dr. H. Rahman, DDG (AS), ICAR inaugurated the CDC, USA sponsored training cum workshop on "To Improve Diagnostic Capacity and Foster Regional Co-operation for Anthrax Control and Prevention" on 15th June, 2016 at ICAR-NIVEDI, in the presence of Dr. Henry Walke, Chief, Bacterial Special Pathogens Branch, Dr. Johanna Slazer, and Dr. Ben Humringhouse, CDC, USA. The delegates from Bangladesh as well as Indian delegates from Manipal University, Karnataka and ICAR-NIVEDI attended the training.

Important Events



67th Republic day was celebrated by hoisting the National Flag by Dr. B.R. Shome, Director (Acting), ICAR-NIVEDI on 26th January, 2016.



Hindi Implementation Committee meeting of ICAR-NIVEDI was held under the Chairmanship of Dr. B.R. Shome, Director

(Acting) on 27th January, 2016.



International Women's Day was celebrated on 8th March, 2016 at NIVEDI. The programme was attended by Dr. H.R. Gayathri, Assistant Director, DAH&VS, Govt. of Karnataka and Dr. Shobarani, Joint Director, Institute of Animal Health and Veterinary Biologicals, Bengaluru. On the occasion, a session on Yoga-Wellness for Women was delivered by Dr. Rashmi, Institute of Ayurveda and Integrative Medicine, Bengaluru.



World Veterinary day was celebrated with Guest lecture delivered by Dr. N. Balakrishnan, Joint Director, National Centre for Disease Control, Bengaluru on 30th April, 2016.



ICAR-NIVEDI conducted 8th Institutional Animal Ethics

Committee (IAEC) meeting on 22nd June, 2016 under the Chairmanship of Dr. B. R. Shome, Director (Acting). Dr. S.P. Muthukumar, Principal Scientist, CFTRI, Mysuru and CPCSEA Nominee, Dr. C. S. Vinod Kumar, Scientist from outside the institute and other members from ICAR-NIVEDI attended the meeting.

Swachh Bharat Abhiyan



Swachha Pakhwada was observed at ICAR-NIVEDI during 16-31st May, 2016 under Swachh Bharat Abhiyan programme. During Pakhwada, Director administered Swachhta oath to the staff of the Institute and cleaning of the campus was carried on 16th May, 2016. On 31st May, 2016, Swachhta pledge was administered to the school children in Ramagondanahalli village and cleanliness drive was undertaken with the co-operation of the villagers.

Tribal Sub Plan Programme



Mera Gaon, Mera Gaurav Programme



Awareness programme on livestock diseases was conducted by Dr. G. Govindaraj, Dr.P.Krishnamoorthy, Scientists and Dr. Yogisharadhaya, STO, ICAR-NIVEDI at Kodipalya, Bengaluru Rural district under Mera Gaon, Mera Gaurav programme on 14th January, 2016.

Distributed Sheep to Tribal famers under Tribal Sub Plan (TSP) programme by Dr. G. Govindaraj, Dr. P. Krishnamoorthy, Scientists and Dr. Yogisharadhaya and Dr. A. Prajapati, STO, ICAR-NIVEDI in Krishnagowdanadoddi (Mandya district) on 18th January, 2016, in Karudubande (Kolar district) on 14th March, 2016 and in Gonwar and Iranna camp (Raichur district) on 26th March, 2016.



Dr. P.P Sengupta, Dr. S.S. Patil and Dr. J. Hiremath, Scientists visited Kodihalli village under Mera Gaon, Mera Gaurav programme and collected the data related milk yield and FMD vaccination on 15th April, 2016.



Livestock Disease Investigations/Field visits



Dr. G. Govindaraj and Dr. P. Krishnamoorthy, Scientists conducted Animal Health Camp in Krishnagowdanadoddi village, Mandya district on 23th February, 2016.

Dr. G.S. Desai and Dr. S. S. Patil, Scientists from ICAR-NIVEDI investigated IBR disease affected Cow in Halebudanur, Mandya, Karnataka on 18th February, 2016.



Dr. D. Hemadri, Dr. G.S. Desai, Dr. S.S. Patil, Dr. J. Hiremath, Scientists and Dr. Yogisharadhaya, STO conducted Pig Farmers' meet cum interactive meet in collaboration with Vijaya Bank Rural Development Foundation and We Help Rural and Urban Development Institute (NGO) at Mandya, Karnataka on 18th March, 2016.



Dr. V. Balamurugan, Senior Scientist, participated in the DBT-BBSRC FADH PPR Annual Review Meeting held at The Pirbright Institute, London, United Kingdom during 24-27th June, 2016.



Dr. S.S. Patil, visited a dairy farm at Champakanagar, Tripura for sample collection under DBT-IBR-Twinning Project on 21st March, 2016.

Awards and Recognition



ICAR-NIVEDI, received Best Stall Award from Dr. Sanjeev Kumar Balyan, Union Minister of State for Agriculture and Farmers Welfare, in presence of Dr. H. Rahman, DDG (AS), Dr S.M.K. Naqvi, Director, ICAR-CSWRI, during National Sheep and Farmers Fair organized at ICAR-Central Sheep and Wool Research Institute, Avikanagar on 28th March, 2016.

Human Resource Development



Department of Animal Husbandry, Dairying and Fisheries, Government of India sponsored training programme on Brucellosis Control Program-Strategies ahead organized by ICAR-NIVEDI during 18-19th March, 2016. Dr. R.N.S. Gowda, Former Vice-chancellor, KVAFSU was the chief guest for the inaugural function.

New Projects Sanctioned

1. External validation of diagnostic assays for detection of anti- brucella antibodies developed under the DBT-network project on brucellosis (PI: Dr. Rajeswari Shome)
2. ICAR-Extramural Project on 'Understanding the epidemiology of Culicoides borne diseases (CBD's) in wild and domestic ruminants' (PI: Dr. Mudassar Chanda)
3. ICAR-Extramural Project on 'Evaluation of vaccine effectiveness and identification of the factors that affect field level vaccine efficacy of the vaccines against diseases under control program' (PI: Dr. J. Hiremath)

Participation in Meetings/Seminars/Symposia/Training

International

1. Dr. V. Balamurugan, Senior Scientist, participated in the DBT-BBSRC FADH PPR Annual Review Meeting held at The Pirbright Institute, London, United Kingdom during 24-27th June, 2016.

National

1. Dr. G. S. Desai attended training on 'Recent advances in next generation sequencing and data analysis' held at ICAR-IASRI, New Delhi during 8-18th January, 2016.
2. Dr. P.P. Sengupta attended training on Competency development for Human Resource Development for Nodal officers of ICAR held at ICAR-NAARM, Hyderabad during 10-12th February, 2016.
3. Dr. Rajeswari Shome, Dr. G.S. Desai, Dr. K.P. Suresh, Dr. P. Krishnamoorthy and Dr. G.B. Manjunatha Reddy attended 29th Annual convention of the IAVMI held at CVS, Khanapara and ICAR-NRCP, Rani, Assam during 12-14th February, 2016.
4. Dr. M. Nagalingam attended ILRI-ICAR workshop on Communication and knowledge management in animal science research and development held at NASC, New Delhi on 4th March, 2016.
5. Dr. V. Balamurugan attended Journal's Editorial Roundtable 2016 with the theme 'Getting Visible- Indian Authors in the Global Arena' held at Taylor & Francis Group in Bangalore Le Meridian Hotel, Bangalore on 8th March, 2016.
6. Dr. P. Krishnamoorthy attended National symposium on 'One Health Approach – Possible solution for sustainable parasite control' held at Madras Veterinary College, Chennai, during 17-19th February, 2016.
7. Dr. G.S. Desai, Dr. G.B. Manjunatha Reddy, Dr. R. Sridevi, Dr. J. Hiremath and Dr. Yogisharadhya attended 19th ADNAT Convention: International Symposium on MICROHD 2016 held at ICAR-NIANP, Bengaluru during 23-25th February, 2016.
8. Dr. Yogisharadhya R and Dr. Awadesh Prajapati attended competence enhancement training programme for Technical Officers held at ICAR- NAARM during 1-10th March, 2016.
9. Dr. S.B. Shivachandra attended 23rd Annual Review meet of All India Network Programme on Haemorrhagic septicaemia (AINP-HS)' held at NASC complex, ICAR, New Delhi on 3rd March, 2016.
10. Dr. G.B. Manjunatha Reddy attended National Workshop on Management of Animals in Emergencies held at NIDM, New Delhi during 3-4th March, 2016.
11. Dr. Md. Mudassar Chanda attended National seminar on Recent advances in statistical tools for agriculture and allied sciences held at Bidhan Chandra Krishi Viswavidyalaya Mohanpur, Nadia, West Bengal, India during 3-5th March, 2016.
12. Dr. M. Nagalingam and Dr. G. B. Manjunatha Reddy attended DBT-Sponsored Workshop on Brucella Genomics III held at Madurai Kamaraj University, Madurai during 14-18th March, 2016.
13. Dr. K. P. Suresh attended seminar on Modelling for GI parasitism held at ICAR-CSWRI, Avikanagar during 17-18th March, 2016.
14. Dr. S.B. Shivachandra attended Workshop on Incubation of Incubators held at ISBA & GINSERV, Bengaluru on 18th March, 2016.
15. Dr. Rajeswari Shome attended meeting on *Brucella abortus* S-19 vaccine held at Krishi Bhavan, New Delhi on 21st March, 2016.
16. Dr. Md. Mudassar Chanda, Dr. J. Hiremath, Dr. Yogisharadhya R. and Mr. Lakshmaiah M. attended Hindi training and workshop held at ICAR-NIANP from 21-23rd March, 2016.
17. Dr. S. B. Shivachandra, Dr. V. Balamurugan, Dr. Mudassar Chanda, Dr. M. Nagalingam Dr. Manjunathreddy G B, and Dr. A. Prajapati attended National Sheep and Farmer Fair held at ICAR-CSWRI, Avikanagar on 28th March, 2016.
18. Dr. K. P. Suresh and Dr. P. Krishnamoorthy attended workshop on Geospatial analysis in agriculture and data requirement ICAR-GEOPORTAL held at ICAR-NAARM, Hyderabad during 29-30th March, 2016.
19. Dr. Jagadish Hiremath attended workshop on Operation and Maintenance of Sewage Treatment Plant and Air Pollution Control held at Embassy Information Center, Bengaluru on 31st March, 2016.
20. Shri. Rajeevalochana attended Management development programme on Public procurement conducted by National Institute of Financial Management, Faridabad during 25-30th April, 2016.
21. Dr. B. R. Shome and Dr. Rajeswari Shome attended Technology Day held at Vigyan Bhavan, New Delhi on 11th May, 2016
22. Dr. G. Govindaraj attended training on Impact assessment of Agricultural Extension at NAARM, Hyderabad during 5-10th June, 2016.
23. Dr. S.B. Shivachandra, Dr. M.M. Chanda and Dr. G.B. Manjunathreddy attended Manipal-NIVEDI-CDC hands on training on Molecular Diagnostics of Anthrax held at MVCR, Manipal University, Manipal, Karnataka during 17-19th June, 2016.

Joining/Promotion/Transfer

1. Dr. G.S Desai, Senior Scientist promoted as Principal Scientist with effect from 25th November, 2014.
2. Shri. M. Lakshmaiah, Assistant transferred to Southern Regional Station, NDRI, Bengaluru and relieved from this institute on 31st March, 2016.
3. Shri. H. S. Umesh, joined this institute as Skilled Support Staff on 31st March, 2016.

Obituary



We express our heartfelt condolence on the sad demise of Dr. Gururao S. Desai, Principal Scientist, who left to the heavenly abode on 20th June, 2016.

Trainings/Workshops organized

1. Training on Arc GIS-ERDAS for spatiotemporal disease data analysis was organized during 2-5th February, 2016.
2. Brain storming workshop on Transgenic livestock: technologies and applications was organized during 19-20th February, 2016.
3. Training on Farm Level Practices to Prevent Porcine Abortion and Piglet Diarrhea was organized on 18th March, 2016 at VIBSETI, Mandya, Karnataka.
4. Training on Brucellosis control program-strategies ahead was organized during 18-19th March, 2016.
5. Training cum workshop on To improve diagnostic capacity and foster regional co-operation for Anthrax control and prevention was organized during 14-16th June, 2016.

Distinguished visitors

1. Dr. Trilochan Mohapatra, Director General, ICAR & Secretary, DARE
2. Dr. H. Rahman, DDG (AS), ICAR
3. Dr. Ashok Kumar, ADG (AS), ICAR

4. Dr. Henry Walke, CDC, Atlanta
5. Dr. Johanna Slazer, CDC, Atlanta
6. Dr. Ben Humringhouse, CDC, Atlanta
7. Dr. Shaikh Shah Hossain, CDC, New Delhi
8. Dr. James Murrey, UK
9. Dr. Mohammad Ashraful Alam, IEDCR, Bangladesh.
10. Dr. Selina Khatun, IEDCR, Bangladesh.
11. Dr. Mohammad Mostafizur Rahman, IEDCR, Bangladesh.
12. Mr. A. M. M. Rejwenul Hoque, MOHFW, Bangladesh
13. Dr. Muhammad Waliur Rahman, IEDCR, Bangladesh.
14. Mr. Md. Saiful Islam, Assistant Scientist, IEDCR, Bangladesh
15. Dr. Rezaul Huq Khan, LRI, Bangladesh.
16. Dr. Ahmad Raihan Sharif, IEDCR, Bangladesh.
17. Dr. Farhana Haque, IEDCR, Bangladesh.
18. Dr. Zakir Hossain Habib, IEDCR, Bangladesh
19. Dr. S. R. Rao, Advisor, Dept. of Biotechnology, New Delhi
20. Dr. Mruthyunjaya, Former National Director, NAIP
21. Dr. R. K. Singh, Director, ICAR-IVRI, Barielly
22. Dr. A. K. Srivastava, Director, ICAR-NDRI, Karnal
23. Dr. B. N. Tripathi, Director, ICAR-NRCE, Hisar
24. Dr. Raghavendra Bhatta, Director, ICAR-NIANP, Bengaluru
25. Dr. G.D. Sharma, Vice-Chancellor, University of Bilaspur, Chattisgarh
26. Dr. R.N.S. Gowda, Ex Vice-Chancellor, KVAFSU
27. Dr. M. Rajasekhar, Former Project Director, PD_ADMAS
28. Dr. H.V. Batra, Former Director, DFRL, Mysore
29. Dr. Kumanan, Dean, TANUVAS, Chennai
30. Dr. C. Padma Singh, Scientist D, Dept. of Biotechnology, New Delhi
31. Dr. A. Sanyal, Joint Director, ICAR-IVRI
32. Dr. H.V. Murukar, Principal Scientist, ICAR-NIHSAD, Bhopal

Concept and Guidance : Director, ICAR-NIVEDI
Editor : **Dr. P. Krishnamoorthy**, Scientist
Co-Editors : **Dr. G. Govindaraj**, Senior Scientist, **Dr. Rajeswari Shome**, Principal Scientist
Dr. Siju Susan Jacob, Scientist and **Dr. J. Hiremath**, Scientist
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 ICAR-National Institute of Veterinary Epidemiology and
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 Post Box No.6450, Ramagondanahalli, Yelahanka,
 Bengaluru - 560064, Karnataka.
 Phone : 080-23093110, 23093111, 23093100
 Fax : 080-23093222
 Email : director.nivedi@icar.gov.in
 Website : www.nivedi.res.in
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