Greetings to all!
The New Year 2020 started with radiant and blooming scientific temper and activities as every year unfolds itself. Although, there was COVID-19 pandemic disaster sprang from February, 2020 that hampered major activities, ICAR-NIVEDI has adapted to the situation for functioning with proper safety measures. During the reporting period, 12th Research Advisory Committee meeting was conducted on 1st February, 2020 and the committee provided the necessary directions as per the mandate of the Institute. In order to execute the animal experimentations, 15th and 16th Institutional Animal Ethics Committee meetings were held during 4th January and 29th February, 2020, respectively. Institute Technology Management committee (ITMC) meetings were held on 21st, 31st January and 16th March, 2020 to review new technologies developed in the institute for patent filing, copyright certificate, etc. NCDC sponsored stakeholder review meeting for the leptospirosis control was organised at ICAR-NIVEDI on 7th March, 2020 in which medical and veterinary professionals participated and shared their experiences in leptospirosis research and control. Institute EFC meeting was held under the chairmanship of Dr B.N. Tripathi, DDG (Animal Science) on 4th June ,2020. Further, Director (IVRI), ADG (AH), Director (NIHSAD), Director (NRC on Equines) participated in the EFC discussions and provided critical suggestions. ISO 9001:2015 External Audit for ISO certificate renewal was held on 19th May, 2020 on virtual mode. ICAR-NIVEDI participated and displayed its research activities and diagnostic services and forecasting services in National Horticultural Fair, 2020 organised by IIHR during 5-8th February, 2020 to facilitate lab to field dissemination of scientific information to the farmers. International women's day was celebrated on 10th March, 2020 with Dr Chandish Ballal, Director, ICAR-NBAIR as the chief guest. Schedule Caste Sub Plan (SCSP) and Mera Gaon Mera Gaurav (MGMG) programmes were organized by the institute for the benefit of the target farmers.

Risk maps were generated for anaplasmosis in Kerala and bluetongue in Karnataka using remote sensing parameters including normalized differentiation vegetative index, land surface temperature, wind speed, maximum and
minimum rainfall generated during the period 2015-2019 by using different statistical models and machine learning algorithms. The risk maps will help the policy makers and stakeholders in devising preventive strategies against these diseases in these two states.

**Scientific Activities**

The 12th Research Advisory Committee (RAC) meeting of ICAR-NIVEDI held on 1st February, 2020 under the Chairmanship of Dr. C. Balachandran, Vice-Chancellor, TANUVAS, Chennai, reviewed the progress of Institute research activities and provided necessary guidance for improvement. The other RAC members present were Prof. Gaya Prasad, Vice Chancellor, Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut, Dr. K. Prabhudas, Former Director, PD_ADMAS, Dr. Ashok Kumar, ADG(AH), ICAR, Dr. Manoj Raje, Chief Scientist, CSIR-Institute of Microbial Technology, Chandigarh, Dr. Parimal Roy, Director, ICAR-NIVEDI, Shri Ashok Allapur, Farmer’s representative, Vijayapura, and Dr. V. Balamurugan, Principal Scientist and Member Secretary, ICAR-NIVEDI.

Dr. Parimal Roy, Director, ICAR-NIVEDI visited the AICRP on ADMAS centre in Chennai, Tamilnadu and reviewed the progress of the work undertaken by the centre. He had discussion with Shri A. Gnanasekaran, IAS, Director, Department of Animal Husbandry and Veterinary Services, Government of Tamilnadu on 26th February, 2020.

ICAR-NIVEDI, organized “Stakeholders Review Meeting for the Leptospirosis Control” sponsored by National Centre for Disease Control (NCDC), Delhi on 7th March, 2020.

The 15th and 16th Institutional Animal Ethics Committee (IAEC) meetings of ICAR-NIVEDI were held during 4th January and 29th February, 2020, respectively under the Chairmanship of Dr. Parimal Roy, Director. Dr. R.K. Shakti Devan, CPCSEA Main Nominee, Dr. Jagadish Sanganal, CPCSEA Link Nominee, Dr. Shiva Kumar, Scientist from outside the Institute, Dr. R.G. Prakash, socially aware Nominee and other IAEC members from ICAR-NIVEDI attended the meetings.

Institute Technology Management Committee (ITMC) meetings of ICAR-NIVEDI were held during 21st and 31st January and 16th March, 2020 under the Chairmanship of Dr. Parimal Roy, Director to review the technologies and patent and copyright filing, etc.
ICAR-NIVEDI January to June 2020

**Important Events**

The 71st Republic day was celebrated at ICAR-NIVEDI on 26th January, 2020 and Dr. Parimal Roy, Director addressed the staff members on this occasion.

ICAR-NIVEDI participated in the National Horticultural Fair organized by ICAR-Indian Institute of Horticultural Research during 5-8th February, 2020 and exhibited the institute research activities.

ICAR-NIVEDI organized the Annual medical health checkup for the staff members under the supervision of Dr. S. Srinivas, Chief Medical Officer, ICAR-IVRI on 26th June, 2020.

ICAR-NIVEDI celebrated the constitution day on 10th March, 2020 and created awareness on the fundamental duties of the citizens of India to the staff members and Land Legislation and Reforms.

ICAR-NIVEDI celebrated International Women's day on 10th March, 2020 with various activities and Dr. Chandish R. Ballal, Director, ICAR-National Bureau of Agricultural Insect Resources, Bengaluru participated as a chief guest and inaugurated the function.

Shri Rajeevalochana, AAO was superannuated on 30th June, 2020 and farewell function was organized.

**Swachh Bharat Abhiyan**

As part of Swachh Bharat Abhiyan, ICAR-NIVEDI created awareness on importance of wearing face mask in the
work place to staff members on 21st March, 2020. On this occasion, face masks and sanitizers were distributed to staff members. Further, within NIVEDI some of the safety measures taken up were viz., Institute entry after thermal scanning and hand sanitizing, keeping hand sanitizers in every corridor, keeping six feet social distancing in canteen and installed pedal operated sanitizer dispenser.

**Mera Gaon Mera Gaurav**

Dr. P. Krishnamoorthy, Senior Scientist created awareness on Hand hygiene and Swacchh Bharat Abhiyan programme by audiovisual aids among the school children at Government School, Kodipalya, Bengaluru Rural district on 17th February, 2020.

**Schedule Caste Sub Plan Programme**

Dr. S.S. Patil, Principal Scientist and his team members collected information of 62 beneficiaries under SCSP at Veeradinmanahalli, Challakere, Chitradurga, Karnataka on 25th January, 2020.

**Livestock Disease Investigations/Field visits**

Dr. S.S. Patil, Principal Scientist as Member, Technical Expert Committee inspected the Central cattle breeding farm, Hessarghata, Bengaluru for suitability of FMD vaccine quality test in calves under NADCP (FMD) Project on 4th February, 2020.

Dr. K.P. Suresh, Principal Scientist organized training programme on “Basics of Microsoft Excel” for beneficiaries under SCSP programme on 31st January, 2020.

Dr. Parimal Roy, Director visited the Padur, Neppurthangal, Tirumanam villages in Tiruvallur district, Tamilnadu and interacted with beneficiaries and reviewed the SCSP implementation by Dr. A. Sunderesan, PI and Dr. K. Karunanidi, Co-PI, AICRP on ADMAS centre, Tamilnadu on 26th February, 2020.
Human Resource Development

Dr. S.S. Patil, Principal Scientist participated and presented poster in 107th Indian Science Congress held at University of Agricultural Sciences, Bengaluru during 3-7th January, 2020.

Dr. R. Sridevi, Scientist attended International conference on Autophagy and Lysosomes held at Indian Institute of Science, Bengaluru during 16-18th January, 2020.


Dr. G. Govindaraj, Dr. M. Nagalingam, Dr. S.J. Siju, Scientists of ICAR-NIVEDI organized orientation workshop on 'Disease Burden Quantification in Small Ruminants and Impact of Adopting Preventive Interventions on Rural Livestock Farmers in Odisha' at ADRI, Cuttack on 27th February, 2020 and discussed the intervention plan, sample collection and monitoring activities of the project with the field veterinarians.

Awards and Recognition

- Dr. P. P. Sengupta, Principal Scientist was awarded Fellow of National Academy of Agricultural Sciences, New Delhi for the year 2020.

Patent Granted

- Indirect ELISA kit for serodiagnosis of brucellosis in livestock and humans. (Granted Patent Number 335659 dated 20th April, 2020, Inventors – Dr. Rajeswari Shome, Dr. K. Narayana Rao, Dr. Triveni K, Dr. M. Nagalingam, Dr. B.R. Shome and Dr. H. Rahman).

Patents Applied

1. Competitive ELISA for the differential diagnosis of Brucellosis infected from vaccinated bovines. (Patent application number 202041005915, 11th February, 2020, Inventors - Dr. Triveni K, Dr. Rajeswari Shome, Dr. B. R. Shome, Dr. Ashok Kumar, Dr. H. Rahman and Dr. Parimal Roy).

2. Recombinant Leptospiral surface antigen-based immuno-diagnostic test for Leptospirosis. (Patent application number 202041022882, 1st June 2020, Inventors – Dr. V. Balamurugan, Ms. A. Anusha, Ms. S. Sowjanyakumari, Dr. M. Nagalingam and Dr. Parimal Roy).

New project sanctioned

- ICAR-Agri-Business Incubator, funded by NAIF-IP and TM Division, ICAR, Government of India (PI: Dr. S. B. Shivachandra, Principal Scientist).
Participation in Meetings/Seminars/Symposia/Training

1. Dr. Parimal Roy, Director attended the interface meeting between ICAR and DAHD, Govt. of India held at Krishi Bhawan, New Delhi on 2nd January, 2020.

2. Dr. S.S. Patil, Dr. Sathish, B.S., Dr. J. Hiremath, Dr. M.M. Chanda, Scientists and Dr. R. Yogisharadhaya, Dr. A. Prajapati, Senior Technical Officers attended the 107th Indian Science Congress held at University of Agricultural Sciences, Bengaluru during 3-7th January, 2020.

3. Dr. Parimal Roy, Director attended the meeting on preparedness for sero-surveillance and sero-monitoring of FMD and Brucellosis held at Krishi Bhavan, New Delhi on 6th January, 2020.

4. Dr. Parimal Roy, Director participated as Core Committee member for finalizing the draft National Action Plan for Rabies Elimination in India (NAPRE) held at Nirman Bhawan, New Delhi on 8th January, 2020.


9. Dr. V. Balamurugan, Principal Scientist, Dr. J. Hiremath, Senior Scientist and Dr. G. B. Manjunatha Reddy, Scientist attended International Conference on Evolution of Viruses and Viral Diseases held at INSA, New Delhi during 18-20th February, 2020.


11. Dr. P.P. Sengupta and Dr. V. Balamurugan, Principal Scientists attended 20th Indian Veterinary Congress held at Madras Veterinary College, Chennai during 21-22nd February, 2020.

12. Dr. Parimal Roy, Director attended the Expert Committee meeting to discuss the National strategic road map for control and eradication of PPR held at New Delhi on 2nd March, 2020.

13. Dr. Parimal Roy, Director attended interaction meeting chaired by DDG (AS), ICAR with the Directors and Joint Directors of the Animal Science Institutes held at NASC Complex, New Delhi on 6th March, 2020.


15. Dr. Parimal Roy, Director attended virtual meeting with Secretary, DARE & DG, ICAR with Directors of ICAR Institutes held on 10th April, 2020.

16. Dr. Rajeswari Shome, Principal Scientist and Dr. R. Sridevi, Scientist attended online workshop on ‘Training Management Information System (TMIS) for HRD Nodal Officers of ICAR’ on 8th May, 2020.

17. Dr. K.P. Suresh, Principal Scientist and Dr. P. Krishnamoorthy, Senior Scientist participated in the NICRA Project Review meeting conducted by Dr. S.K. Chaudhari, DDG (NRM), ICAR held through video conferencing on 21st May, 2020.

18. Dr. R. Sridevi, Scientist participated in ICAR-NAHEP sponsored online training programme on ‘Science Communication for Smart Scholars’ held during 26th May-8th June, 2020.

19. Dr. P. Krishnamoorthy, Senior Scientist participated in the workshop on ”ICAR-KRISHI Geoportal spatial date infrastructure and application – A way forward” through online mode held on 2nd June, 2020.

20. Dr. Parimal Roy, Director and NIVEDI Scientists participated in the EFC/SFC meeting through virtual mode with Deputy Director General (AS), ICAR held on 4th June, 2020.

21. Dr. P. Krishnamoorthy, Senior Scientist participated in the National webinar on Awareness and use of CeRA resources through J-Gate discovery platform on 25th June, 2020.
Trainings/Workshops organized

1. One-day training program on ‘Basic Excel’ was organized at ICAR-NIVEDI on 31st January, 2020.

2. Orientation workshop on Disease Burden Quantification in Small Ruminants and Impact of Adopting Preventive Interventions on Rural Livestock Farmers in Odisha was organized at ADRI, Cuttack on 27th February, 2020.

3. ICAR-NIVEDI organized CDC project Scientists interface meeting with Bangalore Milk Union Limited officials on 28th February, 2020.

4. Stakeholders Review Meeting for Leptospirosis Control sponsored by National Centre for Disease Control (NCDC), Delhi was organized at ICAR-NIVEDI on 7th March, 2020.

5. Two Pre-university students were trained under SCSP programme on Microsoft word, excel and power point during 18th May-16th June, 2020.

Distinguished visitors

1. Shri. S.R. Vishwanath, MLA Yelahanka assembly constituency, Bengaluru
2. Dr. C. Balachandran, Vice-Chancellor, TANUVAS, Chennai
3. Prof. Gaya Prasad, Vice Chancellor, SVPUA&T, Meerut
4. Dr. Ashok Kumar, ADG (AH), ICAR, Krishi Bhavan, New Delhi
5. Dr. Chandish R. Ballal, Director, ICAR-NBAIR, Bengaluru
6. Dr. K. Prabhudas, Former Director, PD_ADMAS, Bengaluru
7. Dr. Ajith Shewale, Assistant Director, NCDC, New Delhi
8. Dr. Manoj Raje, Chief Scientist, CSIR-IMT, Chandigarh
9. Dr. D. Mohana Krishna, Joint Director (CDP), DPH&FW, Vijayawada
10. Dr. Sheela S, Assistant Director (Public Health), DoHS, Trivandrum, Kerala
11. Dr. A. P. Sugunan, Scientist G, National Institute of Epidemiology, Chennai
12. Dr. G. Ravi Kumar, Professor, Zoonoses Research Laboratory, TANUVAS, Chennai
13. Dr. S. Nagarathna, Professor, Dept. of Neuromicrobiology, NIMHANS, Bengaluru

Superannuation

1. Shri. Rajeevalochana, Assistant Administrative officer was superannuated on 30th June, 2020.

Concept and Guidance : Dr. Parimal Roy, Director, ICAR-NIVEDI
Editor : Dr. P. Krishnamoorthy, Senior Scientist
Co-Editors : Dr. G. Govindaraj, Senior Scientist
Dr. R. Srivedi, Scientist
Dr. M. Nagalingam, Scientist and
Dr. Siju Susan Jacob, Scientist
Published by : Director,
ICAR-National Institute of Veterinary Epidemiology and Disease Informatics (NIVEDI),
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
Printed by : CNU Graphic Printers, Bengaluru - 560003 Mob. : 9880 888 399 cnu@cnu.net.in
COVID-19 Awareness

Patients with COVID-19 have reportedly had mild to severe respiratory Illness. Symptoms can include:

- Fever
- Cough
- Shortness of breath

Symptoms may appear 2-14 days after exposure. Seek medical advice if you develop symptoms, and have been in close contact with a person known to have COVID-19. If you live in or have recently been in an area with ongoing spread of COVID-19.

World Health Organization

CORONAVIRUS
EVIDENCE REALISED

China

Symptoms

- Cough
- Shortness of breath

Who can get it?

People of all age can be infected with the new coronavirus.

Where is it spreading?

The virus is spreading in an animal-to-human sense, being spread from person to person.

Promotion

- Wash your hands often
- Avoid contact with those who are sick
- Cover your mouth and nose with handkerchief when coughing or sneezing
- Avoid touching your eyes, nose or mouth

How to reduce your risk of catching Coronavirus

Illness in spotlight

Some symptoms

- Fever, cough, shortness of breath, sore throat

Do you have it?

If you have the symptom of coughing, shortness of breath, sore throat, or fever, consult a doctor or the helpline.

Main symptoms of COVID-19

1. Fever
2. Cough
3. Shortness of breath

The virus can be spread from person to person in the following ways:

- Touching your face
- Talking to one another
- Sharing food or drinks

WHO WhatsApp No.
+4179831892
Govt. of India Ministry of Health and Family Welfare, helpline no. 101-2397048

#Stay Home, #Stay Safe
#Be Healthy
#Be Responsible
#Maintain Social Distancing

COVID-19 Awareness

ICAR-NIVEDI
January to June 2020