



ICAR – National Agricultural Higher Education Project (NAHEP) Centre for Advanced Agricultural Science and Technology (CAAST)



CENTRE OF EXCELLENCE FOR ADVANCED RESEARCH ON ANIMAL FOOD SAFETY

Mumbai Veterinary College, Parel, Mumbai-400012

**Maharashtra Animal and Fishery Sciences University, Nagpur-440001,
Maharashtra, India**

Vice-Chancellor's Message

It is matter of appreciation that “**Centre of Excellence for Advanced Research on Animal Food Safety**” established under ICAR-NAHEP-CAAST is flourishing and achieving its objectives as per the mandate of the project.



It gives me an immense pleasure to share with you that Maharashtra Animal and Fishery Sciences University, Nagpur has signed MoU with Pennsylvania State University, USA, which is an important milestone in the journey for a strong and fruitful partnership between two organisations for promotion knowledge of science and technology. This will fulfil our common ambition to contribute to global society through research and innovation.

It is a pride moment for all of us that a separate distinct website for ICAR-NAHEP-CAAST-MAFSU, Mumbai is launched harmonizing with the concept of digital India. The launched project website is aimed to keep students and researchers updated about the different activities of project undertaken and will act a platform for visibility of institute at global scale.

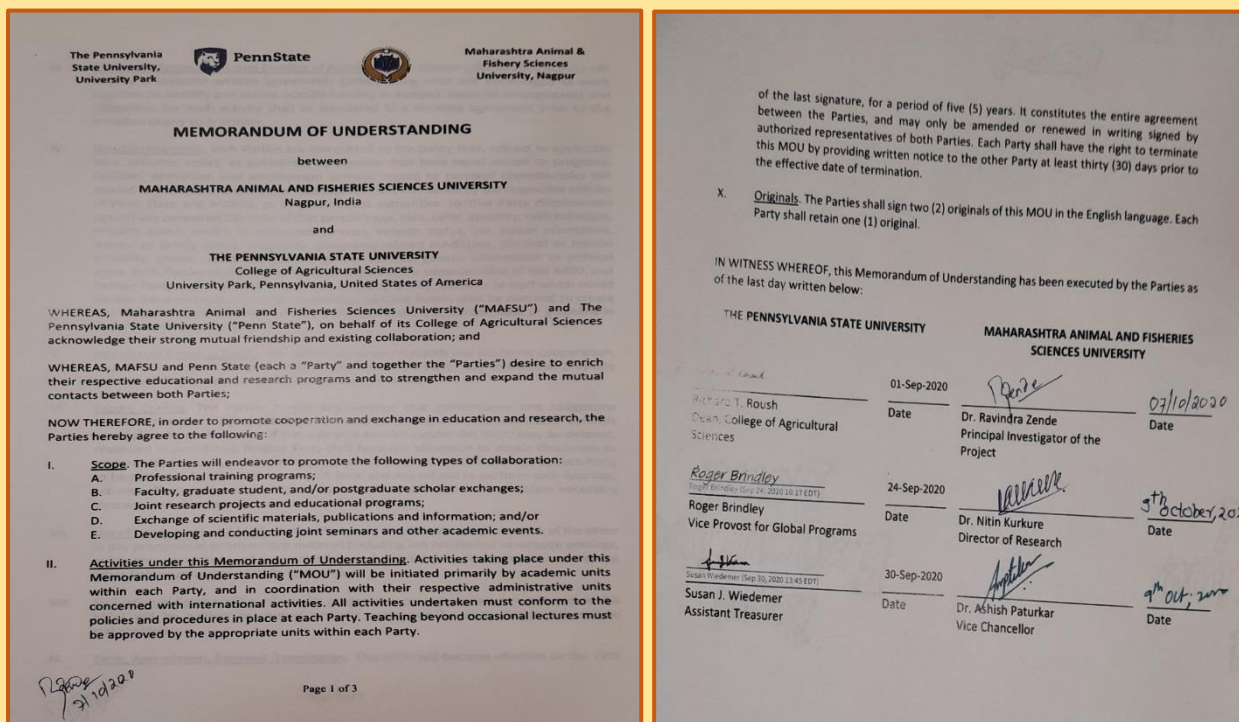
I congratulate the NAHEP-CAAST project investigator's team for organising National Webinar on the occasion of “National Milk Day” and to acknowledging the work of Dr. Verghese Kurien, Father of White Revolution in making India self-dependent in milk production. I put forth my good wishes to entire ICAR-NAHEP-CAAST project team for the successful outcome of project.

Col. (Dr.) Prof. A. M. Paturkar
Vice-Chancellor
MAFSU, Nagpur

Signing of International MoU

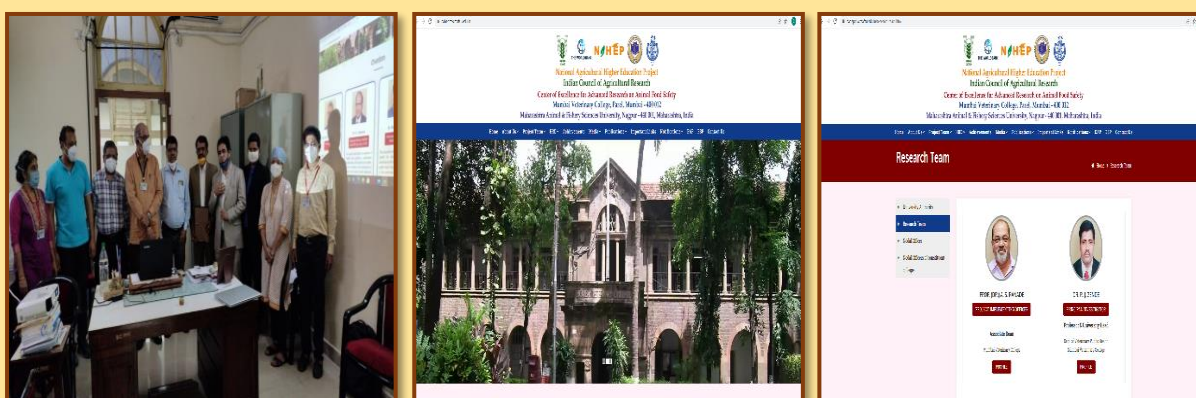
The Maharashtra Animal and Fishery Sciences University has signed Memorandum of Understanding (MoU) with Pennsylvania State University, Pennsylvania USA on 9th October, 2020. Under this MoU, the students and faculties of MAFSU will be visiting Pennsylvania State University for individual or collaborative research and training

programs. The MoU will serve as a milestone for improvement of teaching, research activities and capacity building of the University.



Implementation of MoU

Inauguration of Project Website



Inauguration of Project Website

With the tech-oriented generation we live in, information needs to be digitalised. To keep world updated about the ongoing activities of newly established "Centre of Excellence

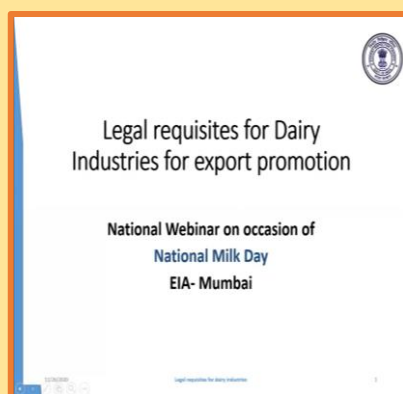
for Advanced Research on Animal Food Safety”, the project website has been developed with an objective to create a collective front to disseminate information regarding activities conducted under the project. The website <https://nahepmvcmafsu.edu.in/> inaugurated by Col. (Dr.) Prof. A. M. Paturkar, Hon'ble Vice-Chancellor, MAFSU on 17th October, 2020. This website is linked to the World Bank, ICAR and MAFSU website as well as websites of all the constituent colleges of MAFSU.

Organization of National Webinar on the Occasion of “National Milk Day” 26th November, 2020

One-day National Webinar on the occasion of “National Milk Day” was organized by the “Centre of Excellence for Advanced Research on Animal Food Safety” on 26th November, 2020. The webinar was graced by Col. (Dr.) Prof. A. M. Paturkar, Hon'ble Vice-Chancellor, MAFSU, Nagpur; Dr. R. C. Agrawal, DDG (Education) and National Director, NAHEP ICAR, New Delhi; Dr. Prabhat Kumar, National Co-ordinator, NAHEP-CAAST, ICAR, New Delhi; Dr. A. P. Somkuwar, DI & Dean, Faculty of Veterinary Science, MAFSU, Nagpur; Dr. N. V. Kurkure, Director of Research MAFSU, Nagpur and

Dr. V. D. Aher, Director of Extension Education, MAFSU, Nagpur. Dr. R. K. Ambadkar, Former Associate Dean, Nagpur Veterinary College, Nagpur. Dr. A. S. Ranade, Associate Dean and Dr. R. J. Zende, PI, NAHEP-CAAST were Course Directors of the program.

During technical session, Dr. P. G. Wasnik, Dean, Faculty of Dairy Technology, MAFSU, Nagpur acted as Chairman; Dr. R. K. Ambadkar, Former Associate Dean, Nagpur Veterinary College, Nagpur acted as Co-Chairman and Dr. M. P. Sawane, Nodal Officer-PMTS, NAHEP-CAAST acted as Rapporteur.



Celebration of National Milk Day

Two lectures were organized for faculties, students, veterinary officers, industry personnel, farmers, dairy entrepreneurs and other stake holders from milk industry.

Shri Arun Patil, Chairman Indian Dairy Association (IDA) -West Zone and Former Executive Council Member, MAFSU, Nagpur shared resourceful insights through his talk on “Current Status, Future Prospects and Challenges of Milk Industry in India”. He informed the audiences about the vast scope and bright future of dairy industry in India.

Ms. Mamta Rani, Deputy Director, Export Inspection Agency, Mumbai Region, Government of India, delivered her lecture on “Legal Requirements for Dairy Industries for Export Promotion”. She discussed the various requirements for export of dairy products to various destinations across the world. The webinar concluded after question-answer session where queries of industry personnel, farmers, students etc. were addressed by the speakers. A total of 86 participants across the country attended the webinar.

Development and Expansion of Infrastructure Facilities

Department of Veterinary Public Health, Mumbai Veterinary College with its “Western Region Referral Laboratory for Meat and Meat Products Quality Standards” has NABL accreditation and involved in analysis of different animal origin foods. To create a stronger foothold, a state-of-art infrastructure has been developed under ICAR-NAHEP-CAAST-MAFSU project where the existing laboratory has been upgraded to “Centre of Excellence for Advanced Research on Animal Food Safety”. The Chemical Residue Analysis Laboratory is equipped with modern high-cost equipment's viz. ICPMS, LCMS/MS-QQQ,



Liquid Chromatography Tandem
Mass Spectrometry



Inductively Coupled Plasma
Mass Spectrometry

Microwave Digestion System and Ultrapure Water System will be used for the analysis of antibiotics, pesticides, heavy metal residues from various matrices such as chicken, meat, fish, egg etc.



Ultra-pure Water System



Microwave Digestion System

The integrated clean room will have the facilities of Biosafety Cabinet Class III with anaerobic work station for extensive microbiological analysis of food samples. The laboratory is equipped high-cost modern Vitek-2 compact system, Real Time-PCR, modern microscopes including Dark Field Microscope.



Integrated Clean Room



Biosafety Class III Cabinet



Anaerobic work station



Vitek 2 Compact system



Dark Field Microscope



Real Time- PCR

To cope up with the requirement of online teaching, research and training, a modern and well-equipped Virtual Classroom has also been created. The virtual classroom is designed for 40 trainees and is used for conducting national and international trainings, webinars and other virtual program.



Virtual Class Room

Important Meetings Attended

Dr. R.J. Zende, Principal Investigator, all the Co-PIs and Nodal Officers, NAHEP-CAAST-MAFSU attended the 'Mid-term review' meeting of world bank conducted on 9th to 11th September 2020. Principal Investigator Dr. R. J. Zende explained about the measurable and intermediate outcomes of project. Dr. R. C. Agrawal, National Director, NAHEP and DDG (Education) ICAR, New Delhi; Dr. Prabhat Kumar, National Co-ordinator, NAHEP-CAAST, ICAR, New Delhi; Shri. Dilip Roy, Deputy Secretary, ICAR-NAHEP-CAAST conducted the meeting.

Dr. R.J. Zende, Principal Investigator, all the Co-PIs and Nodal Officers NAHEP-CAAST-MAFSU attended the 'Procurement Clinic meeting' held on 10th October 2020 to discuss about the post procurement issues. Dr. R. C. Agrawal, National Director, NAHEP and DDG (Education) ICAR, New Delhi; Dr. Prabhat Kumar, National Co-ordinator, NAHEP-CAAST, ICAR, New Delhi; Shri. Dilip Roy, Deputy Secretary, ICAR-NAHEP-CAAST conducted the meeting. Dr. R. J. Zende, Principal Investigator and Dr. V. M. Vaidya, Nodal Officer, Procurement cell presented the progress of the procurement carried out under the project.

Upcoming Events

December 2020- February 2021

Sr. No.	Trainings/Workshops/Important events
1.	Soft Skill and Personality Development for Improving Higher Education
2.	Important Meeting Attended
3.	Development of Professional Etiquettes and Soft Skills for Improving Higher Education
4.	Recent Advances in Quality Assurance of Meat and Meat Products
5.	Implementation of MoU



University Authorities	
Name and Designation	
	Col. (Dr.) Prof. A. M. Paturkar Vice-Chancellor MAFSU, Nagpur
	Dr. A.P. Somkuwar Director of Instructions and Dean (Veterinary science) MAFSU, Nagpur
	Dr. N. V. Kurkure Director of Research MAFSU, Nagpur
	Dr. V. D. Aher Director of Extension Education MAFSU, Nagpur
	Dr. P. G. Wasnik Dean, Faculty of Dairy Technology MAFSU, Nagpur
	Mr. Chandrabhan Parate Registrar MAFSU, Nagpur
	Mr. D. B. Raut Comptroller MAFSU, Nagpur

Research Team			
Project Implementing Officer NAHEP-CAAST		Principal Investigator NAHEP-CAAST	
	Dr. A. S. Ranade Associate Dean Mumbai Veterinary College, Mumbai		Dr. R. J. Zende Professor and Head Department of Veterinary Public Health MVC, Mumbai

Co-Principal Investigators		
Sr. No.	Name and Designation	
1		Dr. V. M. Vaidya Assistant Professor Department of Veterinary Public Health MVC, Mumbai
2		Dr. S. D. Ingole Professor Department of Veterinary Physiology MVC, Mumbai
3		Dr. R. V. Gaikwad Professor Department of Veterinary Medicine MVC, Mumbai
4		Dr. B. N. Ramteke Professor Department of Animal Nutrition MVC, Mumbai
5		Dr. (Mrs.) Rajashree S. Gandge Professor Department of Veterinary Microbiology MVC, Mumbai

6		Dr. G. P. Bharkad Associate Professor Department of Veterinary Parasitology MVC, Mumbai
7		Dr. V. H. Shukla Assistant Professor Department of Livestock Products Technology MVC, Mumbai
8		Dr. P. V. Meshram Assistant Professor Department of Veterinary Pathology MVC, Mumbai
9		Dr. S. A. Ingle Assistant Professor Department of Animal Biotechnology MVC, Mumbai

Team Leader:

Col (Dr.) Prof. A. M. Paturkar
Vice-Chancellor
MAFSU, Nagpur-440001.

Principal Investigator:

Dr. R. J. Zende
ICAR-NAHEP-CAAST-MAFSU
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Dr. V. M. Vaidya
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Dr. G. P. Bharkad

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Mr. Akshay S. Kolekar
Mr. Sahil. M. Hake

Book Post



To,

If undelivered please return to:
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on Animal Food Safety,
Department of Veterinary Public Health and
Epidemiology,
Mumbai Veterinary Collage,
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