

ICAR Sponsored Winter School

on

Mitigation strategies to manage AMR and Zoonosis to ensure food safety

December 18, 2023 – January 07, 2024



Sponsored by:

Education Division

Indian Council of Agricultural Research

KAB-II, New Delhi

Organized by:

Department of Veterinary Public Health and Epidemiology

College of Veterinary and Animal Sciences

**G B Pant University of Agriculture and Technology, Pantnagar-263145, (Uttarakhand)
India**

Background

Antimicrobial resistance (AMR) and zoonotic diseases pose significant threats to global food safety, necessitating comprehensive mitigation strategies to safeguard public health. AMR occurs when microorganisms develop resistance to the drugs designed to eliminate them, while zoonotic diseases are infectious diseases that can be transmitted between animals and humans. The intersection of these challenges demands a multifaceted approach to mitigate their impact on food safety.

One crucial strategy involves promoting responsible antimicrobial use in both human and veterinary medicine. Encouraging judicious use of antibiotics, implementing strict prescription regulations, and educating healthcare professionals and farmers about the consequences of overuse are vital steps. Enhancing surveillance and monitoring systems is another key aspect of mitigation. Timely detection of emerging infectious diseases and monitoring the prevalence of AMR allows for swift intervention and containment. Integrated surveillance systems that span human and animal health, as well as environmental monitoring, can provide a holistic understanding of the dynamics of zoonotic diseases and AMR.

Educating the public about safe food handling practices and the risks associated with zoonotic diseases promotes a proactive approach to food safety. Empowering consumers to make informed choices about their food consumption habits can contribute to reducing the spread of infectious diseases through the food chain.

Course Content

The present winter school envisages broad topics related to the theme that include but not limited to:

- Present status of antimicrobials, zoonoses and food safety
- Mechanisms of development of AMR and its mitigation.
- Climate change and menace of AMR
- Accreditation of research tools, IPR issues and technology transfer.

Eligibility and Application Procedure

Assistant Professor and above / Scientist / Researcher working at Central / State Government SAUs / KVK / CAU / Veterinary Universities may apply for this Winter School. The course will be of interest for persons working in diverse disciplines like Public Health, Epidemiology, Microbiology, Pharmacology, Pharmacy, Pathology, Biochemistry, Biotechnology, Parasitology, Animal Genetics, Medicine and other relevant disciplines. A total of 25 candidates shall be selected for the course based on the eligibility criteria as per ICAR guidelines.

The interested candidates can apply online at <https://cbp.icar.gov.in/>. All kinds of instructions related to application are available on this link. The candidates should remember that they need to take the approval of the competent authority of the institution / university / college for application in advance. The selection will be made only if the application duly recommended by the competent authority is received. Upload the scanned copy of the duly approved application through Capacity Building Programme (CBP) Portal. Also send a copy of the same to Dr. Maansi, Assistant Professor and Course Coordinator, on or before 8th December, 2023. A registration fee Rs. 100.00 should be submitted through RTGS/NEFT or any other on line in account of Comptroller, G. B. Pant university of Agriculture @ Technology, Pantnagar (A/C No. 10773371506, IFSC Code SBIN0001133, SBI, Pantnagar), the details of which should accompany the application form. Participants are expected to deliver a short seminar highlighting their activities in the parent organization.

Boarding and Lodging

The participants will be reimbursed to and fro travel fare by the shortest rail (AC II Tier) / road route as per ICAR norms on production of valid travel documents. Outstation participants will be provided free boarding and lodging at the University guest house. The weather at Pantnagar during

the period of winter school will be too cold with temperature ranging from 10 – 18°C. Woollens are preferred during the period of stay.

Location

Pantnagar is well connected by rail and road to Delhi, Dehradun, Lucknow and Bareilly. Trains are available from Delhi to Lal Kuan, Lucknow to Lal Kuan/Pantnagar, Dehradun to Lal Kuan and Bareilly to Pantnagar/Lal Kuan. Buses are available from Anand Vihar ISBT (Delhi), Moradabad and Rampur to Rudrapur (nearest city/district HQ about 14 km from Pantnagar) as well as from Bareilly to Pantnagar. Flights are also available between New Delhi and Pantnagar four times a week (i.e. on Tuesday, Wednesday, Friday and Sunday).

Certificate

A certificate will be awarded to the participants on the successful completion of the course.

The University

Govind Ballabh Pant University of Agriculture & Technology, Pantnagar is the first Agricultural University of India established in 1960. It is situated in the foot hills of Himalayas in Uttarakhand state. It lies at an altitude of 243.8 m above the mean sea level and 29° N latitude and 79° E longitude. This university is called as the harbinger of the green revolution in India. It has always been at the forefront in agricultural development and has emerged as the model university in the country. The University has been bestowed upon with “Best Institution Award” twice in year 1997 & 2005 by Indian Council of Agricultural Research, New Delhi. During 2015, 2016 and 2017 the university was consecutively declared as best university of Uttarakhand. Moreover, in 2017 the university was declared to be most neat and clean (Swachh) Government Institution of India under ‘Swachh Bharat Abhiyan’. Recently University has also acquired prestigious space in QS World ranking.

About the Department

The department started functioning since inception of the G.B. Pant University of Agriculture and Technology. Since inception, the department has been actively engaged in research on microbial toxicology, sanitary quality of water, milk and meat, exploring antimicrobial resistance and sero-diagnosis of zoonotic diseases. Pioneering work has been done in the areas of meat speciation/differentiation, enterotoxins of Salmonella, Escherichia coli and Yersinia enterocolitica, elucidation of the mechanism of microbial drug resistance and pesticide residues in foods of animal origin. The faculty of the department has published 11 books, 12 manuals, 5 monographs, 2 compendia and one research bulletin in addition to a total of about 350 research and more than 250 semi-technical papers on various aspects.

Important Dates

Last date for application receipt:

08th December, 2023

Notification of selection:

10th December, 2023

Chief Patron

Dr. M. S. Chauhan

Vice Chancellor

Patrons

Dr. S.P. Singh

Dean College of Veterinary and Animal Sciences

Dr. A.S. Nain

Director Experiment Station

Course Director

Dr. A. K. Upadhyay

Professor and Head

Department of Veterinary Public Health and Epidemiology

Course Coordinators

Dr. Rajesh Kumar

Professor and Head

Department of Veterinary Microbiology

Dr. Maansi

Assistant Professor

Department of Veterinary Public Health and Epidemiology

Contact for further details

Dr. Maansi, M.V.Sc., Ph.D.,

Course Coordinator

Assistant Professor

Department of Veterinary Public Health and Epidemiology,

College of Veterinary and Animal; Sciences

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APPLICATION FORM
(To be sent to the Course Director)

1. Full Name (Block letters) :
2. Date of birth :
3. Designation :
4. Present employer with address :
5. Address for correspondence with :
- Telephone / Mobile number, :
- Fax number and Email :
6. Sex :
7. Teaching/Research/Professional :
- experience (Mention post(s) held :
- during the last 5 years):
8. Mention if you have participated in :
- Winter/Summer school or short courses :
- during the last 5 years:
9. Publications (attach list): :
10. Academic qualifications starting from :
- graduate level

Name of Degree	University	Year of Passing	Major Subject

11. NEFT / RTGS on line payment Reference details _____ Dated _____ of Rs. 100/- (Non-refundable), for registration of application.

Signature of candidate

CERTIFICATE

It is to certify that the information furnished was verified and found correct.

Signature with date,
Designation of the sponsoring authority
(Office seal)