

/Parasitology/ Pathology/ Biotechnology/Environmental Sciences.

- The participant should be a Govt. employee holding the rank equivalent of Scientist/Assistant Professor or Officer in State Departments/public health labs under Veterinary/Agricultural Universities/ICAR Institutes/Medical Colleges /Public Health Institutes/State Disease Diagnosis.
- The number of participants will be restricted to 15. The candidates will be selected on decided criteria.

Accommodation

The participants from institutes outside Nagpur would be provided free lodging and boarding at University guest house on twin sharing basis as per the availability. The weather in Nagpur is likely to be pleasant.

Travel

Nagpur is easily accessible and well connected by air, rail and road. Nagpur Veterinary College is 8 km from railway station, 15 km from air port and 10 km from Nagpur bus stand. The selected participants are advised to make their return journey reservation in advance to avoid any inconvenience. Travel Allowance (restricted to IIIAC) will be paid to the participants.

Dates & duration:

March, 12-16, 2019 (5 days)

Applications may be sent through proper channel to:

Dr. S. P. Chaudhari

Principal Investigator and Training Coordinator

E-mail: vphsandeep@gmail.com

Contact no: 9766788615

Training Co-coordinators

Dr.N.V.Kurkure

Professor & Head

Dr.S.V.Shinde

Assistant Professor

Dr.W.A.Khan

Assistant Professor

Please note that

- Last date for receipt of applications is 8th March, 2019.
- The candidate may submit an advance on-line application through e-mail. However, the applications through proper channel must reach the destination not later than 8th March, 2019.
- Candidates are requested to furnish their mobile/landline telephone number, e-mail and fax to maintain for speedy correspondence and are advised to maintain a liaison with coordinator on phone and email.
- The candidate will be informed about his/her selection in due course by e-mail, fax or telephone.

In case any selected candidate makes last minute cancellation due to some unavoidable circumstances, he may please intimate the organizers by e-mail/fax or phone by 10th March, 2019 to accommodate other participant(s) in waiting.



MALDI-TOF

BacT Alert System and Vitek 2



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Sponsored by

Indian Council of Agricultural Research,
New Delhi

National Training on "Advances in Zoonoses Diagnosis"

March 12-16, 2019

Under the aegis of

ICAR-Niche Area of Excellence Programme on

"Centre for Zoonoses"



Organized by

Nagpur Veterinary College
Maharashtra Animal and Fishery
Sciences University, Nagpur

About the Institute

The Nagpur Veterinary College was established on 1st July 1958 with only three departments viz. Anatomy, Physiology and Animal Husbandry. During 1968-2001, the college was brought under the administrative control of Maharashtra Krishi Vidyapeeth and subsequently under Dr Punjabrao Deshmukh Krishi Vidyapeeth, Akola. The degree course (B.V.Sc. & A.H.) of four & half years was offered. In the year 2000, with the establishment of an independent Animal & Fishery Sciences University i.e., Maharashtra Animal & Fishery Sciences University (MAFSU) in the state; institute became constituent college of the university. Presently the institute is dedicated to imparting B.V.Sc. & A.H. degree courses of five years as per the VCI norms, postgraduate (M.V.Sc.) and doctoral courses (Ph.D.) courses as per ICAR norms.

About Centre for Zoonoses

The world is familiar with the global threats of zoonotic infections, which bring fear to populations in both developed and developing countries. Episodes of the zoonotic diseases including those of emerging ones have increased globally due to several factors like rapid growth in human population, rapid urbanization, rapidly changing farming systems, forest encroachment, proximity between livestock and wildlife and other changes in ecosystems. In recent years, One Health (OH) approach to manage endemic and emerging/re-emerging zoonotic diseases has been promoted by international human and animal health agencies. In order to achieve the OH objective, the Indian Council of Agricultural Research (ICAR) and Indian Council of Medical Research (ICMR), New Delhi have joined hands to conduct research activities to combat zoonoses. The Niche Area of Excellence Program on 'Centre for Zoonoses' was sanctioned by Indian Council

of Agricultural Research, New Delhi at Nagpur Veterinary College, Nagpur. Similarly, the Indian Council of Medical Research has also funded the research activities on the same lines at Central India Institute of Medical Sciences (CIIMS), Nagpur and Mahatma Gandhi Institute of Medical Sciences (MGIMS), Sewagram. All the three institutes are working in collaboration on common objectives on select zoonotic diseases such as Leptospirosis, Brucellosis, Listeriosis, Tuberculosis, Scrub Typhus, Rota Viral infection etc. The ICAR Niche Area of Excellence "Centre for Zoonoses" at Department of Veterinary Public Health, Nagpur Veterinary College has been fully equipped with advanced state of the art facilities such as MALDI-TOF, Vitek 2, BacT Alert, Biosafety cabinet (Class II B2 with virus burn out unit and 100% exhaust), Sonicator, ELISA test reader, automated Gram staining machine, inverted microscope, Dark field microscope, Fluorescent microscope, CO₂ incubator, Deep freezers (-20 & -80°C) etc. to conduct the research activities on various aspects of zoonotic diseases.

The Centre with its medical collaborators; CIIMS, Nagpur and MGIMS, Sewagram is actively engaged in research activities on zoonotic diseases for understanding of the ecology of zoonotic infections/pathogens through molecular surveillance, study of pathobiology, genomics, and metagenomics etc. The centre is also engaged in capacity building of the scientists, teachers, researchers, health professionals, wild life experts, environmental scientists, etc. on above aspects of emerging and reemerging zoonoses.

About the training

The world is familiar with the global threats of zoonotic infections, which bring fear to populations in both developed and developing

countries. Episodes of the zoonotic diseases including those of emerging ones have increased globally due to several factors like rapid growth in human population, rapid urbanization, rapidly changing farming systems, forest encroachment, proximity between livestock and wildlife and other changes in ecosystems. Most of the zoonoses are 'neglected' and thus achieve endemic nature. Such neglected zoonoses include brucellosis, bovine tuberculosis, leptospirosis, Crimean Congo hemorrhagic fever (CCHF), Japanese encephalitis (JE), scrub typhus etc which bear substantial burden on human health and livelihood.

Capacity building of the scientists, researchers, health professionals, wild life experts, environmental scientists and academicians is one of the important aspect to achieve dreams of one health. The present National workshop is planned so that the professional will be acquainted with the latest developments in the field of diagnosis of zoonotic pathogens.

The training is focused on:

The training is focused on various aspects of diagnosis and will consist of a generous blend of lectures, group discussions and practical sessions conducted by experienced staff and guest faculty of National and international repute on various aspects of zoonotic pathogens.

The practical sessions will provide excellent opportunity for the participants to gain hands on experience about various advanced molecular/genomic techniques such as metagenomics, Pulsed Field Gel Electrophoresis (PFGE), MALDI-TOF, PCR, qPCR etc.

Eligibility for participation

- Bachelor Degree in Veterinary Sciences /Medical Sciences /Masters' Degree in Veterinary with specialization in Public health/Epidemiology/Microbiology