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INDIAN COUNCIL OF
MEDICAL RESEARCH

NIREH
NATIONAL INSTITUTE FOR RESEARCH
IN ENVIRONMENTAL HEALTH

One Week National Workshop on Application of Statistics in Environmental Health Research

December 02-06, 2024

Division of Biostatistics & Bioinformatics,
ICMR- National Institute for Research in Environmental Health,
Bhopal Bypass Road, Bhauri, Bhopal- 462030, M.P., India

Click here to apply on/before 05.11.2024
<https://forms.gle/Tq6cPa4mtfphAuZF6>

About the Institute:

The Indian Council of Medical Research (ICMR) established the National Institute for Research in Environmental Health (NIREH) in Bhopal on October 11, 2010. This institute aims to address environmental health issues and develop research capabilities to tackle challenges posed by environmental disasters in India. NIREH focuses on capacity building and implementing health interventions, positioning itself as a centre of excellence in this critical area.

About the Training:

The Division of Biostatistics & Bioinformatics at the National Institute for Research in Environmental Health is organizing a week-long training program titled "Application of Statistics in Environmental Health Research." This training aims to offer participants in-depth knowledge and hands-on experience in applied research methodology within the environmental health sciences field. The program will be fully residential, featuring classroom sessions, group discussions, and both individual and group presentations to facilitate comprehensive learning and engagement.

Training contents:

The training program will encompass a comprehensive range of topics essential for researchers in environmental health. Participants will receive an introduction to database management, learning how to effectively organize and handle data. The course will include in-house-sessions on data visualization techniques to enhance the presentation of findings. Additionally, it will cover descriptive and analytical research study designs, helping participants understand how to formulate and execute their research questions. Key concepts of association and causation will also be explored, distinguishing between correlation and causative factors. Basic biostatistics will form a foundational component, equipping attendees with essential statistical skills. To ensure practical application, the program will provide hands-on training in data management using tools such as CPro, Excel, SPSS and R Software, empowering participants to analyze and interpret data effectively in their research endeavors.

Eligibility: Master's & Doctoral scholars of Biostatistics/Bioinformatics/Statistics/Environmental Science/Public Health/Community Medicine/Epidemiology/Population Studies/Development Studies including M.B.B.S. interns.

Selection: Procedure of screening and selection will be done, by a duly constituted selection committee, based upon the academic credentials. The list of shortlisted candidates will be posted at Institute's website in the 2nd week of Nov 2024.

Seats: Only 20 candidates will be shortlisted for this training program, ensuring an intimate learning environment that promotes interaction and personalized guidance.

Registration Fees: **Rs. 1,000/- (non-refundable)**, selected candidates will have to pay registration fees. The registration fees for the training program will cover course materials and hostel accommodation for five days. The campus offers a canteen facility where students and staff can access food services on a direct payment basis.

IMPORTANT INSTRUCTIONS

- i. Shortlisted candidates must provide a "Letter of Authentication" from their Supervisor, Head of Department, or Head of the Institute, confirming their association with the institution.
- ii. Participants are responsible for making their own travel arrangements to and from the venue.
- iii. Students must adhere strictly to institutional norms and complete the full duration of the training program.
- iv. Certificates will only be issued upon successful completion of the training. No requests for exceptions or interim certificates from students or their host institutions will be entertained.

Chief Patron: Dr. Rajnarayan R. Tiwari, (Director, ICMR-NIREH)

Coordinator: Dr. Dharma Raj, (Scientist-B)  dharamr.nireh@icmr.gov.in

Organising Committee: Dr. Sindhuprava Rana, (Scientist-C)
Mrs. Greeshma C Ravindran, (Scientist-C)



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