



icmr | **NIREH**
INDIAN COUNCIL OF
MEDICAL RESEARCH | NATIONAL INSTITUTE FOR RESEARCH
IN ENVIRONMENTAL HEALTH



ICMR – National Institute for Research in Environmental Health
Bhopal Bypass Road, Bhauri, Bhopal – 462 030, Madhya Pradesh, India
(<https://nireh.icmr.org.in>)

High End Workshop High end workshop on geoinformatics applications in environmental research

(18th to 24th January 2023)

Sponsored by

Accelerate Vigyan Scheme, Scientific and Engineering Research Board (SERB),
Department of Science and Technology (DST), Government of India

Geoinformatics is the art, science or technology dealing with the acquisition, storage, processing production, presentation and dissemination of geoinformation. Geoinformatics have tremendous scope in environmental research which demands analysis of complex geotagged data from wide variety sources ranging from GPS coordinated up to remote sensing images. Present workshop aims to provide in-depth knowledge along with hands on training on applied aspects of geoinformatics applications in the field of environmental sciences. The workshop will cover following important topics

- Global positioning system (GPS)
- Satellite image processing and information extraction
- Remote sensing and machine learning for disease prediction
- Digital Image Processing
- 3 D modelling
- Change detection analysis

The faculty for this course will be the speakers with national and international research exposure, having experience in the field of Geoinformatics and Environmental Health.

Teaching and Learning Methods: The workshop will include class room sessions, hands-on training, group discussions, individual and group presentations and field visits.

Eligibility

1. Masters' students/ currently enrolled in Environmental Science / Public Health / Community Medicine / Population Studies / Developmental Studies / Planning and Architecture
2. Doctoral students currently enrolled in Environmental Science / Developmental Studies / Public Health / Community Medicine / Population Studies pursuing research in Geoinformatics and Environmental Health.

Seats: Only 25 (twenty-five) candidates will be shortlisted for the training.

Venue: Department of Environmental Health and Epidemiology, ICMR-National Institute for Research in Environmental Health, Bhopal

Certificates: The course certificate will be given to all the participants who will attend the complete workshop, and all sessions each day.



icmr **NIREH**
INDIAN COUNCIL OF
MEDICAL RESEARCH | NATIONAL INSTITUTE FOR RESEARCH
IN ENVIRONMENTAL HEALTH



Application procedure: Applications in the prescribed format along with necessary enclosures should be submitted through Google Form on or before **20/11/2022**.

Selection: Procedure of screening and selection will be done, by a duly constituted selection committee, based upon the academic credentials and write-up which is to be uploaded while submitting the application form. Students have to submit Short write up (600 – 800 words) to justify their current research need to undergo training on workshop contents in context of SDGs.

The list of shortlisted candidates will be posted at Institute's website in last week of November 2022.

Fees: There are no registration fees. Shortlisted candidates shall be reimbursed to and fro 3rd AC travel expenses by the shortest route. Candidates will also be provided boarding and lodging at ICMR-NIREH campus, Bhopal.

IMPORTANT INSTRUCTIONS

- Only currently enrolled students in postgraduate programmes / Ph.D. in the mentioned disciplines need to apply.
- Before the start of filling the application form, keep the following documents ready (in .pdf format only, not more than 8 MB):
 - a. Graduation final year / final semester mark-sheet.
 - b. Ph.D. enrollment / registration certificate.
 - c. Short write up (600 – 800 words).
- Only required documents should be uploaded.
- Applications submitted through Google form only shall be entertained. Any other form of application will not be considered.
- Shortlisted candidates have to produce a “Letter of Authentication” from their Supervisor / Head of the department / Head of the Institute indicating their association with the institute and “No Objection Certificate (NOC)” for allowing them to undergo training.
- Only relevant queries, sent to gis.nireh@gmail.com shall be entertained.

LINK TO APPLY

<https://forms.gle/He9uzKFEGs9rUeCw6>

Work shop coordinators

Dr. Yogesh Sabde,

Scientist F and Head, Environmental Health and Epidemiology,
ICMR - National Institute for research in Environmental Health, Bhopal

Dr. Alok Choudhary

Senior Principal Scientist & Head, GIS & Image Processing Division,
MP State Remote Sensing Applications Centre, MPCST, Bhopal.

Kumar Gaurav (PhD.)

Assistant Professor, Earth & Environmental Sciences
IISER Bhopal