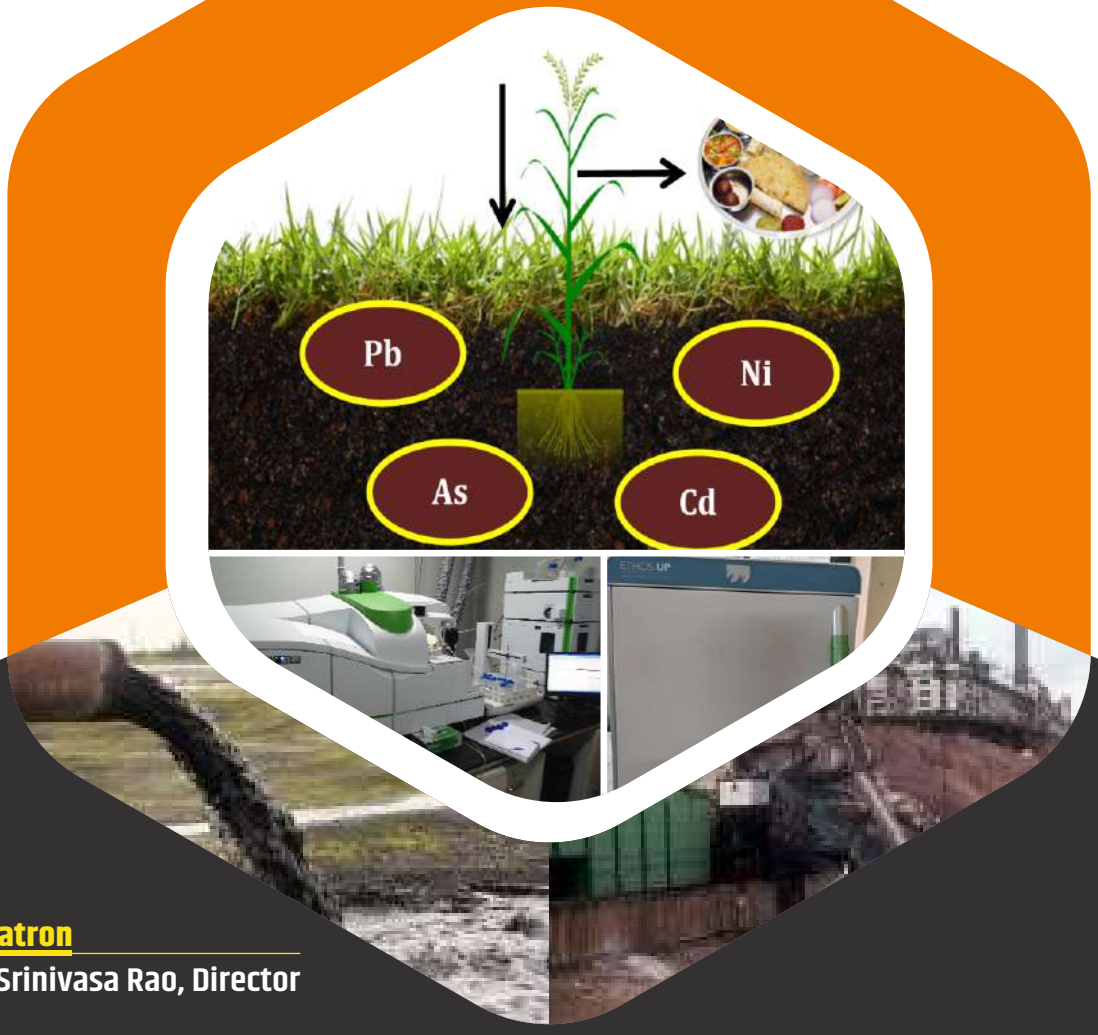
ICAR Sponsored Winter School
on

Advanced Tools and Techniques for Assessment and Management of Pollutants in Soil-Plant-Human Continuum

24 February to 16 March, 2026



Chief Patron
Dr. Ch. Srinivasa Rao, Director

Course Director
Dr. Debashis Mandal, Head

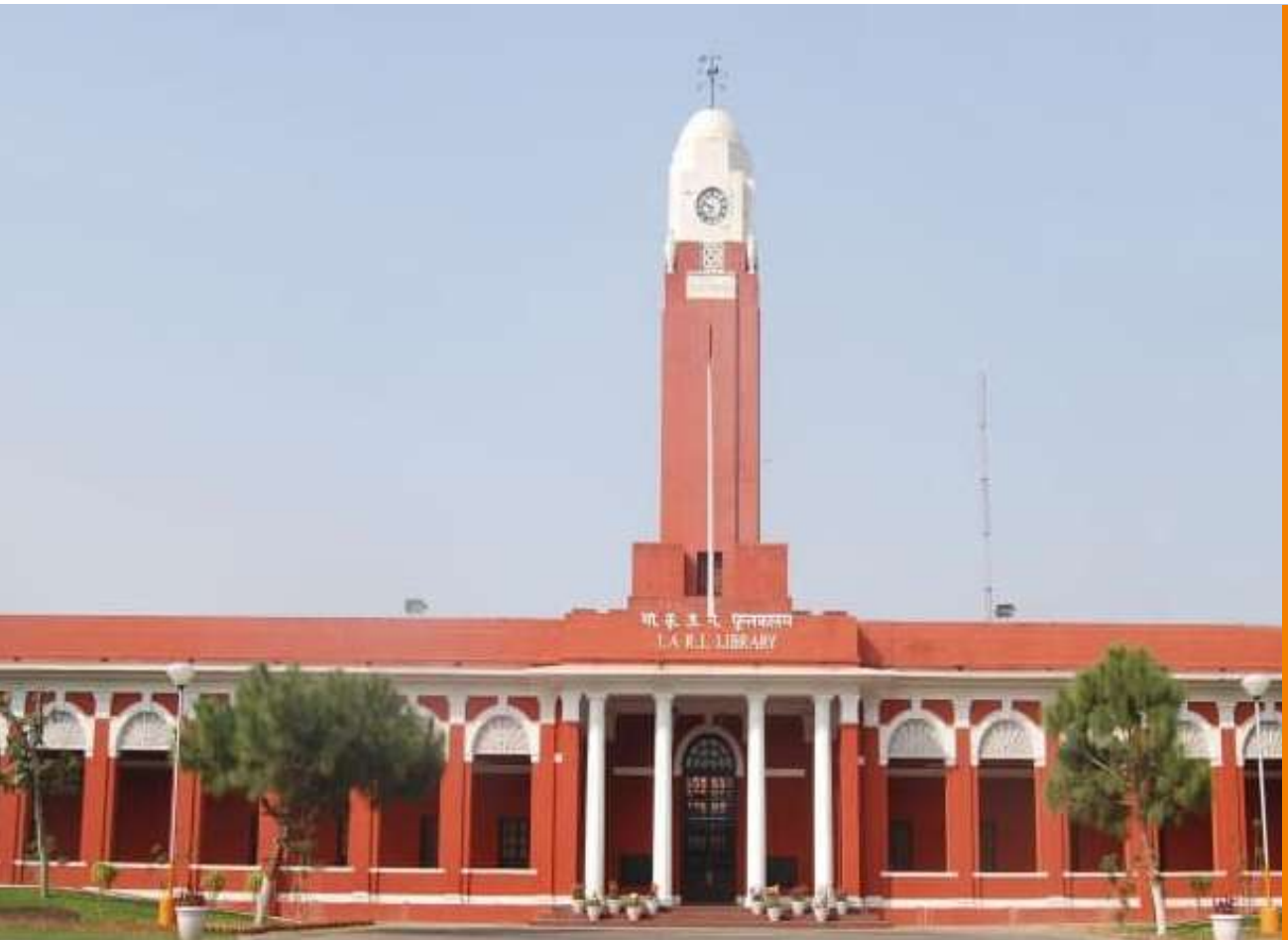
Course Coordinator
Dr. Debasis Golui, Scientist
Dr. Prasenjit Ray, Scientist

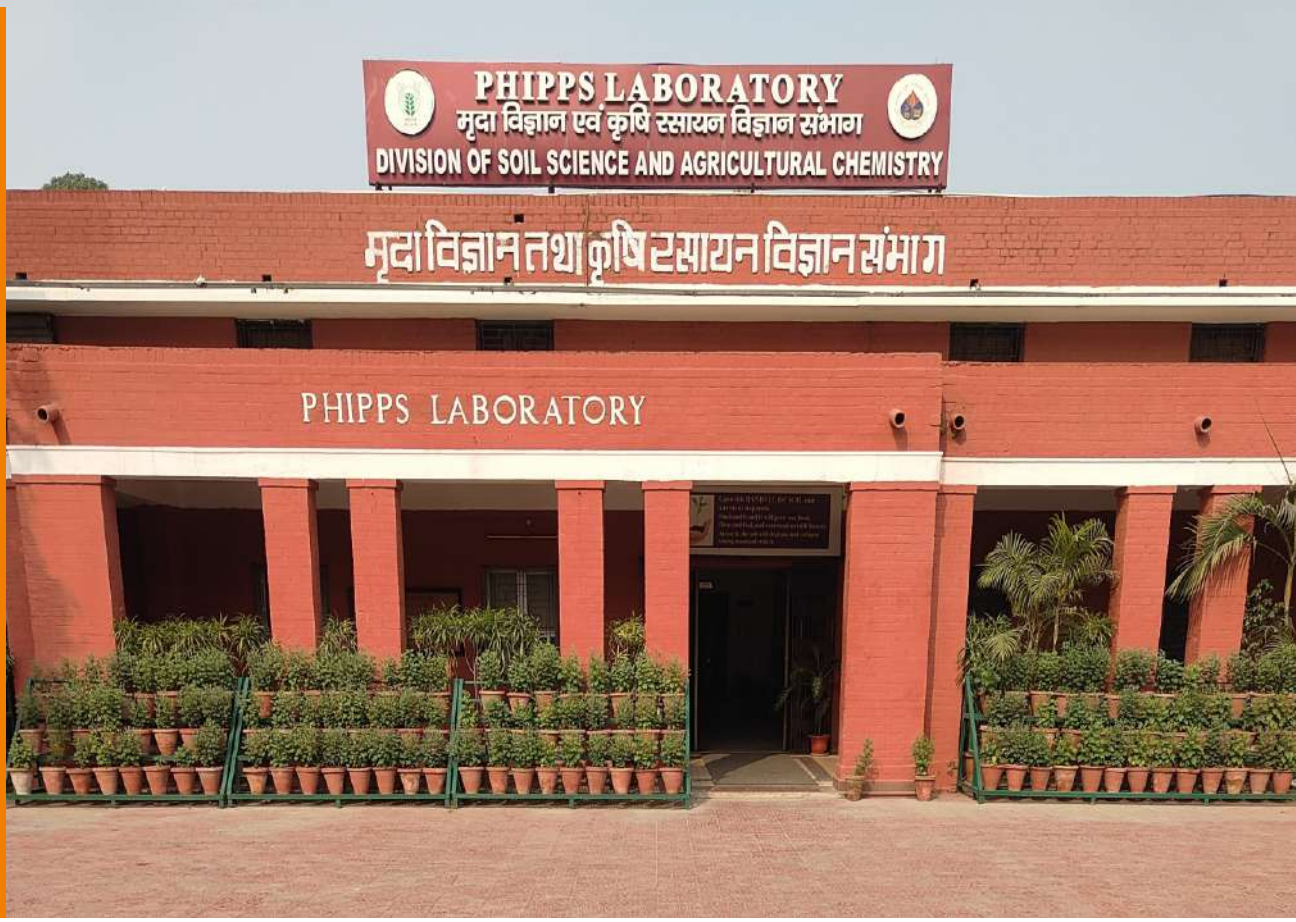
Patron
Dr. Anupama Singh, Joint Director (Education)
Dr. C. Viswanathan, Joint Director (Research)
Dr. R. N. Padaria, Joint Director (Extension)
Dr. P.S. Brahmanand, Project Director (WTC)

Organized by:
Division of Soil Science and Agricultural Chemistry
ICAR-Indian Agricultural Research Institute
New Delhi - 110 012

About the Institute

Originally established in 1905 at Pusa (Bihar) with the financial assistance of an American Philanthropist, Mr. Henry Phipps, the Indian Agricultural Research Institute (IARI) started functioning from New Delhi since 1936 when it was shifted to its present site after a major earthquake damaged the Institute's building at Pusa (Bihar). The Institute's popular name 'Pusa Institute' traces its origin to the establishment of the Institute at Pusa. The Indian Agricultural Research Institute is the country's premier national Institute for agricultural research, education and extension. It has the status of a 'Deemed-to-be-University' under the UGC Act of 1956 and awards M.Sc./ M. Tech. and Ph.D. degrees in various agricultural disciplines. The growth of India's agriculture during the past more than 100 years is closely linked with the research done and technologies generated by the Institute. The Green Revolution stemmed from the fields of IARI. Development of high-yielding varieties of all major crops that occupy vast areas throughout the country, generation and standardization of their production techniques, integrated pest management, and integrated soil-water-nutrient management have been the hallmarks of the Institute's research. The Institute has researched and developed a large number of agrochemicals that have been patented and licensed and are being widely used in the country. Over the years, IARI has excelled as a center of higher education and training in agricultural sciences at national and international levels.





About the Training

In India, agriculture sector has been a major user of water depends largely on river, canal, other rainwater harvesting structures and groundwater-based systems. For irrigating agricultural land, recycling of wastewater is increasing day by day owing to scarcity of fresh water resources. Build-up of metals and metalloids in soil from various sources like wastewater, urban or industrial wastes, sewage effluents, municipal sludge, fertilizer industries, refining of fossil fuels, mining, smelting, vehicular exhaust, production of metallic commercial products, discarded manufacturer goods and atmospheric fall out has led to critical environmental concerns. Crops raised on such soil accumulate trace toxic elements in quantities excessive enough to cause clinical problems both to animals and human beings consuming these metal and metalloid rich plants. Therefore, risk assessment and remediation of metal and metalloid polluted soils is increasingly becoming crucial. The Indian Agricultural Research Institute (IARI), is a seat of great scientific achievements and an excellent centre of learning and has legacy of imparting quality trainings. The Institute has created a distinct school of research and teaching in the area of risk assessment and remediation of metal and metalloid polluted soils. Keeping this in view, a course curriculum entitled "Advanced Tools and Techniques for Assessment and Management of Pollutants in Soil-Plant-Human Continuum" is designed under the ICAR Winter School Scheme.

Objectives of the Training

The training will be conducted to create awareness among researchers with the ultimate objective of enhancing the scientific capacity and more inclusive growth in the area of metal and metalloid hazard in soil-plant-human continuum.

Weather of Delhi

During the training period, Delhi normally enjoys the tail-end of the winter season shifting into spring. Daytime temperatures are usually in the mid-20s °C, while nights remain pleasantly cool. Rainfall is rare and skies are mostly clear, making the weather suitable for outdoor sessions. As March begins, days gradually grow warmer, with comfortable evenings — overall, a favourable period for our training programme.

How to Reach IARI ?

Indian Agricultural Research Institute, New Delhi, is well connected by air and rail. Participants arriving by flight can travel from Indira Gandhi International Airport to the IARI campus by taxi or cab services (about 30–45 minutes depending on traffic). Those arriving by train may alight at New Delhi Railway Station or Hazrat Nizamuddin Railway Station, from where IARI is accessible by taxi, auto-rickshaw, or metro; the nearest metro stations are Rajendra Place (Blue Line) and Shadipur (Blue Line), both located close to the campus.

Eligibility and Selection Criteria

Active researchers/ teachers not below the rank of Assistant Professor or equivalent from SAUs/ CUs/ DUs/ ICAR/ National Institutes/ SMS of KVKs, having minimum two years of experience, in the disciplines of Soil Science and Agricultural Chemistry/ Environmental Science and allied Sciences are eligible to apply. A total of 25 candidates will be selected for this course. The selection of the candidates will be made by a Screening Committee as per the available guidelines of the ICAR and those who are working or intended to work in the area of metal and metalloid pollution are eligible to apply in the prescribed format given at last page.

How to Apply ?

Nomination for the training should be sent online through CBP portal site (http://cbp.icar.gov.in/). The hard copy of successfully submitted online application along with a postal order/DD of Rs. 50/- (Non-refundable) must be sent to the Course Director, after approval of the competent authority of the participant. The demand draft should be drawn in favour of Director IARI payable at New Delhi. In case of any difficulty in applying online using CBP portal, the participants should send the application form duly filled-in and approved by the competent authority of the organization or through proper channel to Course Director on the address given in brochure. The last date for receiving nomination is February 04, 2026.

Accommodation and Travel

Boarding and lodging will be provided to the participants during the training period at the IARI guest house on sharing basis. Travel Allowance to the participants will be paid as per their entitlement for the class of travel, restricted to the maximum of AC II tier fare by the shortest route (except Rajdhani, Shatabdi and Air travel). Participants are required to produce receipts/ tickets in support of their claim. The reimbursement will be made as per ICAR guidelines. However, the candidates are encouraged to arrange their travel expenses from their parent Institutes.

Applications May Be Sent to:

Dr. Debashis Mandal, Head

Division of Soil Science and Agricultural Chemistry, ICAR-Indian Agricultural Research Institute, Pusa Campus, New Delhi- 110012

Mobile No: 9911465935 E-mail: debasisiari@gmail.com

Important Dates

Last date for receipt of applications at IARI	: February 4, 2026
Release of admission letters	: February 9, 2026
Confirmation by selected candidates	: February 13, 2026
Commencement of the training course	: February 24, 2026

Chief Patron

Dr. Ch. Srinivasa Rao, Director
ICAR-Indian Agricultural Research Institute, New Delhi- 110 012

Patron

Dr. Anupama Singh, Joint Director (Education)
Dr. C. Viswanathan, Joint Director (Research)
Dr. R. N. Padaria, Joint Director (Extension)
Dr. P.S. Brahmanand, Project Director (WTC)
ICAR-Indian Agricultural Research Institute, New Delhi- 110 012

Course Director

Dr. Debashis Mandal, Head
Division of Soil Science and Agricultural Chemistry, ICAR-Indian Agricultural Research Institute, New Delhi- 110 012
Mobile: 9412988783
E-mail: dmandalcswcrti@gmail.com

Course Coordinator

Dr. Debasis Golui, Scientist
Division of Soil Science and Agricultural Chemistry,
ICAR-Indian Agricultural Research Institute, New Delhi-110012.
Mobile: 9911465935
E-mail: goluiiari@gmail.com

Course Coordinator

Dr. Prasenjit Ray, Scientist
Division of Soil Science and Agricultural Chemistry,
ICAR-Indian Agricultural Research Institute, New Delhi-110012.
Mobile No. 8721989648
E-mail: prasenjit.iari@gmail.com

Format of Application Form for
ICAR sponsored Winter School
on
"Advanced Tools and Techniques for Assessment and Management of Pollutants in Soil-Plant-Human Continuum"

(24 February to 16 March, 2026)

1.	Full Name (in block letter):	
2.	Designation:	
3.	Discipline:	
4.	Present Employer and Address	
5.	Address to which reply should be sent in block letters:	
6.	Permanent Address:	
7.	Mobile No:	
8.	E-mail:	
9.	Date of Birth:	
10.	Gender (Male / Female/Others):	
11.	Teaching/ Research / Professional Experience (mention post held during last 5 years and number of publications):	
12.	Marital Status: Married/Unmarried:	
13.	Mention if you have participated in any training/ Summer/ Winter School/ Short Course, etc. during last 5 years under ICAR / other organizations:	
14.	Academic Records:	
15.	Level of knowledge of soil pollution research:	

Signature of the Applicant with Date

Recommendations of the forwarding Institute

Signature of the Forwarding Authority with Seal and Date

CERTIFICATE

It is certified that the information furnished above is correct. Traveling allowances will be paid / not be paid by this office.

Signature of the sponsoring Authority with Seal and Date