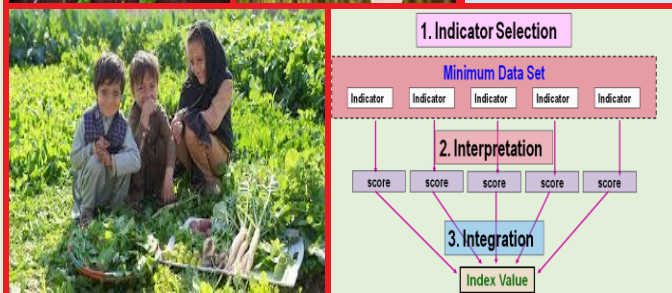




## DST- SERB Sponsored Workshop on

# Soil Health-Measure, Monitor and Manage for Ensuring Food Security and Climate Change Mitigation

(March 17-22, 2025)



## ORGANIZED BY



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

## INTRODUCTION

Soil health degradation is a major threat to agricultural sustainability in India and elsewhere in the world. To arrest such degradation and decline in productivity, a holistic approach is needed. Regular monitoring of soil health helps to identify degradation risks and the effectiveness of management practices. Therefore, a comprehensive assessment of soil health including physical, chemical and biological attributes of soil and adoption of particular rehabilitation measures is increasingly becoming crucial. Maintaining healthy soils ensures sustainable crop production, reduces greenhouse gas emissions, and enhances ecosystem services, making it essential for long-term agricultural productivity, secure global food supplies, and mitigate climate change impacts. Therefore, it is essential to identify best management practices for maintaining soil health and crop productivity under different agro-ecological regions (AERs) of India. The ICAR-Indian Agricultural Research Institute (IARI), New Delhi, is a seat of great scientific achievements and an excellent center of learning, has legacy of imparting quality trainings. Keeping this in view, a course curriculum titled

“Soil Health-Measure, Monitor and Manage for Ensuring Food Security and Climate Change Mitigation” is designed and will be organized as a workshop programme under DST-SERB funded project.

## OBJECTIVES

The workshop will be conducted with the major objective of imparting training on assess, monitor and management of soil health, rapid soil health assessment through hyperspectral remote sensing, soil microbial diversity, GHG emission, modelling of SOC, and development of soil health cards using DSS.

## DURATION

The duration of this training course is 6 days from **March 17-22, 2025**.

## ELIGIBILITY & SELECTON CRITERIA

M.Sc. and Ph.D. students pursuing their degree in Soil Science/ Agronomy/ Soil Physics/ Microbiology/ Environmental Science from a recognized university are eligible to apply in the prescribed format given at second page. Total 25 applicants will be selected for this course based on first-cum-first serve as well as merit, areas of research work and research experience.

## FOR FURTHER DETAILS, PLEASE CONTACT

### Course Advisors

**Dr. Debashis Mandal, Head**

**Dr. T. J. Purakayastha, Professor**

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

### Course Director

**Dr. Sunanda Biswas, Senior Scientist**

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### Course Co-ordinators

**Dr. Nayan Ahmed, Principal Scientist**

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Mobile: 9810650330

Email: nay\_ssc@yahoo.com

**Ms. Priya Singh, Senior Research Fellow**

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Email: priya4987@gmail.com

## FEE & FINANCIAL LIABILITY OF THE WORKSHOP

There is no fee for this course. The organizing institute will provide only working lunch and tea during 6 days workshop. No TA/DA will be given to the participants.

### IMPORTANT DATES:

- Last date for receipt of applications at IARI: **March 10, 2025**
- Release of admission letters: **March 12, 2025**
- Commencement of the training course: **March 17-22, 2025**

### HOW TO APPLY?

The application as per the given format, complete in all respects and duly signed by the authority, should be sent to Dr. Sunanda Biswas, Senior Scientist & Principal Investigator (DST-SERB funded Project), Division of Soil Science and Agricultural Chemistry, ICAR-Indian Agricultural Research Institute, New Delhi-110012, via Registered Mail/Courier/E-mail, so as to receive the application latest by **March 10, 2025**.

## APPLICATION FORM DST-SERB Sponsored Workshop

on  
**Soil Health-Measure, Monitor and Manage for Ensuring Food Security and Climate Change Mitigation**

**(March 17-22, 2025)**

Name of the candidate.....  
.....(in Block Letters)

Date of birth.....

Gender (Male/Female/other).....

Department and University name.....

Address for correspondence:.....

Mobile.....

E-mail .....

S. No.	Degree	Year	Subject	University/Institution	% of marks
1.	B.Sc.				
2.	M.Sc.				
3.	Ph.D.				
4.	Other				

Thesis title.....

Experience: Research .....yrs

Signature of the Applicant with date

### Declaration by the Forwarding Authority

This is to certify that the information furnished above is correct. If the candidate is selected and intimated accordingly, he/she will be allowed to participate in the said training programme.

Date

Signature of the Forwarding Authority with seal