

Training on Atomic Absorption Spectroscopy for Heavy Metal Analysis (February 06 to 08, 2019)



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For Registration open link below
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Organized by
ICMR-Regional Occupational
Health Centre (Eastern), NIOH,
Block-DP-1, Sector-V, Salt Lake,
Kolkata-700091



About ICMR-ROHC (E), Kolkata

Regional Occupational Health Centre (Eastern), Kolkata is a permanent Centre under ICMR - National Institute of Occupational Health, Ahmedabad, Govt. Of India. The mandate of this centre is to undertake research, suggest interventions and impart training on Occupational Health and its allied disciplines. This centre primarily caters to the occupational and associated environmental health research needs of Eastern and North Eastern India.

About training program

About Training: This Training Program is specially-designed for those who are beginners or early users to Atomic Absorption Spectroscopy (AAS) and who are looking for the formal course. We provide training on Flame Atomic Absorption Spectroscopy (FAAS) with Flow Injection Analysis System (FIAS) and Graphite Furnace Atomic Absorption Spectroscopy (GFAAS). The training is conducted in accordance with the specified protocols and fundamental principles of AAS.

Aim of Training: Trainee will gain basic knowledge and skills needed for optimization and troubleshooting for analysis of heavy metals using AAS. Laboratory exercises include experiments in controlling interferences, as well as procedures for developing methods. The training is useful for those who are planning to pursue their career in field of Research, Pharmaceuticals, Water Testing, as well as the Analytical Testing Laboratories and various others.

Prerequisites: The trainee must hold a Diploma or Graduation Degree in Science field or pursuing the same.

Intake: For 10 trainees

Training Fees: ₹1,500

Course Content

- Basic Principles of AAS
- Basic Principles of FAAS with FIAS and GFAAS
- Components of an AAS
- Flame Processes and Interferences
- Matrix Modification & Interferences
- Various Interference Correction Techniques

- Background Correction Techniques
- Instrumentation
- Sample Preparation Techniques
- Method Development
- Routine Maintenance and Troubleshooting
- Hands on session

Registration

Seats will be limited only for 10 participants on first come first serve basis.

Those willing to attend the course should obtain a Demand Draft (DD) of ₹1,500/- (Rupees one thousand five hundred only) in favour of "Officer-In-Charge, Regional Occupational Health Centre (E)" and payable at Kolkata; and to complete a registration form through registration link <https://goo.gl/forms/i0YV8rfqcsvpwHZs1>. and send the DD along with copy of your registration form received by email from Google Form, by courier/speed post before **15/01/2019** to :-

Dr. Pawan Kumar Maurya

Scientist "B"

ICMR-Regional Occupational Health Centre (E)
Block-DP-1, Sector-V, Salt Lake, Kolkata-700091

For further query if any please write:

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Patron:

Dr. RS Dhaliwal Chief, NCD, ICMR

Mentor:

Dr. K Sarkar Director, ICMR-NIOH Organizing

Secretary:

Dr. CK Pradhan, Scientist "E" & Officer-In-Charge, ROHC (E)

Joint Organizing Secretary :

Dr. A Chakrabarti, Scientist "E", ICMR-ROHC (E)

Dr. A Saha, Scientist "E", ICMR-ROHC (E)

Course Co-ordinators:

Dr. PK Maurya, Scientist "B", ICMR-ROHC (E)

Organizing Committee:

Mr. SK Roy, Sr. Technical Officer-1, ICMR-ROHC (E)

Ms. A Yadav, Technical Officer, ICMR-ROHC (E)