

BACKGROUND

Soils tremendously vary in their ability to supply nutrients to plants. Nutrients concentration in plant tissue is an indicator of their availability status in soil. Transport of nutrients from soil to plants is also influenced by the quality of irrigation water which depends upon the type and quantity of dissolved salts. Therefore, analysis of water, soil and plant is essential for managing high soil productivity without having any adverse impact on soil properties and quality of farm produce. NIAB scientists working in the area of soil science have attained high level of expertise for precise analyses of soil, water and plant samples. Hands-on training course is thus designed to disseminate the knowledge and trained the students, research scientists and extension workers engaged actively in the field of agriculture and allied disciplines.

OBJECTIVES

This training programme is aimed at:

- Improving awareness and skills of the participants for conventional and advanced analytical techniques used in soil, water and plant analyses
- Providing practical experience for the use of sophisticated instruments and their maintenance requirements

HOST ORGANIZATION

Nuclear Institute for Agriculture and Biology (NIAB), Faisalabad, a premier organization of Pakistan Atomic Energy Commission (PAEC), has been engaged in agricultural research and development in the country. The R&D activities of the institute are focused in the areas like development of new crop varieties, plant protection, animal health and soil & environmental sciences by using nuclear and other advanced techniques. Soil Science laboratories of the institute are well equipped

with modern analytical instruments like UV-Visible Spectrophotometer, Flame Photometer, Atomic Absorption Spectrometer, Inductively Coupled Plasma Spectrometer, Porometer and Osmometer, etc. for precise analyses of water, soil and plant attributes.

COURSE DESCRIPTION

The three days training programme is designed to provide basic knowledge about the analyses of soil, water and plant. The programme is formulated to cover both theory and practical aspects of analyses with emphasis on learning by doing it practically.

SCHEDULE

Receipt of Applications/ Course Fee

Application form (duly filled) along with copy of CNIC and a demand draft/ pay order of course fee Rs. 5000/- (for professionals) and Rs. 2500/- (for students) in the name of Head LAO NIAB, Faisalabad should reach the organizing committee by 24th August, 2022.

Eligibility

Young scientists/ extension workers/ students possessing university degree in relevant field are eligible. Candidates sponsored by Govt. / Semi-Govt. organizations, fertilizer industries, commercial companies engaged in agri. business, etc. will be given preference. The selected candidates will be informed by 30th August, 2022.

Course Duration

September 06 – 08, 2022

TRAVEL AND ACCOMMODATION

The participants shall bear the cost of travel and stay at Faisalabad. However, NIAB will provide the transport facility for fixed points in the city free of charge.

PATRON-IN-CHIEF

Dr. Raja Ali Raza Anwar, Chairman, PAEC

PATRON

Dr. Masood Iqbal, CS/Member (Science), PAEC
Dr. Iftikhar Ali, CS/DG (A&B), PAEC

ORGANIZING COMMITTEE

Dr. M. Yussouf Saleem, DCS/Director, NIAB
Dr. Muhammad Ashraf, DCS/Head SESD
Dr. Muhammad Aslam, PS/Course Coordinator
Dr. Shermeen Tahir, PS/Co-organizer
Dr. Asif Naeem, SS/ Co-organizer
Mr. Muhammad Arfan Tahir, Administrator
Mr. Fakhar Imtiaz, Head LAO

FACULTY

Dr. Muhammad Akhtar, DCS
Dr. Muhammad Aslam, PS
Mr. Muhammad Yaqub, PS
Dr. Shermeen Tahir, PS
Dr. Wajid Ishaque, PS
Dr. Asif Naeem, SS
Dr. M. Atif Riaz, SS
Dr. Muhammad Imran, SS
Mr. Nadeem Sarwar, SS
Mr. M. Rizwan Khan, JS
Mr. Ansar Mahmood, ARO
Mr. Muhammad Saleem, RA
Mr. Muzaffar Hussain Sajjad, PSA
Mr. Khaver Maqsood, PSA

FOR FURTHER INFORMATION

Dr. Muhammad Aslam

Course Coordinator,
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Phone: 0301-3515717

Email: moeedaslam@gmail.com

Contact Persons:

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Dr. Asif Naeem:

0333-6484050, scoutuaf@gmail.com

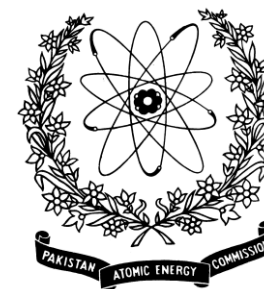
Website: <http://www.niab.org.pk>

Hands-on Training on Soil, Water and Plant Analysis 06 – 08 September, 2022

APPLICATION FORM

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| Name (Dr./ Mr./ Ms.) (IN BLOCK LETTERS): | | | Photo | | | | | | | | | | | | | | | | |
| Father's Name: | | | | | | | | | | | | | | | | | | | |
| CNIC No. | | | | | | | | | | | | | | | | | | | |
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| Qualification | Name of Institution/ Organization | | | Designation | | | | | | | | | | | | | | | |
| Mailing Address | | | | Phone: | | | | | | | | | | | | | | | |
| | | | | E-mail: | | | | | | | | | | | | | | | |
| Course Fee | Demand draft/ Pay order No. | Date | Bank Name/ Branch | | | | | | | | | | | | | | | | |
| (Signature of the Applicant) | | | Recommendation of Head of Institute/ Department | | | | | | | | | | | | | | | | |
| Recommendation of Course Coordinator | | | Approval of the Director NIAB | | | | | | | | | | | | | | | | |

Note: The last date for submission of application is 24th August, 2022



HANDS-ON TRAINING ON
SOIL, WATER AND PLANT
ANALYSIS
06 – 08 September, 2022



Organized by

**Nuclear Institute for Agriculture and
Biology (NIAB), Faisalabad**

PAKISTAN ATOMIC ENERGY COMMISSION