

About

The Kjeldahl apparatus is used for the precise determination of nitrogen content in organic compounds through digestion, distillation, and titration. This training will enhance participants' skills in operating, maintaining, and optimizing the apparatus, with both theoretical and practical training.



Organized By

University Institute of
Biochemistry and Biotechnology

Pir Mehr Ali Shah
Arid Agriculture University

**The Kjeldahl
Experience : From
Theory to Practice
November 13, 2024**

8:30 am - 04:00pm



2nd Hands-on Training on

The Kjeldahl Experience : From Theory to Practice

Funded by Higher Education Commission

Course Description

- Advanced theory of the Kjeldahl method
- Optimize digestion and distillation parameters (save time and chemicals)
- Titration procedures like determination of ammonium, nitrate (Devarda method and salicylic acid digestion) and organic nitrogen in a typical sample
- All related QC practices
- Functionality of the software, data import / export, creating reports
- Instrument troubleshooting, maintenance, and service of the equipment

Co-Organizers



Prof. Dr. M. Javaid Asad
Professor, UIBB,
PMAS-UAAR



Dr. M. Sheeraz Ahmad
Associate Professor, UIBB,
PMAS-UAAR



Saima Amin
Lecturer, UIBB,
PMAS-UAAR

Speakers



Prof. Dr. Asif Ahmad
Director, Institute of Food
and Nutritional Sciences,
PMAS-UAAR



Dr. Saqib Jabbar
Senior Scientific Officer
Food Science Redearch
Institute, NARC, Islamabad



Obaid Ullah Khan
Scientific officer Nutrition
division NIH Islamabad

Chief Organizer



Dr. Feroza Hamid Wattoo
UIBB- PMAS,UAAR

Demonstrators



Dr. Muhammad Asghar
Senior Scientific Officer
(NUMS)



Mr. Muhammad Azhar
Scientific Officer
(NIH), Islamabad





University Institute of Biochemistry and Biotechnology

The 2nd Hands-On Training on "The Kjeldahl Experience: From Theory to Practice" at UIBB, PMAS-Arid Agriculture University Rawalpindi

November 13, 2024

Programme Schedule	
9:30 AM	Arrival of Guests
10:00 AM	Recitation from Holy Quran
10:10 AM	Welcome address by Prof. Dr. Ghazala Kaukab Raja , Director UIBB
10: 20 AM	Dr. Feroza Hamid Wattoo, Associate Professor (UIBB) "Overview of the Training Course: Kjeldahl Instrumentation and Analysis"
10:30 AM	Address by Chief Guest
11:00 AM	Dr. Saqib Jabbar, Senior Scientific Officer Food Science Redearch Institute, NARC, Islamabad "Quality Control Aspects in Nitrogen Determination"
Tea break (11:30 to 12:00 am)	
12:05 AM	Prof. Dr. Asif Ahmad, Institute of Food and Nutritional Sciences, PMAS-UAAR "Kjeldahl Analysis: Theoretical and Chemical perspective"
12:30 PM	Obaid Ullah Khan, Scientific officer Nutrition division NIH Islamabad "Understanding the Kjeldahl Apparatus and its application in Food and Agriculture sciences"
01:00-1:30 PM (Group 1)	Dr. Muhammad Asghar, Senior Scientific Officer NUMS, Islamabad "Practical Demonstration and Hands-on Training Kjeldahl Instrumentation and Analysis"
Lunch Break 1:30-2:15 pm	
2:15-2:50 PM (Group 2)	Mr. Muhammad Azhar Food Analytical Lab, Nutrition Division, National Institute of Health (NIH), Islamabad "Practical Demonstration and Hands-on Training Kjeldahl Instrumentation and Analysis"
2:50-3:30 PM	Distribution of Certificates to the participants
3:30-4:00 PM	Vote of Thanks