



**Nuclear Institute for Food and Agriculture
(NIFA), Peshawar**



**40th POSTGRADUATE TRAINING COURSE
ON**

**“THE USE OF NUCLEAR AND OTHER
TECHNIQUES IN FOOD &
AGRICULTURAL RESEARCH”**

October 13 - 17, 2025



The Nuclear Institute for Food and Agriculture (NIFA), under the Pakistan Atomic Energy Commission, conducts research in food and agriculture using modern labs and trained staff. It collaborates nationally and internationally and has developed 33 high-yielding, disease-resistant crop varieties. NIFA also focuses on eco-friendly pest control, food preservation and water & nutrient management. Key innovations include MREs, nutrient detection kits, dengue guard, mushroom technology, bio geyser, compost tea, fruit astringency removal and gemstone value addition. NIFA offers an annual postgraduate course on nuclear and modern agricultural techniques, combining comprehensive theory with hands-on research exposure.

COURSE OUTLINE

- Fundamentals of Radiations
- Food Irradiation for Food Safety & Security
- Food Canning & Extrusion Technology
- Nutritional Evaluation of Foods
- Mutation & Classical Breeding
- Nuclear Techniques in Insect Pest Management
- Termite Control
- Biological Control
- Plant Pathology
- Spectroscopy
- Crop Water Use Efficiency
- Integrated Nutrient Management

SPECIAL LECTURES

- Use of Statistical Designs in Agricultural Research
- Role of Biotechnology in Agriculture
- Environmental Issues/Global Warming

APPLICATION PROCEDURE

Filled applications in the prescribed format must reach the course organizer by October 06, 2025. In-service candidates should apply through the proper channel.

Course Fee

Professionals: Rs. 5,000 Students: Rs. 3,000

PATRON-IN-CHIEF

Dr. Shakeel Abbas Rofi, Member (Science)

PATRON

Dr. Muhammad Yussouf Saleem, CS/ DG. (Agri. & Biotech.)

ORGANIZING COMMITTEE

Dr. Gul Sanat Shah, CS/ Director

Dr. Syed Jawad Ahmad Shah, DCS/ Head PPD

Dr. Maazullah Khan, DCE/ Head FND

Dr. Roshan Zamir, DCS/ Head PB&GD

Dr. Syed Azam Shah, DCS/ Acting Head S&ESD

Dr. Muhammad Amin, PS/ Course Organizer

Dr. Haroon Shahzad, JS/ Co-Organizer

REQUIRED QUALIFICATION

The minimum qualification required is B.Sc. / B.Sc. (Hons.)

AWARD OF CERTIFICATES

Certificates will be awarded at the concluding ceremony to participants upon successful course completion.

ACCOMMODATION/ TRAVEL

Participants or their sponsors will bear travel and stay expenses. NIFA can assist with paid accommodation if requested in advance.

FOR INFORMATION

Dr. Muhammad Amin

Course Organizer

03339156518

aminkanju@gmail.com

Dr. Haroon Shahzad

Co-Organizer

03236038220

091-2964060-62 ext 249

Nuclear Institute for Food and Agriculture

(NIFA), Tarnab, Peshawar

www.nifa.org.pk

SPECIMEN APPLICATION FORM

PHOTO

Name _____

CNIC

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Academic Qualification _____

Official position _____

Organization _____

Tel. Off. _____

Cell _____

E-mail _____

Address _____

Research/Teaching Experience _____

Have you attended this course at NIFA earlier?

Yes /No

Do you need accommodation?

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Signature & Seal
Head of Establishment:

Applicant's Signature

Note

1. Copy of CNIC & Photograph are required with Application Form

2. Application form can be downloaded from the following link

<https://nifa.org.pk/annualtrainingcourse.php>