



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



41st POSTGRADUATE TRAINING COURSE ON

THE USE OF NUCLEAR AND CONTEMPORARY TECHNIQUES IN FOOD & AGRICULTURAL RESEARCH

October 12 - 16, 2026



PATRON-IN-CHIEF

Dr. Shakeel Abbas Rofi, Member (Science)

PATRON

Dr. Waheed S. Khan, DCS/DG. (Agri. & Biotech.)

ORGANIZING COMMITTEE

Dr. Gul Sanat Shah, CS / Director

Dr. Syed Jawad Ahmad Shah, DCS/ Head PPD

Dr. Roshan Zamir, DCS/ Head PBGD

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

Dr. Zahid Mehmood, PS/ Head FND

Dr. Gul Zamin Khan, DCS/Course Organizer

Mr. Tauqeer Ahmad, SS /Co-Organizer

INTRODUCTION

The Nuclear Institute for Food and Agriculture (NIFA), established in 1982 as one of the four agricultural research institutes of the Pakistan Atomic Energy Commission (PAEC), is committed to enhancing food security and food safety through research and

development using nuclear and other advanced technologies. The Institute conducts multidisciplinary research in agriculture, food & nutrition, develops skilled human resources and delivers quality scientific services in compliance with national and international standards. NIFA has made significant contributions to agriculture, food quality and public health through research, innovation and technology development. The Institute has developed & released 33 improved crop varieties, introduced rapid test kits for on-site qualitative detection of micronutrient fortificants in fortified foods and advanced innovative insect pest management technologies and products, including NIFA Dengue Guard mosquito repellent, fruit fly traps, termite traps etc. NIFA also provides specialized analytical, technical and consultancy services to support sustainable agriculture, food safety and public health. NIFA offers an annual postgraduate training course on nuclear and modern techniques, combining theory with hands-on research exposure.

ELIGIBILITY CRITERIA

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

APPLICATION PROCEDURE

Filled applications on the prescribed format must reach the course organizer by October 01, 2026. In-service candidates should apply through proper channel.

COURSE FEE

Professionals	Rs. 5000/-
Students	Rs. 3500/-

COURSE COMPLETION CERTIFICATES

Certificates will be awarded to participants upon successful completion of the training course.

ACCOMMODATION/TRAVEL

Individual participants/ their sponsors will bear accommodation/ travel expenses on their own. NIFA can assist with paid accommodation at NIFA guest house for willing candidates.

COURSE OUTLINE

- ✚ Fundamentals of Radiations
- ✚ Food Irradiation for Food Safety & Security
- ✚ Nutritional Evaluation of Foods
- ✚ Mushroom production techniques
- ✚ Mutation & Classical Breeding
- ✚ Application of 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

FOR INFORMATION

Dr. Gul Zamin Khan	Mr. Tauqeer Ahmad
Course Organizer	Co-Organizer
03313811979	03339800972
gulzaminkhan@yahoo.com	091-2964060 Ext. 279

Nuclear Institute for Food and Agriculture (NIFA),
Tarnab, Peshawar
Fax: 091-2964059