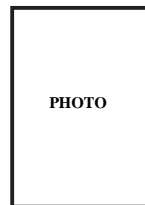


SPECIMEN APPLICATION FORM

PHOTO



Name _____

CNIC

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Academic Qualification _____

Official position _____

Organization _____

Tel. Off. _____

Cell _____

E-mail _____

Address _____

Research/Teaching Experience _____

Have you applied for this course earlier?

<input type="checkbox"/>	<input type="checkbox"/>
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Have you attended this course at NIFA earlier?

<input type="checkbox"/>	<input type="checkbox"/>
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Do you need accommodation?

<input type="checkbox"/>	<input type="checkbox"/>
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Applicant's Signature

Recommendation of Head of Establishment:

**Note: Application form must be accompanied
by a copy of CNIC & recent photograph.**

PATRON-IN-CHIEF

Dr. Masood Iqbal, Member (Science)

PATRON

Dr. Zahid Mukhtar, CS/DG. (Agri & Biotech.)

Organizing Committee

Dr. Gul Sanat Shah, DCS / Director
Mr. Muhammad Zahid, DCS/Course Coordinator
Mr. Shahid Akbar Khalil, PS /Co-Coordinator
Dr. Muhammad Imtiaz, DCS
Dr. S. Jawad Ahmad Shah, DCS
Dr. Maaz Ullah Khan, DCE
Dr. Roshan Zamir, DCS
Dr. Muhammad Amin, PS/Manager ORIC

FACULTY

Dr. Inamullah Khan, DCS
Dr. Syed Azam Shah, PS
Mr. Hafiz Munir Ahmad, PS
Mr. Parvez Khan, PS
Mr. Muhammad Zubair Shah, PE
Dr. Amir Raza, PS
Dr. Farooq-i-Azam, PS
Dr. Zahid Mehmood, PS
Dr. M. Misbah ul Haq, PS
Dr. Syed Tariq Shah, PS
Dr. Iqbal Saeed, PS
Dr. M. Hamayoon Khan, SS
Mr. Alamgeer Khan, PS
Dr. Salman Ahmad, SS
Mr. Muhammad Salman, SS



38th

POST GRADUATE TRAINING COURSE

on

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

October 16 - 20, 2023



NUCLEAR INSTITUTE FOR
FOOD AND AGRICULTURE,
NIFA, PESHAWAR

www.nifa.org.pk

Introduction

The Nuclear Institute for Food and Agriculture (NIFA), an establishment of Pakistan Atomic Energy Commission, is actively involved in basic and applied research in selected areas of food and agriculture. The institute is well equipped with modern laboratory facilities and trained manpower. It maintains an active collaboration with PAEC establishments and other national and international organizations engaged in similar pursuits. Utilizing the expertise and the facilities available, NIFA has evolved 26, high yielded and disease resistant crop varieties, (Wheat irrigated: 04, Wheat rainfed: 06, Oilseed Brassica: 05, Chickpea: 04, Mungbean: 05 and Common bean: 02). NIFA is also involved in the environment friendly management of Insect pests and disease, preservation of food through nuclear and other techniques, water and nutrients management. The key R&D achievements of NIFA are Meal Ready to Eat (MRE), nutrients spot detecting KITs, dengue guard, mushroom production technology, Bio geysers, compost tea, food preservation, and astringency removal of fruits as well as value addition of gem stone.

NIFA organizes, annually, a postgraduate training course on the applications of nuclear and other techniques in food and agricultural research for students, researchers and academicians. The course is designed to acquaint the participants with theoretical and practical aspects of nuclear and other contemporary techniques. Apart from lectures in the specialized fields, the course also provides to the participants a practical exposure to various on-going research projects at NIFA. The faculty comprises of subject experts from NIFA as well as other organizations.

Required Qualification

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

Application

Applications duly completed on the prescribed format should reach to the course coordinator on or before October 02, 2023. In-service candidates should apply through proper channel.

Fee

Rs. 3500/- for Professionals

Rs. 2500/- for Students

Award of Certificates

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

Accommodation/Travel

The participants or the nominating organizations will bear the expenses for travel and stay at Peshawar. NIFA will, however, help in arranging accommodation (on payment) if requested in advance. Pick & drop facility will be provided free of cost within Peshawar on main G.T. Road.

Outline of the Training Course

Lectures

- A. Radiation Concepts**
 - Fundamentals of Radiations
 - Radioisotopes and their Application in
 - Food, Agriculture, Health, Industry and Environment
 - Food Irradiation for Food Safety & Security
- B. Food Nutrition and Engineering**
 - Food Canning & Extrusion Technology
 - Nutritional Evaluation of Foods
 - Facts about Dietary Fats

- C. Crop Improvement**
 - Mutation Breeding
 - Biotechnology
- D. Plant Protection**
 - Nuclear Techniques in Insect
 - Pest Management
 - Termite Control
 - Biological Control
 - Plant Pathology
- E. Soil and Environmental Sciences**
 - Isotopes in Soil Science and Plant Nutrition
 - Crop Water Use Efficiency
 - Integrated Nutrient Management
 - Growing of off-season Vegetables in high Tunnel Farming
- F. Modern Analytical Techniques**
 - Chromatography
 - Spectroscopy
- G. Statistical & Computational Techniques**
 - Statistical Designs
 - Economic Analysis
- H. Special Lectures**
 - Role of Biotechnology in Agriculture
 - Environmental Issues/Global Warming
 - Current status of food safety and Halal Foods

CONTACT

Mr. Muhammad Zahid, DCS/Course Coordinator

Mr. Shahid Akbar Khalil, PS/Co-Coordinator

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

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Mob: 03329201361, 03005900250

Fax: 091-2964059

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shahidkhalil@yahoo.com