Application Form
(Specimen)

Name:  
CNIC No.  
(Official Position:  
Univ./Organization:  
Address:  
Phone: (Off.)  (Cell)  
Fax:  
E-mail:  
Date of birth:  
Academic qualification:

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<tr>
<th>Degree</th>
<th>Institution</th>
<th>Subject</th>
<th>Year</th>
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<td>M.Sc.</td>
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<td>M.Phil.</td>
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<td>Ph.D.</td>
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Research/training experience:  
Particular interest for training:  
Accommodation required (Yes/No):  

(Signature of applicant)

4th TRAINING COURSE
ON
“ADVANCED ANALYTICAL TECHNIQUES FOR FOOD SAFETY MEASURES IN PAKISTAN”
4 - 13th December, 2017
Food safety and quality have become increasingly important world-wide in recent years, not only in terms of protecting health of the consumer, but also to meet requirements for international trade. Threats in food (such as microbial contaminations, heavy metals, radioactivity, and residues from pesticides, aflatoxins and veterinary antibiotics/hormones) and their resulting health hazards have made public quality-conscious and demand routine and large-scale monitoring. It is of increasing concern for regulatory authorities of many developing countries that export food commodities to the major trading blocks of the developed world.

Nuclear Institute for Agriculture and Biology (NIAB) Faisalabad, a research and development centre functioning under the auspices of Pakistan Atomic Energy Commission (PAEC), has mandate to conduct research on applied problems in the field of agriculture and biology. Food Safety Laboratories of NIAB have been working on aflatoxins, pesticides and veterinary drug residues in food, feed and environment safety issues for the last 25 years employing advanced nuclear, immunochemical and chromatographic techniques. These laboratories are well-equipped with state-of-the-art instrumentation and validated protocols under different PAEC and IAEA funded National, Regional and Interregional Technical Cooperation and Research programs. The manpower in these laboratories is technically trained from world-renowned food safety laboratories of IAEA Austria, AFBI Belfast UK, BVKE Turkey, NMISA South Africa, AVA Singapore, BQCLP Thailand, RIKILIT Netherlands and UNBS Uganda. As part of these laboratories, Veterinary Drug Residues Laboratories at NIAB are the first ISO/IEC 17025 accredited laboratories in Pakistan (PNAC Lab # 119) offering food analysis for seven types of major antibiotic groups and hormone (Chloramphenicol, Nitrofurans metabolites, Quinolone, β-Lactam, Gentamicin, Tetracycline & Bovine Growth hormone) in different food matrices to public and private sectors.

To improve food quality nationally and to facilitate food trade in Pakistan, it is necessary to develop technical human resource within country for testing of finished products fit for human consumption. Current training course particularly addresses this issue with an objective to provide hands-on training to analytical chemists, food scientists, nutritionists, veterinarians and biologists of the country on the use of advanced analytical techniques applying international standards for food safety.

Technical sessions will cover theoretical as well as practical aspects. Details are as under:

**Screening Techniques**

Microbial, ELISA, Radio-receptor Binding Assays (CHAM-II), Radioactivity.

**Post-Screening Techniques**


**Special Lectures on WTO Legislations for Food Exports/Imports**

Agreements on Sanitary and Phytosanitary Measures (SPS) and Technical Barriers to Trade (TBT), ISO/IEC 17025 technical standard and its applications to food safety laboratories.

It is expected that the training imparted through this course will enhance national capability to achieve tangible outcomes in terms of improved food safety and increased access to international trade.

**SCHEDULE**

**Receipt of Application**

Applications completed according to the format given in this brochure on A4 size paper must reach the organizer before **November 26, 2017**. (Serving personnel must apply through proper channel)

**Selection**

A fixed number of applicants will be selected for participation. The selected candidates will be informed by **November 28, 2017**.

**TRAVEL AND ACCOMODATION**

The nominating institutions or the participants themselves shall bear the cost of travel and stay at Faisalabad. However, NIAB will help to secure moderate priced accomodation for the participants, if requested well in advance. Transport to and from the venue of the course (NIAB) will be provided for fixed points in the city free of charge.

**REGISTRATION FEE**

Officials (Lecturers/Research Officers: PKR 4,000/-
Ph.D. / M. Phil. Students: PKR 3,000/-
(Dues should be paid along with bank draft in the favour of Senior Accounts Officer, NIAB, Faisalabad)