

Speakers

Dr. Nasir A. Saeed,
Chief Scientist,
Director NIBGE



Dr. Muzammil Sattar,
PS, ABD,
NIBGE, Pakistan



Prof. Dr. Du Xiongming Head of
Department at Chinese Academy
of Agricultural Sciences, China
(Online)



Prof. Dr. Jam Nazeer Ahmad
Department of Entomology,
University of Agriculture,
Faisalabad, Pakistan



Dr. Nasser Al Abri
Head of Entomology Section
Ministry of Agriculture, Oman
(Online)

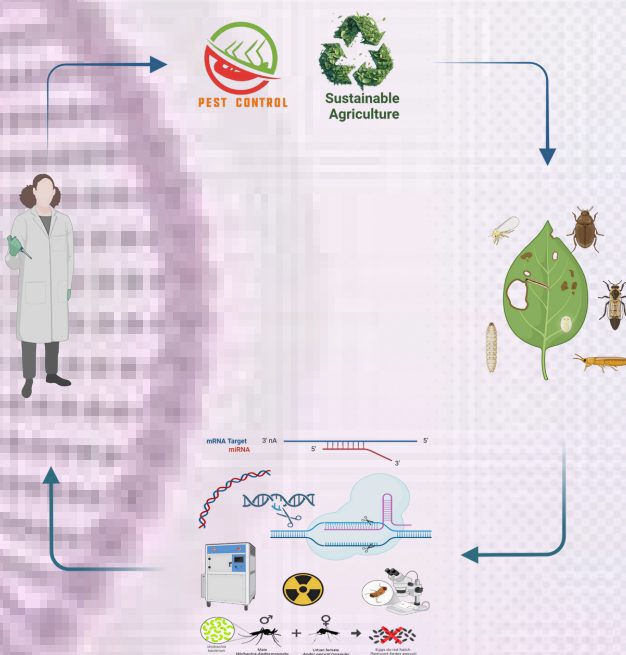


Prof. Dr. Zain Ul Abdin
Department of Entomology,
University of Agricultural,
Faisalabad, Pakistan



Objectives

- Use of environment friendly technologies
- Address challenging issues with Biotechnology
- Enlighten the advancement in Insect Molecular Biology



Key Theme

- Biotechnology and omics
- Recent advances and future directions
- Current trends and applications



1st One-Day International Workshop

on

**Molecular Approaches for
Sustainable
Insect Pest Management**

20th November, 2025

at

**National Institute for
Biotechnology & Genetic
Engineering (NIBGE)
Faisalabad, Pakistan**

Significance

Modern molecular techniques are vital for insect pest management in ensuring global food security. Excessive and indiscriminate use of chemical pesticides has led to developing pesticide-resistant insect pest populations, threatening crop yields and food safety. The modern era of scientific advancements approaches to study and implement molecular technologies for safe and healthy crops and environment.

Biotechnology modernized various fields including agriculture. The workshop theme encompasses the use of biotechnology genomics and molecular technology to develop solutions for managing insect pests, reducing reliance on chemical pesticides and promoting eco-friendly agriculture practices. We welcome all participants, who will have the valuable opportunity to experience and gain immersive learning on different comprehensive explorations of Genetic Engineering, DNA Barcoding, Sequencing, PCR, RNA Interference (RNAi), Gene Editing, Genome Editing, CRISPER-Cas9, Molecular Markers and Synthetic or Organic Biology through lectures to leverage the power of biotechnology for consistent pest management.



Biotechnologies and Green Stewardship:

Essential Partners for Reliable Insect Pest Management



Organizing Committee

Dr. Nasir A. Saeed, Director NIBGE
Dr. Muhammad Arif, Head ABD
Dr. Muzammil Sattar, Organizer

CONTACT

Dr. Muzammil Sattar, PS

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Agricultural Biotechnology Division**

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Faculty Registration Fee: 2000/-

Student Registration Fee: 1000/-

NBP AARI Bank ACC No. 3247734839

Branch Code No. 0560

IBAN: PK25NBPA0560003247734839

Online Registration Link :

<https://forms.gle/HN59VnzBDagVFC25A>

**National Institute for Biotechnology &
Genetic Engineering (NIBGE), Faisalabad
Pakistan**