

# ASHIR MASROOR

ASSOCIATE PROFESSOR | PLANT BIOLOGIST | RESEARCHER  
UNIVERSITY OF AGRICULTURE FAISALABAD, PAKISTAN

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## SKILLS

- Plant-Microbe Interactions
- Biological Control
- Molecular Plant Pathology
- Project Management
- Scientific Writing & Grant Writing
- Teaching, Curriculum Development & Student Mentorship
- Bioinformatics, Data Analysis
- Collaboration & Agricultural Consultancy
- Quality Assurance
- Continuous Improvement
- Lab Operations Governance
- Adaptability & Autonomy
- Problem Solving
- Teamwork
- Time Management
- Leadership
- Effective Communication
- Critical Thinking

## MEMBERSHIPS

- American Phytopathological Society (APS)
- Pakistan Phytopathological Society
- Plant Pathology Professionals (LinkedIn Group)

## LANGUAGES

- English (Fluent)
- Urdu (Fluent)
- Panjabi (Fluent)
- German (CEF B2)

## IT SKILLS

- LMS System (UAF)
- MS Office
- Canva (Basic)
- Vector NTI Advance 10
- NCBI online software, etc.

## AWARDS

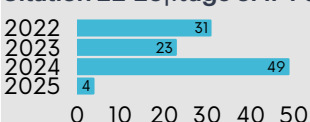
- KAAD Scholarship for Ph.D. research (Germany)
- University Merit Scholarship during M.Sc. (Hons.) Agriculture
- Invited Speaker at international conferences on plant disease management
- Grant for International Conference Participation (Switzerland)

## ADMINISTRATION

- Program Coordinator: M.Sc. (Hons.) Agri.
- Advisor/Tutor: BS Botany
- Superintendent during UAF Entry Tests.
- Organized Events: Mega farmer gatherings, sports events, seminars, and trainings.
- Incharge Quiz Club, Music Club

## RESEARCH IMPACT

Citation 22-25%age of IF Publications



## PROFILE

Experienced Plant Pathologist with expertise in plant disease resistance, biological control, and plant-soil-microbe interactions. Over a decade of research, teaching, and industry collaboration in sustainable agriculture, regenerative farming, and plant health. Proven ability to manage research projects, mentoring, and integrate academic knowledge with practical applications in agriculture and biotechnology. Deeply committed to advance regenerative agriculture and plant-soil health. Passionate about integrating plant-pathogen interactions with soil health practices to foster resilient plant systems and improve agricultural productivity.

Key Research Interests

- Plant-soil-microbe interactions
- Biocontrol strategies for plant diseases
- Sustainable agriculture & regenerative farming
- Molecular mechanisms of plant disease resistance



## WORK EXPERIENCE

**Associate Professor** 2024 - PRESENT

University of Agriculture Faisalabad, Sub Campus Burewala

- Research in plant pathology, plant-microbe interactions, and sustainable disease management.
- Teaching and mentoring undergraduate & postgraduate students
- Administrative responsibilities including curriculum development

**Assistant Professor** 2016 - 2024

University of Agriculture Faisalabad, Sub Campus Burewala

- Designed and conducted research on plant pathogen's biological control strategies.
- Led curriculum development for plant pathology courses.
- Led research project on sustainable disease management
- Supervised postgraduate research on plant-microbe interactions
- Organized academic conferences and student outreach programs

**Assistant Professor** 2014 - 2016

COMSAT University Islamabad, Campus Burewala

- Taught courses in plant sciences and conducted research on Plant endophytes

**Postdoctoral Researcher** 2014

Institute of Phytomedicine, University of Hohenheim, Germany

- Project: Biological control of *Phytophthora infestans* using rhizospheric and endophytic microbes.

**Doctoral student** 2009 - 2013

Institute of Genetics, University of Hohenheim, Stuttgart, Germany

- Thesis: Understanding the molecular mechanism behind plant resistance to invading microbes

**Volunteer Agriculture Expert** 2005 - 2009

Friends of Farmer Society Khushpur, Faisalabad, Pakistan

- Worked voluntarily with farmers to understand their problems and suggest remedies.
- Assisted farmers in diagnosing plant diseases and providing sustainable solutions.



## EDUCATION

**Ph.D (Biology)** 2009 - 2013

Institute of Genetics, University of Hohenheim, Stuttgart, Germany

**M.Sc. (Hons.) Agriculture-Plant Pathology** 2007 - 2009

University of Agriculture Faisalabad

**B.Sc. (Hons.) Agriculture-Plant Pathology** 2003 - 2007

University of Agriculture Faisalabad



## PROJECTS

- Principal Investigator** - Isolation of fungal endophytes for biocontrol of *Phytophthora infestans* (2015) - Funded by Higher Education Commission, Pakistan.
- Co-Principal Investigator** - Establishment of plant disease diagnostic clinic at UAF (2019-2022) - Funded by Endowment Fund Secretariat-UAF.



## PUBLICATIONS AND PRESENTATIONS

- Published 25+ research papers in peer-reviewed journals, including *Frontiers in Plant Science* and *Plant Disease*. Presented at international conferences in Germany, Switzerland, and Pakistan. (For full list of publications, please request.)