



PROF. DR. MUHAMMAD ISHTIAQ

TENURED PROFESSOR OF BOTANY

CONTACT

Mohala Qasimabad, Ward #
2, Street # 5, H # 36, The.&
District Bhimber-10040,
AJK, Pakistan
Cell and WhatsApp:
00923445375797
00923125375797

drishtiaqajk@gmail.com
drishtiaq.bot@ajkuob.edu.pk
www.ajkuob.edu.pk

PROFICIENCY OF COMMUNICATION LANGUAGES

I have very outstanding communication skills in English, Urdu, Chinese and Arabic. My all education has been completed in English language. I have been serving as teacher and research mentor using English as mode of teaching and communication for the university students. I have also experience of dealing and communication in Chinese and Arabic in institutions and with public at-large during my visit and stay in China and Middle east states.

LEADERSHIP

I have received the “outstanding leadership experience” as I have been serving in past as

EDUCATION

M.Sc. in Botany from Quaid-e-Azam University
Islamabad, Pakistan
MPhil in Botany from Quaid-e-Azam University
Islamabad, Pakistan
PhD in Botany and-Pharmaceutics, from Zhejiang
University Hangzhou, China

KEY RESEARCH AREAS

Plant Systematics; Climate Change and Plant
Biodiversity Conservation; Pollution Mitigation;
Proteomics ; Ethnopharmacology; Ethnobotany and
Traditional Knowledge Preservation

EXPERIENCE IN ACADEMICS AND ADMINISTRATION

1-Academics

- a- Nov-1999 to 18th Mar-2008
Lecturer Biology (Govt. College), Samahni, AJK, Pakistan
- b- Mar-2008 to Dec-2009
Assistant Professor Botany, AJK University of
Muzaffarabad, AJK, Pakistan
- c- Jan-2010 to Nov-2016
Assistant Professor Botany, Mirpur University of Science
and Technology (MUST) Mirpur-10250, AJK, Pakistan
- d- Dec-2016 to Jan-2020
Associate Professor (Tenured) Botany, Mirpur University
of Science and Technology (MUST) Mirpur-10250, AJK,
Pakistan
- e- Feb-2020 to Dec-2023
Professor (Tenured) Botany, Mirpur University of Science
and Technology (MUST) Mirpur-10250, AJK, Pakistan
- f- Jan-2024 to Jun-2025 (continued)
Professor (Tenured) Botany, Azad Jammu and Kashmir
University of Bhimber, Bhimber-10040, AJK, Pakistan

2-Administration

- a- Feb-2013 to Feb-2026
Chairman, Department of Botany, Mirpur University of
Science and Technology (MUST) Mirpur-10250, AJK,
Pakistan
- b- Apr-2015 to Sep-2016

Chairpersons of different Departments, Coordinator – campus of university, Director AS&RB and Director ORIC

AWARDS AND HONORS

I have won the “Best University Teacher Award (BUTA)” from Higher Education Commission (HEC) Islamabad, Government of Pakistan.

I have been awarded “Shield of Honor” from President of State of Azad Jammu and Kashmir for producing 07 PhDs in field of Botany.

MEMBERSHIP OF SOCIETIES AND NGOS

I have been life time member of 05 international scientific Societies
I have membership of 25 NGOs, societies and bodies with performing different roles in them.

EDITOR AND REVIEWER OF INTERNATIONAL JOURNALS

I have been serving as editor and reviewer for various highly reputed international journals including springer for different countries like Switzerland, UK, USA, Canada, India, South Africa and Pakistan

- Chairman (acting), Department of English, Mirpur University of Science and Technology (MUST) Mirpur-10250, AJK, Pakistan
- c- Feb-2019 to Dec-2021
Chairman, Department of Botany, Mirpur University of Science and Technology (MUST) Mirpur-10250, AJK, Pakistan
- d- Feb-2013 to Jan-2015
Coordinator of Campus of University, Mirpur University of Science and Technology (MUST) Mirpur-10250, AJK, Pakistan
- e- Oct-2021 to Oct-2022
Director AS&RB, Mirpur University of Science and Technology (MUST) Mirpur-10250, AJK, Pakistan
- f- Jan-2024 to Jun-2025 (continued)
Director ORIC, Azad Jammu and Kashmir University of Bhimber, Bhimber-10040, AJK, Pakistan
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RESEARCH PRODUCTIVITY

1-Research Publications in Journals

- I have published 170 research publication highly reputed national and international journals.
- The impact factor of my research articles is 240.92
- The citation factor of my research articles is 4542 (google scholar)

2- Book Chapters/Books

- I have published more than 30 book chapters in well-reputed publisher group-Taylor & Francis USA.

3- Research Projects

- I have completed five different research projects and through these projects established “Climate Change Research Centre, Herbarium and Biodiversity Conservation Laboratory”.
- I have established a national level herbarium with code “-MUH” registered world herbaria network.
- I have established “nursery and research garden for research purpose of the students”.

4- Research Students Supervision

- I have supervised 07 PhD students in field of Botany and Biotechnology
 - I have supervised 70 MS/MPhil students in field of Botany and Environmental Sciences
 - I have supervised 340 BS level students in various fields of research
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ORGANIZING OF SEMINAR, SYMPOSIA, EXHIBITIONS ETC

I have a good experience in organizing different scholarly events in the university and 30 events are in my credit which have been organized by me

PARTICIPATION IN INTERNATIONAL CONFERENCES, SEMINARS

I have potential to organize and chair any international event as I have participated in 30 different events comprising of Seminars, Symposia, exhibitions etc

PATENTS AND NOVEL STRAIN OF BACTERIA

One of bacterial strain *Azospirillum oryzae* BH-16, Accession # OP976027 was discovered and registered. Three potential herbal therapeutics were prepared and their patents registration was applied.

MEMORANDUM OF UNDERSTANDING

I have assisted MoUs with different institutions and NGOs for the University.

LAB EXPERTIES

I have hand-on-experience use of 2-DE and 1-DE (Proteomics), Gel-Doc (Genomics), Bioinformatics tools, HPLC-MS, GC-MS, TLC, Phytoextraction apparatus, Spectrophotometer, GIS etc

INTERNATIONAL EVALUATOR

- a. I have served as international evaluator for projects of Society of Herbarium Curators, USA.
 - b. I have served as international evaluator for projects of Qatar National Research Foundation (QNRF), Qatar
 - c. I have served as international evaluator for projects of Higher Education Commission Federal Govt. of Pakistan
 - d. I have served as international evaluator for projects of Higher Education Commission Provincial Govt. of Punjab, Pakistan
 - e. I have served as international evaluator for projects of Pakistan Science Foundation (PSF), Islamabad, Pakistan
 - f. I have served as international evaluator for projects and MS and PhD theses of various national and international universities and NGOs.
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MEMBER OF STATUTORY BODIES OF UNIVERSITIES

I have been serving in different statutory bodies like Senate, Syndicate, Advance Studies & Research Board, ORIC, Departmental Council, Faculty Council and Academic Council, Selection Board, Public Defense of graduates, Departmental Technical Review Committee, undergraduate and graduate Examination Committee, undergraduate and graduate admission Committee, synopsis review and approval committee, Member purchase committee, Member research committee for MS and PhD scholars, member quality assurance committee (SAR), member disciplinary committees, member green and garden committee.

WORKS CONDUCTED FOR DEVELOPMENT OF DEPARTMENT AND UNIVERSITY

I have developed different curricula for different subjects, particularly "Proteomics, Bioinformatics, Climate Change & Forest Conservation; Climate Change and Agriculture adaptation strategies; I have set-up different research facilities such as molecular lab, green house, seed germplasm and medicinal garden. I have also an opportunity to preserve indigenous flora through improvement in herbarium by its digitalization.

EXPERTIES IN ON-LINE AND OFF-LINE CLASS MANAGEMENT

I have outstanding experience for on-line and on-campus teaching to different levels of students.
