

DR. ASMA GUL

Professor of Biological Sciences | PhD (Biochemistry / Molecular Biology)

PROFILE STATEMENT

An international academic executive with over 18 years of experience in higher education, scientific research, and institutional leadership. Proven expertise in human genetics, organizational development, and advanced molecular technologies, backed by postdoctoral research at the University of Cambridge.

EMPLOYMENT HISTORY

- **Professor (Biological Sciences)** | International Islamic University (IIU), Islamabad (*June 2022 – Present*)
- **Associate Professor & Chairperson (Biological Sciences)** | IIU, Islamabad (*June 2014 – June 2022; Chair 2016–2019*)
- **Postdoctoral Research Associate** | Institute of Metabolic Science, University of Cambridge, UK (*Oct 2010 – Oct 2011*)
- **Assistant Professor & Lecturer** | IIU, Islamabad (*Feb 2007 – 2014*)
- **Research Associate / Technical Assistant** | Quaid-i-Azam University / Shifa International Hospital (*2004 – 2007*)

EDUCATION & FELLOWSHIPS

- **Post Doc (Human Genetics)** | University of Cambridge, UK (*IDB Merit Scholarship*)
- **PhD in Biochemistry/Molecular Biology** | Quaid-i-Azam University, Islamabad (*HEC Indigenous Fellowship*)
- **M.Phil in Biochemistry/Molecular Biology** | Quaid-i-Azam University, Islamabad
- **M.Sc. in Zoology** | University of Arid Agriculture, Rawalpindi | **B.Sc.** | Punjab University

RESEARCH GRANTS, SUPERVISION & STUDENT PRODUCTION

- **Research Grants:** Secured major national research funding from PSF and HEC totaling over Rs. 23.7 Million across 8 key molecular biology and diagnostic projects.
- **Student Mentorship:** Produced 5 PhD graduates and supervised 25+ MS theses covering oncogenetics, hereditary syndromes, and metabolic disorders. Currently guiding 5 PhD candidates and 4 MS students.

PUBLICATIONS & ACADEMIC ENGAGEMENT

- **Publications & Peer Review:** Widely published in high-impact global journals (including *PLoS Genetics*, *Molecules*, and *BMC Medical Genetics*). Active manuscript reviewer for international journals like *Tumor Biology* and member of the editorial board for IJAS.
- **Keynotes & Conferences:** Featured international invited speaker (e.g., WANA Congress 2023) and active global delegate at platforms across 16 countries. Organized multiple national and international conferences under HEC & PSF frameworks.

PROFESSIONAL MEMBERSHIPS & TECHNICAL SKILLS

Memberships: National Curriculum Revision Committee (Biotech/Biochem) | Royal Society of Medicine | Pakistan Biological Safety Association (Lifetime) | Asian Federation of Biotechnology (AFOB) | ECNP.

Core Experimental Skills: Next Generation Sequencing (NGS) & Data Analysis, Microarray, Tissue Culturing, Automated DNA Sequencing, Linkage Analysis, PCR, ELISA.

REFERENCES

Reputable international academic references from the University of Cambridge, University of Exeter, and Quaid-I-Azam University are available upon request.