

HAMNA KHAN

M.Phil. Zoology | Academic Researcher | Technical Content Specialist, English Book Author 📍 Mianwali, Islamabad, Pakistan | ☎ +92 3007567327

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PROFESSIONAL PROFILE

Dynamic M.Phil. Zoology professional with 6 years of experience spanning academic instruction, advanced biological research, and technical writing. Proven track record in simplifying complex scientific concepts for IGCSE levels. Expert in molecular biology techniques (PCR, DNA extraction) with a secondary mastery of SEO-driven technical content creation.

TECHNICAL & CORE SKILLS

Scientific & Laboratory	Academic & Leadership	Digital & Content
DNA Extraction & Purification	IGCSE Biology	SEO Writing
Primer Designing	Educational Management	Product Description Writing
MEGA-X & Data Analysis	Student Mentorship	Microsoft Office Suite (Expert)
Genetic Association Studies	Personality Development	Creative Writing (Published Author)

EDUCATION

M.Phil. in Zoology | PMAS Arid Agriculture University | 2023 – 2025 3.65/4.00

- **Thesis: Implication of CAG repeat length in androgen receptor gene in menstrual disorders.**
- Key Coursework: Reproductive & Molecular Biology, Human Genetics, Immunology.

M.Sc. in Zoology | University of Sargodha | 2019 – 2021 3.67/4.00

- Specialization in Animal Sciences and Biological Diversity.

- **Thesis: Influence of parental involvement on career decision-making at University of Mianwali.**
 - Focused on Educational Leadership and Pedagogical Sciences.
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PROFESSIONAL EXPERIENCE

Remote Tutor | *E-Guide* | 2024 – Present

- Delivers specialized remote academic support for Cambridge IGCSE Biology, consistently improving student assessment scores through simplified conceptual teaching.

Lab Assistant | PMAS Arid Agriculture University | 2024 – 2025

- Conducted **DNA extraction and purification** from diverse biological samples including **blood and saliva**.
- Performed **ELISA** assays for hormonal and protein quantification.

Technical SEO Writer | *NexGen Impex, Lahore* | 2021 – 2024

- Engineered high-quality technical content and optimized product descriptions, significantly increasing organic website traffic.

General Teacher Internship | *GGHS Civil Station, Mianwali* | 2022(4- MONTHS)

- Coordinated faculty initiatives to elevate academic standards and implemented innovative student engagement strategies.

Teacher Assistant | *University of Mianwali* | 2023(April –August)

- Facilitated Educational Leadership lectures and led personality building sessions for undergraduate students.
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RESEARCH

Co-Author | **Public & Mental Health Study (2025)**

- Fatima, L., Khan, H., Bilal, M., Rafique, S., Siddique, S., Kanwal, M., & Irfan, M. [Prevalence of menstrual disorders and their association with sleep characteristics and mental health in Pakistani women](#). *International journal of gynaecology and obstetrics: the official organ of the International Federation of Gynaecology and Obstetrics*

Primary Researcher | Reproductive Genetics Study (2025)

- *Topic: Association of CAG repeat length in the androgen receptor gene with age at menarche and menorrhagia in Pakistani women (Under Review).*

Co-Author | Reproductive Genetics Study (2025)

- *Topic: Association of GGC repeat length in the androgen receptor gene with menstrual disorders (Under Review).*

Primary Researcher | Behavioral Sciences (2023)

- *Topic: Influence of parental involvement on career decision-making at University of Mianwali.*

HONORS & AUTHORSHIP

- **Published Author (2024):** Authored the narrative non-fiction book “*It is hard to be a 23*”, demonstrating advanced storytelling and English proficiency.
- **Co-Founder(2023):** 4th Corner Club at University of Mianwali
- **Student Ambassador (2019-2020):** Selected as Ambassador for Shaukat Khanum Memorial Cancer Hospital and Research Centre, leading awareness campaigns