

Curriculum Vitae

PERSONAL INFORMATION

Hafsa Ayub

📍 House number 825, Street 38, Block C, PWD Islamabad, Pakistan

☎ +92-333-7942472

✉ h.ayub102@yahoo.com

Gender: Female | **Nationality:** Pakistani

CNIC No: 37405-8115711-2 | **Religion:** Muslim |

CAREER OBJECTIVE

Looking for a vacancy in such an organization that helps me to develop my career as a professional that leads to further growth in professional skills and ability to work for the growth of organization by giving all my skills to my profession.

EDUCATION

MS. (Biosciences)
2022 – 2024

COMSATS Institute of Information Technology, Islamabad (PAKISTAN)
CGPA : 3.60/4.00

Major Subjects

- Advanced Microbiology and Immunology, Advance Molecular Genetics, Applied Biotechnology, Advance Microbial Genomics, Medicinal Plants

Final Year Project

- **Exploring the Inhibitory Compounds of Peganum harmala against p. Phe508del Mutated CFTR Protein to Treat Cystic Fibrosis**

My final year project was actually on Plant Pathology. The main aim of this study is to predict potential inhibitors against cystic fibrosis by the use of molecular docking of active compounds of Peganum harmala showing antiseptic properties against phe508del CFTR protein to control cystic fibrosis.

Semester Projects

- Chem 3D
- Ligplot
- Protein Fatabank
- CB Dock
- Pymol
- ANOVA, SPSS

B.S. (Biosciences)
2011 – 2015

COMSATS Institute of Information Technology, Islamabad (PAKISTAN)
CGPA : 3.15/4.00

Major Subjects

- Zoology, Botany, Cellular Biology, Molecular Biology, Microbiology, Essentials of Genetics, General Physiology, Introduction of Psychology, Environmental Biology, Evolution

Final Year Project

- **Antimicrobial activity, toxicity and anti-inflammatory potential of methanolic extracts of four ethnomedicinal plant species from Punjab**

My final year project was actually on Plant Pathology. The aim of this study was to evaluate the antioxidant activity, phytochemical composition, and the antibacterial, antifungal, cytotoxic and anti-inflammatory potential of the four medicinal plants

Semester Projects

- Specimen identification
- Dissection of Frog, Rabbit and Pigeon
- Plant species collection and identification
- Autoclave
- Laminar Flow hood
- Gel docs
- PCR
- BOD Incubator
- Shaker Incubator

HSSC (Pre-Medical)

Govt. Degree College Zafar ul Haq Road Rawalpindi (PAKISTAN)

2008 - 2011 Major Subjects	Curriculum Vitae PERCENTAGE : 61% Physics , Chemistry , Biology
SSC (Science Group) 2006 - 2008 Major Subjects	Siddeeq Public School Asghar Mall Road Rawalpindi (PAKISTAN) PERCENTAGE : 77% Physics , Chemistry , Mathematics , Biology

WORK EXPERIENCE

From May/ 2023 To Aug/ 2023	Bahria Foundation College PWD Campus
From Nov/ 2021 To Sept/ 2022	Dare Arqam School PWD Campus
From Sept/ 2019 To Sept/ 2021	Islamic International University Islamabad School PWD Campus - Develop and implement engaging lesson plans - Create a positive classroom environment - Encourage the development of motor skills - Introduce biological concept through models - By working in a team, helped me to improve my team work skills.
Skills Acquired	
From July/ 2017 To July/ 2019	Darulmadinah International School System Satellite Town Campus Rawalpindi - Sorting and sending mail, maintaining files - Answering phone calls, taking and delivering messages - Planning meetings and sending meeting invites - Directing visitors to the office - Setting up conference rooms for meetings and events - Assist Principal to perform tasks
Skills Acquired	
INTERNSHIP Apr/ 2016 To March/ 2017	Ministry of Climate Change (PAKISTAN) 1 year internship in ministry of climate change and GCISC
Aug/ 2014 To Sept/ 2014	National Agriculture Research Council 1 month internship in PGRI Assessment of Genetic Variation in Germoplasm Rice (oryza sativa) Using SDS PAGE

HONOURS & ACHIEVEMENTS

Dean's Honor Roll
Securing 3.65/4.00 GPA in Fall 2022

TECHNICAL SKILLS

Engineering Software's	Protein Databank , NCBI , Ensembl genome browser For analysing protein structures, retrieve genomic sequences and compute multiple alignment respectively
	BOD incubator. Shaker incubator, Laminar flow hood, Autoclave To use as low temperature incubator, shake substances and sterilize equipment respectively.
	Gel docs, PCR Use as for recording and analyzing the results of gel electrophoresis and amplifies a specific DNA segment into billions of copies respectively

Curriculum Vitae

MICROSOFT OFFICE

Other Software's

Full Command and Practical Experience of MS Office.

SPSS, ANOVA

Use as statistical software

PERSONAL SKILLS

- Good Team Player
- Good Communication Skills
- Enthusiasm and commitment
- Time Management

LANGUAGES

Urdu (Mother Tongue)

Listening	Reading	Writing	Speaking
Excellent	Excellent	Excellent	Excellent
English	Excellent	Excellent	Very Good

HOBBIES

Cooking, Handicrafts

REFERENCES

Will be provided on request.