

CURRICULUM VITAE

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1. EDUCATIONAL BACK GROUND

Year	Degree	Subject	Institution/ University	CGPA/%
2025	Ph.D.	Biotechnology	Mirpur University of Science and Technology (MUST) Mirpur A.K	4/4
2013	MPhil	Biochemistry/ Molecular Biology	Quaid-i-Azam University Islamabad, Pakistan	4.5/5
2011	MSc	Biochemistry/ Molecular Biology	Quaid-i-Azam University Islamabad, Pakistan	88.1%
2008	BSc	Zoology, Botany, Chemistry	University of the Punjab, Pakistan	64%
2006	HSSC	Pre Medical	FBISE Islamabad, Pakistan	77.9%
2003	SSC	Science	FBISE Islamabad, Pakistan	85.8%

2. PROFESSIONAL EXPERIENCE:

S. No.	Date of Appointment	Designation	Department	University/ Institution
1	06.02.15- Todate	Lecturer	Biotechnology	Mirpur University of Science and Technology, MUST Mirpur A.K

3. AWARDS AND HONORS:

Presidents Gold Medal for standing first in MSc in the Faculty of Biological Sciences Quaid-i-Azam University Islamabad.

Chancellors Medal for standing first in MSc in the Department of Biochemistry Quaid-i-Azam University Islamabad.

Vice Chancellors Medal for standing first in MPhil in the Department of Biochemistry Quaid-i-Azam University Islamabad.

Awarded with **International Research Support Initiative Program (IRSIP)** scholarship by HEC Pakistan for performing PhD research work at University of Warwick, UK in 2021.

4. ADMINISTRATION: Nil

5. RESEARCH GRANTS RECEIVED AS PRINCIPLE INVESTIGATOR:

S.No.	Title of Research Project	Year/ Duration	Funding Agency	Amount Rs.
1.	Anti ulcer and anti inflammatory activity of <i>Colebrookea oppositifolia</i>	2017-2018	ORIC MUST	250,000

6. ACADEMIC PERFORMANCE:

- a. M. Phil. Students Co-Supervised: 4
- b. BS. Students Supervised: 9

7. PUBLICATIONS :

Yasin R, Rashid GMM, Ali I, Bugg TDH. Engineering of *Rhodococcus jostii* RHA1 for utilisation of carboxymethylcellulose. Heliyon. 2023 Aug 25;9(9):e19511. doi: 10.1016/j.heliyon.2023.e19511.

Sharif, A., Ali, A., Amjad, M., Ismatullah, H., Latief, N., Javaid, B., Tariq, M., Yasin, R. and Rafiq, M., 2025. Therapeutic potential of *Cydonia oblonga* extracts for anti-urease and antibacterial activities to cure urinary tract infections. Journal of Agriculture and Food Research, 19, p.101590.

8. COURSES TAUGHT AT UNDERGRADUATE LEVEL:

- i. Biochemistry I
- ii. Biochemistry II
- iii. Molecular Biology
- iv. Methods in Molecular Biology
- v. Animal Biotechnology
- vi. Molecular Diagnostics
- vii. Agriculture Biotechnology
- viii. Industrial Biotechnology

9. TECHNICAL SKILLS:

DNA, RNA extraction, Primer Designing, DNA Sequencing, Agarose Gel Electrophoresis, SDS PAGE, PCR, Recombinant DNA technology, Chromatographic Techniques, Enzyme Assays, Metabolic Engineering, HPLC etc.

10. CURRENT RESEARCH INTEREST:

- i. Expression and engineering of industrial enzymes for improved characteristics
- ii. Isolation and characterization of antibiotic and enzyme producing microorganism

11. CONFERENCES AND SEMINARS:

- i. 1st International Hybrid Mode Conference on Emerging Innovative Research Trends in Biology (EIRTB-2021)
- ii. One day National conference of Molecular Biology organized by Quaid-i-Azam University Islamabad 21 Feb, 2012
- iii. Two Day international Seminar entitled 'Adaptation Options in Agriculture to Climate Change' organized by MUST.
- iv. Participated in Hands on Training workshop on Quantitative Real-Time PCR on 16-17 Aug, 2021 at NUMS, Islamabad
- v. Participated in 3 days workshop on Essential of Research on 13-15 Jan, 2021 by MUST, Mirpur
- vi. One day workshop on Research paper Writing and Presentation 2021 by ORIC, MUST, Mirpur.
- vii. Training Session on 5 Tips for getting Published: Maximize your chances to get your paper Accepted in Academic Journals. October 27, 2020 by HEC.
- viii. Training Session on How to manage your References Using Refworks October 26, 2020 by HEC.
- ix. E-Seminar: Designing, Troubleshooting, and Applications of PCR Primers conducted on 18 May 2020 by Pakistan Association of Biotechnologists.
- x. National Summer School on CRISPR-Cas9 Genome Editing held on 19-22 July , 2018 at codon crops lab Rwp.
- xi. Next Generation sequencing data analysis on 14-16 Nov, 2018 organized by Next Gene Solution at PASTIC Islamabad.
- xii. One day workshop on Biosafety and Biosecurity for scientists 10 Jan, 2018 at Department of Biotechnology, Mirpur University of Science and Technology (MUST) Mirpur A.K
- xiii. Recombinant Protein Production and Purification. 06-11 Nov, 2017 organized by School of Biological Sciences University of the Punjab.
- xiv. Two days workshop on Flowcytometry: Principles, Applications and Data Analysis held on 25-26 Oct 2017 at Alpha Genomics.
- xv. Two Days National symposium in Biosafety, Biosecurity and Risk Assessment held at university of Gujrat on 5-6 Oct, 2017.
- xvi. Training workshop on exome sequence data analysis organized by Department of Biochemistry, Quaid-i-Azam University, Islamabad on 13-14 April, 2017.

12. ABSTRACTS: Nil

13. REFERENCES

- i. Prof. Dr Wasim Ahmed (Department of Biochemistry, QAU Islamabad).
- ii. Prof. Dr TDH Bugg (University of Warwick U.K)
- iii. Dr. Imran Ali (Department of Biotechnology, MUST, Mirpur A.K).
- iv. Dr. M. Trariq (Department of Biotechnology, MUST, Mirpur A.K).