

PERSONAL INFORMATION

Hamid Muzmmal Khan

Biotechnologist

Narowal, Punjab, Pakistan

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EDUCATION

Master of Philosophy in Biotechnology/M.Phil (CGPA 3.65/4.0) (2021-2023)

University of Agriculture, Faisalabad, Pakistan. (<https://web.uaf.edu.pk/>)

Thesis: “Isolation and characterization of microbial communities from the root of *Cicer arietinum* (Chickpeas)”

Master of Science in Biotechnology/MS.c (CGPA 3.64/4.0) (2019-2021)

University of Central Punjab, Lahore, Pakistan. (<https://ucp.edu.pk/>)

Thesis: “Identification and Characterization of laccase enzyme from *Aspergillus oryzae* and *Aspergillus niger*”

Bachelor of Science in (Botany, Zoology, Chemistry)/BSc. (2016-2018)

University of the Punjab, Lahore, Pakistan. (<http://www.pu.edu.pk/>)

EXPERIENCE

- ❖ During my undergraduate studies, I served as a research assistant in the biochemistry and biotechnology lab at the University of Central Punjab, Lahore.
- ❖ One year of research experience as researcher in virology lab at the CABB department, UAF, Pakistan.
- ❖ Worked as a biology teacher for 2 years at Stars Academy, Lahore.

UNDERGRADUATE WORKS

- ❖ **Tissue Culturing**
I have hands-on training in tissue culture acquired during undergraduate botany labs.
- ❖ **Cutting and Dissection**
I have hands-on training in the cutting and dissection of cockroaches and mice gained during undergraduate zoology labs.
- ❖ **Gram staining and Microscopy**
I have hands-on training in Gram staining and microscopy acquired during undergraduate labs

SKILLS

- ❖ Proficient in solution preparation and media formulation.
- ❖ Experienced in Genomic and Plasmid DNA extraction
- ❖ DNA extraction from plants and blood.
- ❖ Skilled in Gel Electrophoresis.
- ❖ Competent in Gram staining and microscopy.
- ❖ Proficient in PCR techniques.
- ❖ Familiar with a variety of laboratory techniques.

DIGITAL SKILLS

- ❖ MS Office
- ❖ Photoshop
- ❖ BLAST
- ❖ MEGA
- ❖ Digital Marketing

LANGUAGES

- ❖ English
- ❖ Urdu
- ❖ Punjabi

PUBLICATIONS

Khan, H. M., Manan, A., Shah, S. A. H., & Raheem, M. A. (2022). A Systematic Review on Isolation, Identification, and Characterization of *Agrobacterium tumefaciens* from Leguminous Plants. *Middle East Journal of Applied Science & Technology*, 05(04), 13–17. doi:10.46431/mejast.2022.5403.

<https://mejast.com/data/uploads/87363.pdf>

Khan, H. M., Bin Sajid, H., Manan, A., Awan, M. H., Hussain, I., Muhammad, &, & Raheem, A. (2023). A Systemic Review of Lumpy Skin Disease Virus (LSDV) And its Emergence in Pakistan. *Middle East Journal of Applied Science & Technology (MEJAST)*, 6(3) 19-30. doi:10.46431/MEJAST.2023.6303.

<https://mejast.com/a-systemic-review-of-lumpy-skin-disease-virus-lsdv-and-its-emergence-in-pakistan.html>

AWARDS AND CERTIFICATES

- ❖ Recent Approaches in Plant Sciences (RAPS-2022) University of Education, Lahore, Pakistan. [Lahore, 30 Mar 2022 – 31 Mar 2022].
- ❖ Emerging respiratory viruses, including COVID-19: methods for detection, prevention, response and control World Health Organization. [13 Dec 2020].
- ❖ WHO COVID-19 Mass Gatherings Risk Assessment Training World Health Organization [13 Dec 2020].

- ❖ Certificate of Achievement in Annual Sports Gala 2023 University of Agriculture, Faisalabad, Pakistan. [31 Mar 2023].