

ANEESA NAYAB

Pakistan, Mardan 23200 | aneesa.nayab@awkum.edu.pk

Professional Summary

A passionate plant microbiologist interested in plants-microbes interaction. My research focuses primarily on how plants interact with multiple organisms in their environment and the intriguing effects of beneficial soil microbes on plant tolerance to stress, and its impact on above- and below-ground biotic interactions. Proficient in conducting laboratory and field experiments. Adaptive team player with in-depth knowledge of data collection.

Skills

- Isolation of microbes
- Spectrophotometry (AAS)
- High-performance liquid chromatography (HPLC)
- Experiment management
- Research and analysis

Work History

Work as a visiting lecturer at women university Swabi form 6 September 2019 till 22 July 2021.

Work as a fixed pay lecturer at university of Swabi from 28 October 2021 till 25 April 2022.

Work as a visiting lecturer at university of Swabi from 25 April 2022 till 18 January 2023.

Working as a fixed pay lecturer at Women University Mardan.

- Performed wet lab experiments.
- Evaluated existing research techniques to recommend improvements.
- Managed sampling and characterization of microbial strains.
- Work as timetable coordinator.

Researcher

Department of Botany, Abdul Wali Khan University – Mardan, Pakistan

- Performed wet-lab scientific research.
- Isolation and characterizations of microbes.
- Experiment designs and data analysis.
- High-performance liquid chromatography (HPLC).

Education

Doctor of Philosophy: Plant-microbes Interaction In progress
Abdul Wali Khan University - Mardan, Pakistan

- Thesis: Effect of exopolysaccharides producing Endophytic fungi on growth of canola under salt stress.

Master of Philosophy: 2019
Abdul Wali Khan University - Mardan, Pakistan

- Thesis: Effect of Root Exudates, IAA and Flavonoids on Nostoc Association with Rice Root.

Master of Education: Teaching of science 2015
Sarhad University Peshawar - Peshawar, Pakistan

Bachelor of Education: Teaching of science 2014
Institute of Education and Research University of Peshawar - Peshawar, Pakistan

Master of Science: Plant Sciences 2013
University of Peshawar - Peshawar, Pakistan

Bachelor of Science: Biological and Physical Science 2011
Abdul Wail Khan University - Mardan, Pakistan

Publications

- Ziaullah, S., Asim, S., Nayab, A. and Zahid, A. (2020) “IAA production and maize crop growth promoting potential of endophyte *Aspergillus niger* (AO11) under salt stress”, *Current Botany*, 11, pp. 175-181.
- Bibi, S., Khan, M.F., Rehman, A., Shah, M., Nouroz, F. and Nayab, A., 2020. The complete mitochondrial genome of blue pansy, *Junonia orithya* (Lepidoptera: Nymphalidae: Nymphalinae) from Pakistan. *Mitochondrial DNA Part B*, 5(3), pp.2143-2144.

Additional Information

- Supervised three BS students at Women University Mardan.
- Attend Seminar on Endophytic Fungi for Sustainable Agriculture Current & Future Challenges on 21 March 2023 at Department of Botany, University of Swabi, Pakistan.
- Certificate of participation in virtual training of trainers on capacity building of academic leadership in advance research, teaching methodology, and services provision held from 7th March 2022 to 26th May 2022. Organized by Kohat University of Science & Technology and University of Kentucky United States (USEFP).
- Online Attend Gulf Higher Education Conference on October 10-11th, 2021.
- Certificate of participation in one-day seminar on N-node organized by AWKUM.
- Certificate of participation and Training on Mushroom Cultivation organized by “National Vocational and Technical Training Commission (NAVTTTC)” in April 2022.