



MUHAMMAD WASIM QASIM

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About Me

Research is something that interests me greatly, and I would like to work in an atmosphere that would push me creatively, intellectually, and professionally so that I may reach my full potential. As a result, I will be able to concentrate on my next goals and contribute significantly to the organization's objective.

Education

Master of Philosophy—Botany

University of Agriculture Faisalabad, Pakistan. [09/2020-12/2022] CGPA: 3.37/4.00 Grade-B

Thesis Title: “ Joint study on metabolomics and genomics of highland Barley (*Hordeum vulgare* L.) in the context of increase rainfall and nitrogen deposition”

<https://web.uaf.edu.pk/>

Bachelor of Science---Botany

Ghazi University Dera Ghazi Khan, Pakistan [09/2015-09/2019] CGPA: 3.52/4.00 --B

Report Title: “Incidence of disease on vegetables in dg khan Area”

<https://www.gudgk.edu.pk/>

Educational Experience

- Lecturer in botany at Beacon Light College Fateh Pur Layyah
- Work as a biology teacher in the Zakria educational system Layyah
- Work as a science teacher in Misali Rafiq School Layyah

Honor and Awards

- Punjab Educational Endowment Fund (PEEF) Scholarship during 2012-2014
- Laptop awarded by the Prime Minister of Pakistan on a merit basis in 2018
- Solar system awarded by Chief Minister's Ujala Program, Punjab, Pakistan on a merit basis in 2013

Computer Expertise

- MS Office (MS Word, MS PowerPoint, MS Excel)
- Other web-based applications
- Statistical Analysis of Data

Interpersonal Expertise

- Quickly identify, define, and solve developing problems. Work efficiently and adequately on an independent basis and as part of a team.
- Flexible and capable of working under high pressure. Consistently ensure productive and high quality work, and meet specifications and deadlines promptly.
- Excellent communication skills with a highly adaptive attitude and inclined to do things in a better way.

Technical and Lab Expertise

- Chlorophyll meter
- PCR techniques
- Weighing of samples
- Different solutions making
- Research trial planning
- Data analysis and scientific writing
- Centrifugation
- Distillation
- Hot Plate
- Flame photometry
- Water Bath
- Spectrophotometry
- Section Cutting and Staining process

Subject Expertise

I have a good command of the following subjects related to botany,

- Plant physiology Ecology
- Water relation of plants
- Radiation and Molecular Biology
- Cell Biology, Genetics and Evolution
- Biodiversity and Conservation
- Mycology & Plant Pathology
- Plant Anatomy
- Bacteriology & Virology

Conference and Certificate (s)

- 1st International Symposium on Current and Future Perspective in Botanical Research” held in Okara (Nov. 10, 2020). Titles of papers presented:
- The Impact of Domestication on Nitrogen Fixation in Chickpeas by Prof. Dr. Douglas R. Cook
- Green Infrastructure! An Ultimate Way to Mitigate Smog by Prof. Dr. Farah Khan.
- Coastal Agricultural Livelihood and Ecosystem Services Vulnerability to Climate and Land-Use Change in Bangladesh by Dr. M. Zia ul Hoque.
- Discovery of Antimicrobial and Anticancer drug Candidates from Actino-bacteria of the Unique Ecological niche in Pakistan Prof. Dr. Imran Sajid.

- A Survey Report of Disease Fields of District; Swabi, Buner, Haripur, and Mardan Province of Khyber Pakhtunkhwa by Dr. Gulnaz Parveen. International Seminar on “Potassium for Sustainable Crop Production in Pakistan”. April 18, 2017. ISES, University of Agriculture, Faisalabad-Pakistan
- Participated as a member in an international webinar on “RECENT TRENDS, CAREER CHALLENGES AND OPPORTUNITIES IN PLANT SCIENCES” on dates 18th and 19th September 2020. This webinar was arranged by “The DEPARTMENT OF BOTANY” in “RAYALSEEMA UNIVERSITY: KURNOOL, A.P., INDIA”
- Participated in the two days international web- conference on “SOCIO-ECONOMIC AND ENVIRONMENTAL IMPACT OF COVID-19 ON HUMAN BEINGS” held on 14th and 15th October 2020, organized by the University Department of Botany, Kolhan University, Chaibasa, Jharkhand, India

Published Articles (s)

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- Hussain, Musawir, Abdul Rauf, Muhammad Shafqat, Asifa Ghafoor, Nelofar Ansari, **Muhammad Wasim Qasim**, Muhammad Shakeel, and Muhammad Faraz Ali. "Physiological Growth of Sunflower with Treatment of Copper." (2020).
- Shafqat, Muhammad, Fatima Qasim, Uzma Nasrullah, Mutloob Ahmad, Musawir Hussain, Haidar Ali, Samavia Noreen, and **Muhammad Wasim Qasim**. "DNA Barcoding in Plants and Current Molecular Issues." Sch. Int. J. Biochem. (2020): 03.
 - **Muhammad Wasim Qasim**, Mukhtar Hassan, Aleeza Rafique, Muafia Baigum, Zunaira Naeem, Muhammad Rashid, Saleha Ashfaq, Tahira Akram and Muhammad Sajjad. 2023. Current advances in medicinal plants, plant Physiology, eco-agricultural sciences, and modern applications for coping the plant stresses. Haya; The Saudi Journal of Life Sciences. Manuscript submitted. https://saudijournals.com/media/articles/SB_101_26-31.pdf
 - Azka Saleem, **Muhammad Wasim Qasim**, Aziz Ahmad, Amna Bibi, Ijaz ul Haq, Arshad Abbas Khan, Ayesha, Muhammad Sajjad, Raja Umair. 2023. Recent Advances in photosynthesis, plant Hormones, and applications in plant growth. Haya; The Saudi Journal of Life Sciences. Manuscript submitted

Academic Reference (s)

1. Associate Professor

Agronomy
University of Agriculture Faisalabad
Name: Dr. Athar Mahmood
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2. Associate Professor

Botany
University of Agriculture Faisalabad
Name: Dr. Muhammad Shahbaz
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3. Associate Professor

Botany

University of Agriculture Faisalabad

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