



Misbah kalsoom

ID: 35501-0386284-4 Date of birth: 31/12/1999

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Website: https://scholar.google.com/citations?hl=en&user=_k02fkAAAAJ

Home: Nankana sahib (Pakistan)

EDUCATION AND TRAINING

Mphil in Botany

government college university lahore [15/10/2021 – 09/2023]

City: Lahore | Country: Pakistan | Website: gcu.edu.pk | Final grade: 3.11/4 | Thesis: Uptake of Sodium and Lithium in Oryza Sativa L.CV. Super kainat exposed to different concentrations of NaCl and LiCl.

Research Experience:

- Designed and conducted experiments on rice under NaCl and LiCl stress.
- Measured ion uptake, accumulation patterns, and physiological responses.
- Performed biochemical assays to assess stress indicators (osmolytes, antioxidants).
- Findings contributed to understanding salinity and lithium tolerance mechanisms in rice.

Bachelors in Botany

government college university faisalabad [05/09/2017 – 20/07/2020]

City: Faisalabad | Country: Pakistan | Website: gcuf.edu.pk | Final grade: 3.36/4 | Thesis: Special paper: Phytohormones,Plant tissue culture,Plant stress physiology.

PUBLICATIONS

[2025]

Taxonomic investigation of Powdery Mildew in agror valley, Mansehra

Link: <https://theprj.org/index.php/1/article/view/737>

[2025]

Effects of conservation Tillage and integrated nutrient management on Maize growth, yield, and soil health.

Link: <https://theprj.org/index.php/1/article/view/699>

[2025]

Salt Mediated Morpho-Anatomical and Nutrient Responses in Hydroponically grown Tomato (*Solanum lycopersicum* L.) Under Different Organic Media

Link: <https://saspublishers.com/article/22703/>

SKILLS

Python ,R / Microsoft Office / Advanced Scientific Techniques / Data Management & Analysis / Research skills / Communication & Academic Writing

ONLINE COURSES

[30/06/2025 – 30/06/2025]

An introduction to floodplain meadows.

Link: <https://www.open.edu/openlearn/nature-environment/an-introduction-floodplain-meadows/content-section-overview>

[02/07/2025 – 02/07/2025]

Climate change:transitions to sustainability

Link: <https://www.open.edu/openlearn/nature-environment/environmental-studies/climate-change-transitions-sustainability/content-section-0>

[04/07/2025 – 04/07/2025]

Introducing the environment: Ecology and ecosystem

Link: <https://www.open.edu/openlearn/nature-environment/environmental-studies/introducing-the-environment-ecology-and-ecosystems/content-section-0>

[05/07/2025 – 05/07/2025]

Planning seed and seedling supply for forest and landscape restoration

Link: <https://elearning.fao.org/admin/tool/certificate/index.php?code=9949410300MK>

[03/07/2025 – 03/07/2025]

Engaging the private sector through local public-private partnerships (PPPs) for sustainable water and sanitation in Asia

Link: <https://elearning-adbi.org/certificate-verifier/?&code=128700-175-151-3049>

RESEARCH INTERESTS

- Plant Stress Physiology • Molecular Plant Stress Response • Plant Molecular Genetics • Crop Improvement for Stress Resilience • Climate Change Biology • Environmental Stress Management

CONFERENCES AND SEMINARS

[26/03/2019 – 28/03/2019] Faisalabad

water saving and plant production strategies constraints and implication for sustainable agriculture

HONOURS AND AWARDS

[2018] government college university faisalabad

Awarded Laptop under PM Laptop scheme

WORK EXPERIENCE

 **Madina tul ilm higher secondary school** – Nankana sahib, Pakistan

City: Nankana sahib | Country: Pakistan

Biology teacher

[08/2022 – 08/2023]

- Assess students
- Curriculum objectives

RECOMMENDATIONS

Name: Dr.Zafar Siddiq | Associate Professor of Botany

Dr.Zafar Siddiq has completed his phd from USAS China .he has done his Botanic garden diploma from Kew UK. currently he is serving as Associate professor of Botany in Government college university Lahore.I have done my Mphil Thesis under the supervision of Dr. Zafar Siddiq. He is my teacher and mentor.He is a quick thinker, has an analytical mind with exceptional research skills.

Email: dr.zafarsiddiq@gcu.edu.pk

Name: Dr. Muhammad Hanif | Assistant professor of Botany

Dr.Hanif is an assistant professor at Government college university Lahore. After complering his PHD from (Pu,Pk &imperial college ,London,Uk) he is serving at government college university lahore.

Email: dr.mhanif@gcu.edu.pk

LANGUAGE SKILLS

Mother tongue(s): Urdu

Other language(s):

English

LISTENING B2 READING C1 WRITING C2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

Panjabi; Punjabi

LISTENING C2 READING C2 WRITING C1

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user