



Muhammad Jamshed Latif

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ABOUT ME

As a highly motivated researcher with expertise in the design and synthesis of morphologically controlled photocatalysts. My work is dedicated to addressing critical environmental challenges, specifically through innovative solutions for organic wastewater treatment and sustainable energy application. I am eager to contribute my skills and research to advance both fields.

EDUCATION AND TRAINING

12/03/2026 – CURRENT Shenzhen, China
DOCTORATE AND RESEARCH ASSISTANT Shenzhen University

Level in EQF EQF level 2

02/09/2021 – 15/11/2023
MASTER OF PHILOSOPHY CHEMISTRY University of Agriculture Faisalabad, Punjab, Pakistan

Final grade 3.79/4.0 | **Thesis** Synthesis and Catalytic Application of Zinc Oxide/Sodium Alginate/ Carbon Nitride: A New Composite

02/02/2021 – 06/08/2023
BACHELOR OF EDUCATION Allama Iqbal Open University, Faisalabad Campus, Punjab, Pakistan

Final grade 72%

06/07/2017 – 06/08/2021
BACHELOR OF SCIENCES IN CHEMISTRY Government College University Faisalabad, Punjab, Pakistan

Field of study Chemistry | **Final grade** 3.78/4.0

PUBLICATIONS

Published 16 Research Articles.

Published 16 research articles, including 2 as first author, in international journals with an impact factor of 8.5. 3 articles as 2nd author with equal contribution with 1st author and Co-authored 11 papers in high-ranking international journals. Received 120+ independent citations.

WORK EXPERIENCE

RESEARCH ASSISTANT – UNIVERSITY OF EDUCATION LAHORE – 06/01/2025 – 31/12/2025 – FAISLABABAD, PAKISTAN

Operating instruments, Fourier Transform Infrared Spectroscopy (FTIR), Diamond ATR, Particles Analyzer, UV-Visible Spectrophotometer, High Precision pH Meter and Conductivity Meter

TEACHER ASSISTANT – UNIVERSITY OF AGRICULTURE, FAISALABAD, PUNJAB, PAKISTAN – 14/02/2023 – 13/06/2023 – PAKISTAN

STUDENT INTERNSHIP – ALLAM IQBAL OPEN UNIVERSITY FAISALABAD – 15/02/2023 – 19/03/2023 – FAISALABAD, PAKISTAN

INSTRUMENT TECHNICIAN

- Operated and maintained research instruments including UV-Visible Spectrophotometer, SEM with EDX, Rotatory Evaporator, Diamond ATR-FTIR, XRD, Particle Analyzer, Polarimeter, Sonicator, Heat Reflux system, TGA, and HPLC.
- Prepared chemical solutions and handled laboratory instrumentation with strict adherence to safety protocols.

1. Experienced in organizing over 10 national and international conferences, symposiums, and workshops
2. Coordinated event logistics, scheduling, and participant communication
3. Managed teams for smooth execution of academic events
4. Facilitated collaboration between organizers, speakers, and attendees.

CONTENT EDITING AND REVIEWING SPECIALIST – 12/08/2022 – Current

1. Reviewed and edited over 50 research articles to ensure high-quality content presentation.
2. Directed research focus, drafted original manuscripts, and prepared publication materials, including graphs, spectra, and structures.
3. Evaluated and addressed reviewer comments for more than 100 manuscripts across various journals.
4. Guided manuscript preparation, journal selection, submission, and revision processes from initial draft to online publication.
5. Managed all editorial challenges to ensure timely publication in compliance with journal requirements.

LABORATORY SUPERVISOR AND RESEARCH SUPPORT SPECIALIST – 12/08/2022 – 27/12/2024

1. Guided and reviewed theses and research articles, providing comprehensive assistance in laboratory and instrumentation management.
2. Handled synthesis protocols and instrument operation, offering direction on experimental design and implementation.
3. Assisted researchers in using specialized software including Origin, Match, ChemDraw, Design Expert, EndNote, VESTA, ImageJ, and MATLAB.
4. Demonstrated and operated advanced instruments such as UV-Visible Double Beam Spectrophotometer, Dynamic Light Scattering, Diamond ATR, FTIR, XRD and Zetasizer.
5. Managed various types of disease samples with attention to safety protocols.
6. Exhibited leadership, team collaboration, administrative skills, and effective communication throughout laboratory activities.

CONFERENCES AND SEMINARS

02/03/2022 – 03/03/2022 University of Agriculture Faisalabad-Pakistan

Certificate of appreciation to attend two day Symposium on Writing Science & Leveraging Scientific Research (WLSLR-2022)

04/07/2022 – 05/07/2022 University of Agriculture Faisalabad Pakistan

Certificate of appreciation for participation in workshop of Frontiers in Computation Chemistry

15/03/2023 – 17/03/2023 University of Agriculture Faisalabad-Pakistan

Certificate of appreciation for participating in the International Conference of Chemistry, Materials & Technology (CMT-2023)

21/12/2022 – 22/12/2022 UAF-Community College PARS-Pakistan

Certificate of Participation in Two Day Workshop on the Use of Essential Software In Academic Writing

26/10/2022 – 28/10/2022 UAF-Community College PARS-Pakistan

Certificate of Participation in International Conference on Interdisciplinary Research Innovations

24/03/2022 – 25/03/2022 UAF-Community College PARS-Pakistan

Certificate of appreciation to attend two-day workshop on Environmental, Health and Social Benefits of Plantation

20/02/2022 – 21/02/2022 UAF-Community College PARS-Pakistan

Certificate of appreciation to participate in Science Exhibition-2022

VOLUNTEERING

04/04/2022 – 04/08/2023 University of Agriculture Faisalabad, Pakistan

Volunteering and Event Support

1. Managed and operated a stall at the Jaggery Fair, demonstrating the process of jaggery preparation from sugarcane juice and explaining its chemistry to attendees. Distributed jaggery samples to the audience, enhancing engagement and awareness.
2. Provided essential support at sporting events, including staffing and stocking fuel stations, preparing shakes and snacks for athletes, and assisting with equipment and meal preparation.
3. Contributed to the Freedom School Summer Meal Program, helping to serve nearly 300 meals daily to children, ensuring nutritional support and efficient program operations.

ADDITIONAL INFORMATION

06/03/2026 – CURRENT

Win Liyuan International Scholarship

30/12/2017 – 05/08/2021

Awarded Punjab Educational Fund merit-based scholarship

08/03/2024

Delivered an oral presentation at the International Symposium, University of the Punjab, Lahore, Pakistan.

“One Day Symposium on Recent Trends in Industrial Chemistry and Optics” University of the Punjab, Lahore, Pakistan. I am proud to say that I successfully presented my oral presentation on the topic Zinc oxide/N-doped carbon nitride/Sodium alginate: A biodegradable composite for industrial waste water, as a speaker at the Punjab University Lahore One Day Symposium on Recent Trends in Industrial Chemistry and Optics. It was an honor to participate in this event, organized by the School of Physical Sciences at the University of the Punjab, Lahore, Pakistan. I am grateful for the opportunity to share my knowledge and research on such an important topic and am thrilled that audience well received it.

22/12/2022

Best Management Award, for organizing the Two-Day Workshop on the Use of Essential Software in Academic Writing, University of Agriculture Faisalabad, Pakistan.

Organizing Committee Member, International Conference on Chemistry, Materials, and Technology, Post Graduate Agriculture Research Station (PARS), Faisalabad, Pakistan

Hobbies and Interests

1. Footballs
2. Gaming
3. Gym and Fitness

LANGUAGE SKILLS

English, Urdu, Punjabi
