

# Maria Abdullah Butt

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## Education

- **Ph.D** Environmental Sciences (2024) College of Earth and Environmental Sciences, University of the Punjab, Lahore
- **MS** Environmental Sciences, College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan (2015)
- **BS (Hons)** Environmental Sciences, College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan (2013)

## Research Interests

- Environmental Chemistry
- Waste characterization and management.
- Environmental toxicology
- Wastewater/drinking water treatment through Nano-technology
- Environmental Management System (EMS)
- Environmental Impact Assessment (EIA)
- Environmental applications of nano materials
- Renewable Energy

## Work Experience

- Working as IPFP Fellow Lecturer in Environmental Sciences Department University of Narowal Since 8<sup>th</sup> Dec. 2025
- Co-Supervised 2 students of M. Phil students in their research.
- Worked as PhD Scholar in Applied Chemistry Research Center, PCSIR Laboratories Complex Lahore and assessed and remained involved in multiple project in Center from 2018 to 2023.
- Worked as a Lecturer in Environmental Sciences Department University of Narowal from October 2024 to November 2025.

## Publications

- Imran, M., **Butt, M. A.**, Batool, I., Kanwal, S., Zeb, H., & Majeed, A. (2025). *Ecological and socioeconomic consequences of coral reef degradation*. *Kashf Journal of Multidisciplinary Research*, 2(12), 1–42
- Safdar, K., **Butt, M. A.**, Batool, N., Kanwal, S., Batool, I., Yousaf, K., & Anwar, M. (2025). *Sources of air pollution in relation to public health and environment*. *Kashf Journal of Multidisciplinary Research*, 2(12), 62-94
- Mola Bakhsh, M. Z., Jilani, T. A., Ilyas, S., Bin Kaleem, M. I., Ul Ain, N., Hayat, U., **Butt, M. A.**, & Ishtiaq, M. (2025). *Hydroponic evaluation and principal component analysis of early vigor traits in wheat (*Triticum aestivum* L.) genotypes*. *AM Research Review*, 3(12), 3007–3189.
- **Maria A. Butt**, Muhammad N. Chaudhary, Sajid R. Ahmed, Muhammad Zaheer, Muhammad Naem, One-pot environment friendly synthesis of imine derivative of furfural and assessment of its antioxidant and antibacterial potential, *European Chemical Bulletin*. DOI: 10.53555/ecb/2024.13.01.392024.29/01/2024
- **Maria A. Butt**, Sajid R. Ahmed, Muhammad N. Chaudhary, Muhammad Zaheer, Rabia. Nazir, Muhammad Zia-ur-rehman, Syed N. Husain, Environment Friendly Synthesis of Novel Schiff base- Derived nano Metal Complexes using Green Solvents for enhanced

biological Activity, Polish Journal of Environmental Studies. Issue: 6/2024 vol. 33. DOI: 10.15244/pjoes/188043)

- H.M.U.Aslam, **M.A,Butt**, F.Bareen, M.Shafiq, F.A.Butt, M. Shahid, A. Javaid and A. Husnain. Organic waste composting: A resource recovery approach towards sustainable environment. Proceedings of World Conference on Waste Management, (Vol.1, Issue 2, 2019, pp. 30-41) ISSN 2651-0251

### **Professional Trainings/Seminars**

- Attended 3 weeks IPFP Training on Professional Development from 3<sup>rd</sup> Oct 2025 to 21 Oct. 2025.
- Worked as an Intern in Quality Health and Environment Department of Pak Elektron Limited (PEL) from August 11, 2012, to September 10, 2012.
- May 20-22, 2015: 1<sup>st</sup> International Conference on “Energy Systems for Sustainable Development 2014 (ESSD 2014) held at COMSATS, Lahore.
- January 24, 2012: Participated in a Technical talk on “Tectonics: An Exploration Tool” at College of Earth and Environmental Sciences, University of The Punjab, Lahore.
- May 12, 2012: Workshop on Research Methodology organized by The Nature Conservation and Protection Society.
- August 2012: Seminar on New Solid Waste Management System in Lahore and Role of Citizens organized by Lahore Waste Management Company.
- June 5, 2012: Seminar Organized by Punjab Forest Department in collaboration with University of the Punjab.
- June 16, 2012: Training Course on Environment Management System (ISO 14001-2004) organizes under Klimatech Environmental Club.

### **Research Work/Projects**

Contributed as a co-investigator in the following research projects and thesis

**2025:** A Sustainable Low-Cost Method of Wheat Straw Valorization with Calcium for Dye Removal from Wastewater.

**2025:** Utilizing Wheat Straw for Green Synthesis of Zinc and Copper Nano-particle: Insight into Doping and Water Purification

**2015:** Removal of Reactive and Basic Dye from Industrial Wastewater by using Kaolinite Nanoparticles doped with Zinc and Copper-Calcium and Assessment of their anti-microbial activity.

**2013:** Pioneering PU organic waste composting: Development of Enclosed passive aerated vessel and its composting efficiency

### **Scholarships/Awards**

- Indigenous Ph.D Scholarship holder from Higher Education of Pakistan.
- Departmental Marit Scholarship holder in BS from College of Earth and Environmental Sciences

**Skills**

**Communication:** First-rate verbal and written communication skills both in an office environment and with external stakeholders; Excellent report writing skills showing clarity and brevity as a fieldwork assistant; Experienced at giving presentations using Microsoft Office tools.

**Organization and Time Management:** Ability to manage timelines and prioritize workload to meet study, work and extracurricular commitments.

**Analytical and Problem Solving:** Endowed with excellent ability to use logic and critical thinking to analyze a situation and produce a solution to a problem.

**Other:** Self-motivated, flexible, disciplined, confident, and goal-oriented; Enthusiastic, dedicated to the challenge of helping other people; Able to relocate/travel as needed.

**Personal Profile**

Age: 36, Civil status: Married, Nationality: Pakistani

