Dr. ATIRAH TAUSEEF

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EDUCATION

Level	Institution attended	Marks
Class 10th	Dayavati Dharmavira Public school, Bijnor	84.4%
Class 12th	Dayavati Dharmavira Public school, Bijnor	80.6%
B.Sc (H) Botany	Womens College, Aligarh Muslim University, Aligarh	76.6%
M.Sc Botany	Botany Department, Aligarh Muslim University, Aligarh	80.6% (Gold medalist)
Ph.D (Botany)	Botany Department, Aligarh Muslim University, Aligarh	Ph.D. Awarded

RESEARCH INTERESTS

- Green synthesis of nanomaterials and developing industrially relevant renewable nanomaterials.
- Interactions of biologically synthesized nanoparticles with plant parasitic nematodes and fungi
- Exploring modish applications of nanomaterials in heavy metal sensing

TEACHING INTERSTS

- Cell Biology
- Plant Physiology
- Molecular Biology
- Plant Pathology

National Tests Qualified

- Qualified General Aptitude Teaching Eligibility Test (GATE) conducted by Indian Institute of Technology (IIT) Guwahati, India
- Qualified the **National Eligibility Test** conducted by Agriculture Scientist Recruitment Board (ASRB) for Assistant professor / lectureship in Indian Universities

FELLOWSHIPS & AWARDS

- Undergraduate level: Recipient of Central Minority MOMA (2011-14)
- Post-graduate level: Recipient of University Merit Financial Award
- Recipient of Farooq Memorial Scholarship
- Recipient of university gold medal
- Ph.D: UGC Non-NET
- Best Poster Presentation at Indian Phyto pathological Society, India

LIST OF PUBLICATIONS

1. *Role of MgO nanoparticles in the suppression of Meloidogyne incognita, infecting cowpea and improvement in plant growth and physiology*, **Atirah Tauseef**, Ahmad Khalilullah, Hisam Uddin, Imran Uddin*****, *Experimental Parasitology*, **2021**, 220, 108045. **[IF: 2.01]**

2. *Differential response of cowpea towards the CuO nanoparticles under Meloidogyne incognita* stress, **Atirah Tauseef**, Hisamuddin, Jhalak Gupta, Abdur Rehman, Imran Uddin*, *South African Journal of Botany*, **2021**, 139, 175-182. **[IF: 2.31]**

3. *Synthesis of silver nanoparticles by Ocimum basilicum seed extract and its application in H2O2* sensing, Fouzia, **AtirahTauseef**, A. Khalilullah, Imran Uddin*, *Acta Scientific Microbiology*, **2020**, 3, 7, 17-22. **[IF: 1.17]**

4. *Effects of SiO_2 nanoparticles and Pochonia chlamydosporia in mitigating the bioticstress-induced by Meloidogyne incognita on cowpea and study of some improved plant agronomic attributes*, **Atirah Tauseef**, Mohd Danish, Hisamuddin, *Journal of Biological and Chemical Research*, **2019**, 36, 248-261. [**IF: 4.27**]

5. *Fate of inorganic nanoparticles in agriculture*, S. Irudhaya Raj, Irfan Ahmad, **Atirah Tauseef**, Adhish Jaiswal*, Imran Uddin*, *Advanced Material letters*, 2021 (In press). [**IF:1.20**]

6. *Nanomicrobiology: Emerging Trends in Microbial synthesis of Nanomaterials and their Applications*. **Atirah tauseef**, Fatima hisam, Touseef Hussain*, *Journal of Cluster Sciences*, 2022 [**IF: 3.06**]

7. *Nanotechnology – A new frontier of nano-farming in agricultural and food production and its development*. Mohammad Haris, Touseef Hussain, Heba I. Mohamed, Amir Khan, Moh.Sajid Ansari, **Atirah Tauseef**, Abrar Ahmad Khan, Naseem Akhtar, Science of Total Environment, 2022, 853, 3, 15969 [**IF: 10.75**]

8. *Nano Phytoremediation-Modish insight for combating heavy metals toxicity in soils*. Thenmozhi Palanivel, Tariq Mohiuddin *, **Atirah Tauseef**, Mohammed Fareed, Mohammed Imran, Imran Khan, Mohd Amil Usmani, Soil Systems, 2025 (*In press*) [**IF-3.8**].

BOOK CHAPTERS:

1. Savarimuthu, I., **Tauseef, A**., Kumar Jaiswal, A., & Uddin, I. (2022). Ecotoxicology of Nanomaterials: A Sensor Perspective. In *Nanobiosensors for Environmental Monitoring: Fundamentals and Application* (pp. 407-437). Cham: Springer International Publishing.
2. Ansari, M. S., **Tauseef, A**., Haris, M., Khan, A., Hussain, T., & Khan, A. A. (2022). Effects of heavy metals present in sewage sludge, their impact on soil fertility, soil microbial activity, and environment. In *Development in Waste Water Treatment Research and Processes* (pp. 197-214). Elsevier.
3. **Tauseef, A**., & Uddin, I. (2023). Synthesis of Quantum Dots and Its Application in Heavy Metal Sensing. In *Synthesis and Applications of Nanomaterials and Nanocomposites* (pp. 271-291). Singapore: Springer Nature Singapore.
4. Haris, M., Hussain, T., **Tauseef, A**., Khan, A., & Khan, A. A. (2023). Application of microbial inoculants as an alternative to chemical products for decomposition of organic wastes. In *Microbial Inoculants* (pp. 29-52). Academic Press.
5. **Tauseef, A**., & Uddin, I. (2024). Novel Insights on Sustainable Nanoparticles in Crop Protection: Current Status and Future Prospectives. In *Sustainable Nanomaterials: Synthesis and Environmental Applications* (pp. 249-270). Singapore: Springer Nature Singapore.
6. **Tauseef, A.**, & Uddin, I. (2025). Sensor Development for Heavy Metal Ion Sensing: New Insights on Translating Prevalent Analysis to Portable Smart Nanodevices. In *Smart Nanosensors* (pp. 183-201). Singapore: Springer Nature Singapore.
7. **Tauseef, A**., Saleem, M., and Hassan, M.I., (2026). Application of Absorption

Spectroscopy in Food and Agriculture Science. In: *Fundamentals of Absorption spectroscopy*, Elsevier (*In press*).

8. **Tauseef, A**. (2026). Effect of organic matter on Soil Fertility. In: Soil Chemistry and Fertility: Innovative Applications for sustainable Crop Production, CRC Press: Taylor and Francis group (*In press*)

PARTICIPATION IN WORKSHOPS

- Workshop 'Career Development' organized by Biospark in association with TPO and club for short evening courses, Aligarh Muslim University, Aligarh.
- Workshop 'Research Methodology' organized by Coaching and Guiding cell, SS hall (south), Aligarh Muslim University, Aligarh
- Workshop 'MENDLEY' Organized by Elsevier and Aligarh Muslim University, Aligarh.
- Workshop 'ACS and DST' Organized by DST, ACS and Aligarh Muslim University, Aligarh
- Workshop "Bio python for Plant Biologists" organized by Next generation Life Sciences Limited.

Invited Lectures

- International Seminar on "Recent Advances in Nanotechnology" organized by VIT School of Agricultural Innovations and Advanced Learning (VAIAL), Vellore Institute of Technology, Vellore on 22nd October 2024.

Poster Presentation/ Participation

- International Conference "ALIGARH NANO-V & STEMCON-16" held in Centre of Excellence in Materials Science (Nanomaterials), Department of Applied Physics, Aligarh Muslim University (AMU), Aligarh, India from March 12-15, 2016
- International Conference 'ABCD-2017' organized by CCS University, Meerut, India from
- National Conference 'TBBS-2019' organized by Department of Biochemistry, Aligarh Muslim University, Aligarh from 2-3, March, 2019
- International Conference 'ICAZR and Workshop on Real time PCR' organized by Department of Zoology, Aligarh Muslim University, Aligarh from 9-10, March, 2019
- National Conference 'CTTABMMB-2019' organized by Department of Biotechnology and Microbiology, Kalp Laboratories, Mathura from 24-25, November, 2016.

- National Conference 'Bio intensive approaches in Plant Protection Strategies and their socio-economic impacts and IPS-MEZ Annual Meeting organized by IPS, Delhi from 29- 30 October, 2018

Teaching Experience

❖ Working as an Assistant Professor (Botany) in Veer Kunwar Institute of Technology, Bijnor from 20-3-2023

REFERENCES

Prof. Hisamuddin
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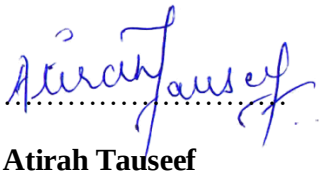
I hereby certify the above information is true and correct to the best of my knowledge and belief.



Atirah Tauseef

Signature