

## CV of Prof. Muhammad Shahid

Professor (Tenured),  
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### Professional Experience

- Professor (Tenured): 21-10-2024- to date

### RESEARCH PROJECTS:

16

- Research project as PI : 3 (12.3 Millions)
- Research project as Co-PI: (13) 7 completed (16.655292 M) 6 ongoing (34.320226 M)

### STUDENT'S SUPERVISED/CO-SUPERVISED

- Total scholars completed their PhD degree: (10 as Supervisor and 3 as Co-supervisor): 13
- Submitted their PhD thesis under supervision: 02
- Currently PhD enrolled students: 07
- As co-supervisor, scholars completed their PhD degree 03
- M.Phil. students qualified 144
- M.Phil. students under supervision 25
- M.Sc. student supervised 65
- BS. Biochemistry completed degree as advisor 17

### PUBLICATIONS

- Total publications with impact factor 412
- Total impact factor 638.6345
- Total Citation on Web of Science (**Researcher ID: ABA-4145-2020**) 6,864  
<https://www.webofscience.com/wos/author/record/ABA-4145-2020>
- Total Citation on Google Scholar 11,480  
<https://scholar.google.com/citations?hl=en&user=vCoTSiAAAAAJ>
- h-Index (Google Scholar) 48
- h-Index (Web of Science) 42
- Total publications with non-impact factor 52
- Book Chapters 11
- Popular Articles 05

### OUTREACH

- Developed bioassay lab for research and commercial activities
- International Conferences Organized as secretary 01
- International Conferences Organized as convener and member of committees 04
- Workshops Organized 03
- Conferences/Symposia/workshop attended 76
- Deliver talks as Invited speaker/Keynote/Resource person 32

### ACADEMIC DISTINCTIONS

- **Pakistan Academy of Sciences Gold Medal Award 3<sup>rd</sup> December 2022 in Biological Sciences.**
- **Prof. Dr. Muhammad Asghar Bajwa Gold Medal Awarded 23<sup>rd</sup> November 2021**
- **HUPO award 2004 China: Travel Grant Award from Japan 2005**
- **Research Productivity Award (RPA) from PCST from 2009 to 2018.**
- Countries Visited to deliver talks (China, Japan, Turkey, Austria, Egypt, Malaysia, Netherlands, UAE, KSA, Thailand) 10
- Productive Scientist of Pakistan (**Ranked 45**)
- Published an Innovative Idea in catalogue **101** Innovative Ideas
- Gene sequence published [Bacterial characterization-2020.docx](https://figshare.com/publications/13370672/Bacterial_characterization-2020.docx) ([figshare.com](https://figshare.com))  
DOI:10.6084/m9.figshare.13370672\ 3

### ADMINISTRATIVE WORK

- **Chairman** (7<sup>th</sup> July 2021 to 16 September 2021)
- **Superintendent of Hailey Hall (2019 to date)**

### Selected list of Publications

1. Javed, F., Akhter, N., Qamar, M. A., Yaqoob, A., Farhan, A., **Shahid, M.**, ... & Khan, Z. (2024). Biogenic derived cobalt nanoparticles using *Morus alba* and their potent antibacterial and catalytic degradation activity. *Chemical Papers*, 1-11. **(IF 2.2)**
2. Hussain, S., Kanwal, F., Tariq, M., Parveen, B., Rauf, A., Rasool, L., Nawaz, S., **Shahid, M.**, Batoo, K.M., Hussain, S. and Ibrahim, A.A. (2024). Synthetic, structural, and biological studies of organotin (IV) derivatives of 6-amino-2-(methyleamino) hexanoic acid. *Journal of Coordination Chemistry*, 1-16. **(IF 1.9)**
3. Hussain, S., Nazar, W., Tajammal, A., Nasreen, Z., Ahmad, T., Asghar, A., Mustafa, Z., **Shahid, M.**, Batoo, K.M. and Hussain, S. (2024). Green Synthesis of TiO<sub>2</sub> Nanoparticle in *Morus nigra* Leaves; Characterization and Biological Potential. *Polish Journal of Environmental Studies*, 33(3), 2707-2714. **(IF 1.8)**
4. Tanveer, M., Shehzad, A., Komarnytsky, S., Butt, M. S., **Shahid, M.**, & Aadil, R. M. (2024). Comparative evaluation of the antioxidant and anti-inflammatory potential of fennel essential oil obtained by conventional and supercritical fluid extraction. *Biomass Conversion and Biorefinery*, 1-14. **(IF 4.0)**
5. Maryam, S., Akhter, N., Qamar, M. A., Yaqoob, A., **Shahid, M.**, Farhan, A., ... & Alaghaz, A. N. M. (2024). *Grewia asiatica* leaves extract assisted green synthesis of gold nanoparticles and study of their antibacterial, antioxidant and photocatalytic potential.
6. Ayyub, M., Zahir, Z. A., Asghar, H. N., & **Shahid, M.** (2024). Biological control of selected weeds of direct-seeded rice through application of allelopathic *Pseudomonas* strains. *Biocontrol Science and Technology*, 1-32. **(IF 1.4)**
7. Hamid, S., Amjad, H., Abbasi, M. A., Siddiqui, S. Z., Ashraf, M., Iqbal, J., ... & Rehman, M. T. (2024). New piperidinyl heterocyclic azoles acquired through Li (I)-catalyzed reactions: Anti-enzymatic, ADME and computational studies. *Journal of Molecular Structure*, 1302, 137493. **(IF 3.8)**
8. Tabussam, T., Shehnaz, H., Majeed, M. I., Nawaz, H., Alghamdi, A. A., Iqbal, M. A., ... & Imran, M. (2024). Surface-enhanced Raman spectroscopy for studying the interaction of organometallic compound bis (1, 3-dihexylimidazole-2-yl) silver (I) hexafluorophosphate (V) with the biofilm of *Escherichia coli*. *RSC advances*, 14(10), 7112-7123. **(IF 3.9)**
9. Mumtaz, S., Nadeem, R., Sarfraz, R. A., & **Shahid, M.** (2021). Medicinal aspects of *Murraya koenigii* mediated silver nanoparticles. *Advances in Nano Research*. 657-665. **(IF 13.052)**
10. Awais, S., Munir, H., Najeeb, J., Anjum, F., Naseem, K., Kausar, N., **Shahid, M.**... & Najeeb, N. (2023). Green synthesis of iron oxide nanoparticles using *Bombax malabaricum* for antioxidant, antimicrobial and photocatalytic applications. *Journal of Cleaner Production*, 136916. **(IF 11.072)**

11. Rasool, A., Kiran, S., Gulzar, T., Abrar, S., Ghaffar, A., **Shahid, M.**, ... & Naz, S. (2023). Biogenic synthesis and characterization of ZnO nanoparticles for degradation of synthetic dyes: A sustainable environmental cleaner approach. *Journal of Cleaner Production*, 398, 136616. **(IF 11.072)**
12. Tanveer, M., Shehzad, A., Komarnytsky, S., Butt, M. S., **Shahid, M.**, & Aadil, R. M. (2024). Comparative evaluation of the antioxidant and anti-inflammatory potential of fennel essential oil obtained by conventional and supercritical fluid extraction. *Biomass Conversion and Biorefinery*, 1-14. **(IF 4.0)**
13. Tabussam, T., Shehnaz, H., Majeed, M. I., Nawaz, H., Alghamdi, A. A., Iqbal, M. A., ... & Imran, M. (2024). Surface-enhanced Raman spectroscopy for studying the interaction of organometallic compound bis (1, 3-dihexylimidazole-2-yl) silver (I) hexafluorophosphate (V) with the biofilm of *Escherichia coli*. *RSC advances*, 14(10), 7112-7123. **(IF 3.9)**
14. Abbasi, M. A., Siddiqui, S. Z., Nazir, M., Muhammad, S., Raza, H., Shah, S. A. A., ... & Kim, S. J. (2024). Multi-step Synthesis, Kinetics and in silico Explorations of Indole-Phenyl-1, 2, 4-triazole Bi-heterocyclic Hybrids Unified with 3-Substituted Benzamides as Elastase Inhibitors. *Journal of Molecular Structure*, 140192. **(IF 3.8)**
15. Usman, M., Sahar, A., Aadil, R. M., & **Shahid, M.** (2024). Extraction and physicochemical characterization of native and broiler chicken feet gelatin. *Journal of the Science of Food and Agriculture*. **(IF 3.8)**