



CURRICULUM VITAE

ANSAR MEHMOOD (Ph.D.)

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CURRENT POSITION

- ❖ Head of Department, Department of Botany, University of Poonch Rawlakot, AJ&K (September 06, 2021, to present)
- ❖ Assistant Professor (TTS), Department of Botany, University of Poonch Rawalakot, 12350, Pakistan

RESEARCH INTEREST

- ❖ Nanobiotechnology; Ethnopharmacology; Plant ecology; Conservation and utilization of food plants; Biological activities

ACADEMIA

Ph.D. (Botany)	2015	University of Azad Jammu and Kashmir Muzaffarabad
M. Phil (Botany)	2011	University of Azad Jammu and Kashmir Muzaffarabad
M. Sc. (Botany)	2008	University of Azad Jammu and Kashmir Muzaffarabad
B. Sc.	2005	University of Azad Jammu and Kashmir Muzaffarabad
HSSC	2003	BISE Mirpur Azad Kashmir
SSC	2000	BISE Mirpur Azad Kashmir

PROFESSIONAL EXPERIENCE

- ❖ Head of Department, Department of Botany, University of Poonch Rawalakot (September 06, 2021-present)

- ❖ Assistant Professor (TTS) at Department of Botany, University of Poonch Rawalakot, Pakistan (November 25, 2019-present).
- ❖ Assistant Professor (Contract) at Department of Botany, University of Poonch Rawalakot, Pakistan (January 22, 2017-November 24, 2019).
- ❖ Assistant Professor (IPFP) at Department of Botany, University of Poonch Rawalakot, Pakistan (January 22, 2016-January 21, 2017).
- ❖ Convener, Board of Study, Department of Botany
- ❖ Member, Board of Study, Department of Biotechnology (September 2020-present)
- ❖ Member, Board of Study, Department of Botany, University of Kotli
- ❖ Member, Departmental GRE Committee (2016-present)
- ❖ Convener, Departmental examination, and admission committee

CERTIFICATES/AWARDS

- ❖ Ph.D. approved supervisor award (2021) HEC-Pakistan
- ❖ Ph.D. approved supervisor award (2018) HEC-Pakistan
- ❖ Editor of Journal of anatomy forecast (2017)
- ❖ Member of Asian Council of Science Editors (2021)
- ❖ Review editor of Frontiers in Chemistry

RESEARCH PROJECTS

- ❖ “Documentation of nutritional profiling, phytochemical analysis and antioxidant activities of wild plant food resources of Azad Jammu and Kashmir”. Project #: 20-16982/NRPU/R&D/HEC/2021 2021. Project cost: 3.255 million (Approved).
- ❖ "Assessment of Diversity, Distribution and Community Structure of Native Vegetation of District Neelum, Azad Kashmir" funded by Pakistan Science Foundation (PSF). Project #: PSF-NSLP/CP/AJK-UoP (1064). Project cost: 1.723 million (Approved)
- ❖ “Indigenous uses and biological activities (with and without silver nanoparticles) of some important medicinal plants of Poonch, Azad Kashmir” Funded by Higher Education Commission (HEC) of Pakistan. Project #: 44-1817/SRGP/R&D/HEC/2017. Project cost: 0.42 million (Completed).

RESEARCH PUBLICATIONS

Citations: 1388

h-index: 19

Total Impact Factor: 195.5

1. Ahmad KS, Shehzad MA, Javid H, **Mehmood A**, Akhtar G, Zafar S, Mahroof S, Mahmoud EA, Elansary HO, Ulfat A, Abid H. **2024**. Transgenerational Seed Exposure to Elevated CO₂ Involves Stress Memory Regulation at Metabolic Levels to Confer Drought Resistance in Wheat. ACS Omega. <https://doi.org/10.1021/acsomega.3c10379> (IF **4.1**).

2. Nawaz AH, **Mehmood A***, Khalid, AR, Khan MAR, Gul-e-lala, Ahmad KS, Nabi AG. **2024**. Green synthesis of silver nanoparticles for their antifungal activity against anthracnose disease causing *Colletotrichum capsici*. Biocatalysis and Agricultural Biotechnology. 58: 103178 (Corresponding author, **IF 4.0**).
3. Khatoon J, **Mehmood A***, Khalid, AR, Khan MAR, Ahmad KS, Amjad, MS, Bashmir U, Raffi M, Prockow J. **2024**. Green-fabricated silver nanoparticles from *Quercus incana* leaf extract to control the early blight of tomatoes caused by *Alternaria solani*. BMC Plant Biology. 24:302 (Corresponding author, **IF 5.3**).
4. Khan RWA, Nazir N, **Mehmood A***, Qayyum S, Shaheen H. **2024**. Spatial and temporal patterns of fuelwood consumption and its associated CO₂ emissions in Muzafarabad division, a western Himalayan region. Energy, Sustainability and Society. 14:18 (Corresponding author, **IF 4.9**).
5. Sabir S, Khan MQ, **Mehmood A**, Hussain K, Raza A, Shakil M, Sajid S. **2024**. Quince (*Cydonia oblonga*) Fruits: A Rich Source of Nutrition, Phenolics, Flavonoids, Antioxidant and Antibacterial Activity. International Journal of Agriculture & Biology 31, 263–268. (**Y category**).
6. Hussain K, Dar ME, Khan AM, Iqbal T, **Mehmood A**, Habib T, Moussa IM, Casini R, Elansary HO. **2024**. Temperature, topography, woody vegetation cover and anthropogenic disturbance shape the orchids distribution in the western Himalaya. South African Journal of Botany. 166: 344-359. (**IF 3.1**).
7. Talib H, **Mehmood A***, Amjad MS, Mustafa A, Khan MAR, Raffi M, Khan RT, Ahmad KS, Qureshi H. **2024**. Antibacterial, antioxidant, and anticancer potential of green fabricated silver nanoparticles made from *Viburnum grandiflorum* leaf extract. Botanical Studies. 65 (4): 1-12. (Corresponding author, **IF 3.4**)
8. Mustafa A, Abid H, Ahmad KS, **Mehmood A**, Nawaz F, Shehzad MA, Nazir S, Hussain S. **2024**. The Application of Nanoparticles in Phytoremediation of Soil and Water Pollution. In: Advanced Nanotechnology in Plants. 1st edition. <https://doi.org/10.1201/b23308-17>
9. Iqbal U, Usman Z, Azam A, Abbas H, **Mehmood A**, Ahmad KS. **2023**. Invasive success of star weed (*Parthenium hysterophorus* L.) through alteration in structural and functional peculiarities. PeerJ 11: e16609 (**IF 2.7**).
10. Hussain K, Dar MEUI, Shaheen H, Sabir S, Habib T, **Mehmood A**, Iqbal Ta, Khan AM, Awan MS. **2023**. A Comprehensive Checklist of Orchids Diversity in Western Himalayas of Azad Kashmir, Pakistan. International Journal of Forest Sciences. 3(3): 218-228. (**Y**

category)

11. Iqbal U, Rehman FU, Aslam MU, Gul MF, Farooq U, Ameer A, Asghar N, **Mehmood A**, Ahmad KS. **2023**. Survival tactics of an endangered species *Withania coagulans* (Stocks) Dunal to arid environments. *Environmental Monitoring and Assessment*, 195(11):1363. **(IF 3.0)**.
12. Khan MAR, Iqbal T, Bano A, Mahmood H, **Mehmood A**. **2023**. ZnS nanoparticles prepared by *Prunus persica* leaf extract: Morphological, optical, and electrical properties. *International Journal of Modern Physics B*, p.2450300. **(IF 1.7)**
13. **Mehmood A***, Zahir S, Rauf Khan MA, Ahmad KS, Abasi F, Raffi M, Proćków J, M Pérez de la Lastra J. **2023**. Optimization and bio-fabrication of phyto-mediated silver nanoparticles (Ag-NPs) for antibacterial potential. *Journal of Biomolecular Structure and Dynamics*, pp.1-10. (Corresponding author, **IF 4.4**) <https://doi.org/10.1080/07391102.2023.2242960>
14. Abasi F, Raza MU, Raja NI, Shahbaz M, **Mehmood A**. **2023**. Physiological mechanism and adaptation of plants to abiotic stresses. In: *Improving Stress Resilience in Plants*. p. 449-460.
15. Mashwani R, Sohail M, Iqbal M, Shahbaz M, **Mehmood A**, Raza MU. **2023**. Physiological and molecular pathways of crop plants in response to heat stress. In: *Improving Stress Resilience in Plants*. p. 461-481.
16. Ameer A, Ahmad F, Asghar N, Hameed M, Ahmad KS, **Mehmood A**, Nawaz F, Shehzad MA, Mumtaz S, Kaleem M, Iqbal U. **2023**. Aridity-driven changes in structural and physiological characteristics of Buffel grass (*Cenchrus ciliaris* L.) from different ecozones of Punjab Pakistan. *Physiology and Molecular Biology of Plants*, :1-20. **(IF 3.5)** <https://doi.org/10.1007/s12298-023-01351-3>
17. Hussain K, Awan MS, Nasir M, Sabir S, **Mehmood A**, Iqbal T, Raza A, Shakil M. **2023**. Phytochemical and Antioxidant Screening of *Trillium govanianum* Wall. ex. D. Don., from Western Himalayas Azad Jammu & Kashmir, Pakistan. *Kepes*, 21(3): 372-378. (Category X)
18. Awan MS, Dar MEUI, Hussain K, Sabir S, Iqbal T, **Mehmood A**, Habib T. **2023**. Ethnomedicinal utilization and conservation status of highland flora from Western Himalayas of Azad Jammu and Kashmir, Pakistan. *Ethnobotany Research and Applications*, 26:31. **(IF 1.7, W category)**
19. Shehzad MA, Hussain I, Akhtar G, Ahmad KS, Nawaz F, Faried HN, **Mehmood A**.

- 2023.** Insights into physiological and metabolic modulations instigated by exogenous sodium nitroprusside and spermidine reveals drought tolerance in *Helianthus annuus* L. *Plant Physiology and Biochemistry*, 202: 107935 (**IF 6.5**)
20. Sohail M, Hussain K, Sabir S, **Mehmood A**, Shakil M, Habib T, Awan MS. **2023.** Antibacterial, antioxidant activity and phyto-chemical screening of *Prunus armeniaca* (L.) var. (Hari & Khobani) leaf extracts. *Kepes*, 21(3): 26-32. (Category X)
21. Hussain K, Dar MEUI, **Mehmood A**, Sabir S, Awan MS, Ahmad KS, Bussmann RW. **2023.** Ethnomedicinal uses and conservation status of medicinal orchids from Western Himalayas of Azad Jammu & Kashmir, Pakistan. *Ethnobotany Research and Applications*, 26: 1–13. (Corresponding author, **IF 1.710**)
22. Ahmad I, Sohail M, Hameed M, Fatima S, Ahmad MSA, Ahmad F, **Mehmood A**, Basharat S, Asghar A, Shah SMR, Ahmad KS. **2023.** Morpho-anatomical determinants of yield potential in *Olea europaea* L. cultivars belonging to diversified origin grown in semiarid environments. *PLoS ONE* 18(6): e0286736. (**IF 3.752**)
23. Naseer F, **Mehmood A**, Mustafa A, Ahmad KS, Khan MF, Hussain S, Sabir S, Raja NI. **2023.** Documentation of wild edible fruit yielding plants from Sudhnoti, Azad Kashmir for ethno-medicinal uses. *Journal of Xi'an Shiyou University, Natural Science Edition*. 19(4): 138-166. (Corresponding author)
24. Nawaz H., Asghar N, Ali A, Ameer A, Shehzad, MA, Nawaz F, **Mehmood, A**, Iqbal MS, Iqbal U, Kaleem M, Khan A, Ahmad KS. **2023.** Optimization of Citric Acid and EDTA Levels Under Ni Stress Using Rapeseed *Brassica napus* L. for Phytoremediation. *Water, Air, & Soil Pollution* :234:244 (**IF 2.984**)
25. Abasi F, Raja NI, Mashwani Z, Amjad MS, Ehsan M, Mustafa N, **Mehmood A**, Ali K. **2023.** A paradigm shifts in sustainable use of natural resources and their ecosystem services. In: *Water, Land, and Forest Susceptibility and Sustainability*. V 2, p. 03-31.
26. Khan AQ, **Muhammad A**, Ahmad KS, Mehmood A, Hamid A, Nawaz F, Suliman N. **2023.** Plants Oxylipins Induction and Regulation Genetic Insights. *Phyto-Oxylipins: Metabolism, Physiological Roles, and Profiling Techniques*.
27. Khalil S, **Mehmood A**, Khan MAR, Ahmad KS, Abasi F, Raffi M, Ali K, Khan MEH, Jones DA, Abdelkarim M. **2023.** Antibacterial, antioxidant and photocatalytic activity of novel *Rubus ellipticus* leaf mediated silver nanoparticles. *Journal of Saudi Chemical Society* 27:101576. (Corresponding author, **IF 5.6**).
28. Awan SS, Khan RT, **Mehmood A**, Hafeez M, Abass SR, Nazir M, Raffi M. **2023.** *Ailanthus altissima* leaf extract mediated green production of Zinc oxide (ZnO)

- nanoparticles for antibacterial and antioxidant activity. Saudi Journal of Biological Sciences 1:103487. (Corresponding author, **IF 4.4**).
29. Tariq S, **Mehmood A.** 2022. Pharmacognosy and Phytochemical Screening of *Plantago Major* L. and *Plantago lenceolata* L. from Rawalakot, Azad Jammu and Kashmir. Kashmir Journal of Science 1(11): 1-11. (Corresponding author).
 30. Sarwer Q, Amjad MS, **Mehmood A**, Binish Z, Mustafa G, Farooq A, Qaseem MF, Abasi F, Lastra JM. 2022. Green Synthesis and Characterization of Silver Nanoparticles Using *Myrsine africana* Leaf Extract for Their Antibacterial, Antioxidant and Phytotoxic Activities. Molecules. 27(21):7612. (**IF 4.927**)
 31. Zulfiqar H, Amjad MS, Mehmood A, Mustafa G, Binish Z, Khan S, Arshad H, Proćków J, Pérez de la Lastra JM. 2022. Antibacterial, antioxidant, and phytotoxic potential of phytosynthesized silver nanoparticles using *Elaeagnus umbellata* fruit extract. Molecules 27(18): 5847. (**IF 4.927**)
 32. **Mehmood A**, Javid S, Khan MF, Ahmad KS, Mustafa, A. 2022. In vitro total phenolics, total flavonoids, antioxidant and antibacterial activities of selected medicinal plants using different solvent systems. BMC Chemistry 16: 64. <https://doi.org/10.1186/s13065-022-00858-2> (Corresponding author, **IF 4.6**)
 33. Ali MA, Iqbal MS, Ahmad KS, Akbar M, **Mehmood A**, Hussain SA, Arshad N, Munir S, Masood H, Ahmad T, Kaloi G, Islam M. 2022. Plant species diversity assessment and monitoring in catchment areas of River Chenab, Punjab, Pakistan. PLoS ONE 17(8): e0272654. (**IF 3.752**)
 34. Hassan HU, Raja NI, Abasi F, **Mehmood A**, Qureshi R, Manzoor Z, Muhammad Shahbaz, Proćków J. 2022. Comparative study of antimicrobial and antioxidant potential of *Olea ferruginea* fruit extract and its mediated selenium nanoparticles. Molecules 27(16): 5194. (**IF 4.927**)
 35. Kausar H, **Mehmood A**, Khan RT, Ahmad KS, Hussain S, Nawaz F, Iqbal, MS, Nasir, M, Ullah, TS. 2022. Green synthesis and characterization of copper nanoparticles for investigating their effect on germination and growth of wheat. PLoS ONE 17(6): e0269987. (Corresponding author, **IF 3.752**)
 36. Wali, R., Khan, M. F., **Mahmood, A.**, Mahmood, M., Qureshi, R., Ahmad, K. S., & Mashwani, Z. U. R. 2022. Ethnomedicinal appraisal of plants used for the treatment of gastrointestinal complaints by tribal communities living in Diamir district, Western Himalayas, Pakistan. PloS one, 17(6), e0269445. (**IF: 3.752**)
 37. Khan RT, Ashraf M, Abbas SR, **Mehmood A**, Begum S. 2022. Genetic diversity of

- Brassica rapa* germplasm of Azad Jammu and Kashmir, Pakistan revealed by molecular markers. *Acta Scientiarum Polonorum, Hortorum Cultus*, 21(2), 123–131. (IF: 0.695)
38. Ullah TS, Firdous SS, **Mehmood A**, Swati JQ, Usman M, Khalid AN. 2022. Detection of bioactive compounds and amino acids from fruiting bodies of *Morchella tridentina*. *Acta Scientiarum Polonorum, Hortorum Cultus*, 21(1), 103–114. <https://doi.org/10.24326/asphc.2022.1.9> (IF: 0.695)
39. Khan S, Shaheen H, **Mehmood A**, Nasar S, Khan T. 2022. Ethnobotanical and antibacterial study of *Primula* plants traditionally used in the indigenous communities of Western Himalaya, Pakistan. *Saudi Journal of Biological Sciences*, 29: 3244-3254. <https://doi.org/10.1016/j.sjbs.2022.01.048> (Corresponding author, IF 4.4).
40. Zaman T, Irshad M, Khan MF, **Mehmood A**, Hussain I, Mahmood M. 2021. In-vitro pharmacological evaluation of *Galium elegans*: phytochemical, antioxidant, biofilm inhibition and cytotoxicity potential. *Farmacia*, 69(6):1159-1165 <https://doi.org/10.31925/farmacia.2021.6.21> (Corresponding author, IF 1.550).
41. Iqbal MS, Ahmad KS, Ali MA, Akbar M, Mehmood A, Nawaz F, Hussain SA, Arshad N, Munir S, Arshad H, Shahbaz K. An ethnobotanical study of wetland flora of Head Maralla Punjab Pakistan. *Plos One*. 2021 Oct 14;16(10):e0258167. (IF: 3.752)
42. Sadia S, Ahmad KS, **Mehmood A**, Nawaz F, Aftab B, Hamid A. 2021. Genetic Variability and Determinism 2 of Adaptation of Brassica Species to Soil Waterlogging.
43. Ulfat A, **Mehmood A**, Ahmad KS, Ul-Allah S. 2021. Elevated carbon dioxide offers promise for wheat adaptation to heat stress by adjusting carbohydrate metabolism. *Physiology and Molecular Biology of Plants*. 27(10):2345–2355 <https://doi.org/10.1007/s12298-021-01080-5> (Corresponding author, IF 3.5).
44. Anwar A, **Mehmood A**, Ahmad KS, Hussain K. 2021. Biosynthesized silver nanoparticles induce phytotoxicity in *Vigna radiata* L. *Physiology and Molecular Biology of Plants*, 79(9): 2115-2126. (Corresponding author, IF 3.5).
45. Shah NI, Jabeen N, Irum S, Ahmad KS, Tauseef I, Khan TF, Anwar S, Shafique S, Haleem SK, **Mehmood A**, Hussain SZ. 2021. Environmentally benign and economical bio-fabrication of ZnO and Cr-doped ZnO nanoparticles using leaf extract of *Citrus reticulata* for biological activities. *Materials Today Communications*, 102383 (IF 3.8).
46. Khan MF, Mashwani Z, **Mehmood A**, Qureshi R, Sarwar R, Ahmad KS, Quave CL. 2021. An ethnopharmacological survey and comparative analysis of plants from the Sudhnoti district, Azad Jammu & Kashmir, Pakistan. *Journal of Ethnobiology and Ethnomedicine*, 17:14 (IF 3.6).

47. Ahmad KS, Raffi M, Kiani BH, Ishtiaq M, Mehmood A, Iqbal MS, Zubair T, Qureshi R. **2021**. Evaluation of anticancer activities of selected medicinal plants from Ganga Choti, Lesser Himalaya, Bagh, Azad Kashmir. *Pakistan Journal of Botany*, 53(4): 1433-1440. DOI: [http://dx.doi.org/10.30848/PJB2021-4\(38\)](http://dx.doi.org/10.30848/PJB2021-4(38)) (**IF 1.2**).
48. Sharif H, **Mehmood A**, Ulfat A, Ahmad KS, Hussain I, Khan RT. **2021**. Environmentally Sustainable Production of Silver Nanoparticles and Their Effect on *Glycine max* L. Seedlings. *Gesunde Pflanzen*, 73(1): 95-103 (Corresponding author, **IF 3.1**).
49. Gillani SR, Murtaza G, **Mehmood A**, **2021**. Mitigation of lead stress in *Triticum aestivum* L. Seedlings by treating with salicylic acid. *Pakistan Journal of Botany*, 53(1): 39-44 (Corresponding author, **IF 1.2**).
50. Mustafa A, Ahmad KS, **Mehmood A**, Nawaz F, Ahmed H, Hamid A, Liyaqat I, **2021**. Ethnobotany of mountain region of Himalaya, District Poonch Azad Kashmir. In: Abbasi A.M., Bussmann R.W. (eds) *Ethnobiology of Mountain Communities in Asia*. Ethnobiology. Springer, Cham. https://doi.org/10.1007/978-3-030-55494-1_13
51. Sadia S, Ahmad KS, **Mehmood A**, Nawaz F, Ahmed H, Hameed M, Ahmad F, Rani W, Abbasi AM, **2021**. Plant resources and their uses in Salt Range, Pakistan. In: Abbasi A.M., Bussmann R.W. (eds) *Ethnobiology of Mountain Communities in Asia*. Ethnobiology. Springer, Cham. https://doi.org/10.1007/978-3-030-55494-1_8
52. Irum S, Jabeen N, Ahmad KS, Shafique S, Khan TF, Gul H, Anwaar S, Shah NI, **Mehmood A**, Hussain SZ. **2020**. Biogenic iron oxide nanoparticles enhance callogenesis and regeneration pattern of recalcitrant *Cicer arietinum* L. *PLoS ONE* 15(11): e0242829. <https://doi.org/10.1371/journal.pone.0242829> (**IF 3.752**).
53. Majeed M, Bhatti KH, Amjad MS, Abbasi AM, Bussmann RW, Nawaz F, Rashid A, **Mehmood A**, Mahmood M, Khan WM, Ahmad KS, **2020**. Ethno-veterinary uses of Poaceae in Punjab, Pakistan. *PLoS ONE* 15(11): e0241705. <https://doi.org/10.1371/journal.pone.0241705>. (**IF 3.752**).
54. Hussain A, **Mehmood A**, Murtaza G, Ahmad KS, Ulfat A, Khan MF, Ullah TS, **2020**. Environmentally benevolent synthesis and characterization of silver nanoparticles using *Olea ferruginea* Royle for antibacterial and antioxidant activities. *Green Processing and Synthesis*, 9: 451-461. (Corresponding author, **IF 4.3**).
55. Dar MEUI, Ashraf R, Shaheen H, Firdous SS, **Mehmood A**, Habib T, Hussain MA, **2020**. Comparative in vitro biological activity analysis of *Cuscuta reflexa* Roxb. and *C. Campestris* Yuncker. *Bangladesh Journal of Botany*, 49(2): 249-256. (**IF 0.339**).

56. Yousaf H, **Mehmood A**, Ahmad KS, Raffi M, **2020**. Green synthesis of silver nanoparticles and their applications as alternative antibacterial and antioxidant agents. *Materials Science & Engineering C*, 112: 110901. (Corresponding author, **IF 8.457**).
57. Khan RT, Abbas SR, Gerdezi SDA, Javed G, **Mehmood A**, **2020**. Assessment of genetic diversity of tomato genotypes by using molecular markers. *Pure and Applied Biology*, 9(2): 1532-1540.
58. Ahmad KS, Wazarat A, **Mehmood A**, Ahmad MSA, Tahir MM, Nawaz F, Ahmed H, Zafar M, Ulfat A, **2020**. Adaptations in *Imperata cylindrica* (L.) Raeusch. and *Cenchrus ciliaris* L. for altitude tolerance. *Biologia*, 75(2):183-198. (**IF 1.653**).
59. Khan RWA, Shaheen H, **Mehmood A**, Awan SN, **2019**. Grazing intensity impacts on soil carbon stocks of Western Himalayan Alpine paddocks. *Carbon Management*, 10(6):533-540. (Corresponding author, **IF 3.520**).
60. Ahmed MJ, Murtaza G, **Mehmood A**, and Bhatti TM, **2019**. Silver nanoparticles, green synthesis: characterization, in vitro antioxidant and antimicrobial study. *Inorganic and Nano-Metal Chemistry*, 49(8):240-248. (**IF 1.716**).
61. Hussain S, Hamid A, Ahmad KS, Mehmood A, Nawaz F, Ahmed H, **2019**. Quantitative ethnopharmacological profiling of medicinal shrubs used by indigenous communities of Rawalakot, District Poonch, Azad Jammu and Kashmir, Pakistan. *Brazilian Journal of Pharmacognosy*, 29: 665-676. (**IF 2.464**).
62. **Mehmood A**, Shabir S, Hussain S, Ahmad KS, Hamid A, **2019**. Antibacterial and antioxidant activity of biosynthesized silver nanoparticles from *Ulmus wallichiana* Planch. Leaf extract. *Farmacina*, 67(4):662-669. (Corresponding author, **IF 1.607**).
63. Nasar S, Murtaza G, **Mehmood A**, Bhatti TM, Raffi M, **2019**. Environmentally Benign and Economical Phytofabrication of Silver Nanoparticles Using *Juglans regia* Leaf Extract for Antibacterial Study. *Journal of Electronic Materials*, 48(6):3562-3569. (Corresponding author, **IF 2.1**).
64. Begum S, Hussain S, **Mehmood A**, Ahmad KS, Hamid A, **2018**. Harnessing the potential of medicinal plants used for the treatment of diabetes in rural areas of Azad Jammu and Kashmir, Pakistan. *Applied Ecology and Environmental Research*, 16(5): 6549-6566. (Corresponding author, **IF 0.816**).
65. **Mehmood A**, Murtaza G, **2018**. Phenolic contents, antimicrobial and antioxidant activity of *Olea ferruginea* Royle (Oleaceae). *BMC Complementary and Alternative Medicine*, 18: 173. (Corresponding author, **IF 4.782**).

66. Akhtar N, Hameed M, Hamid A, Nawaz F, Ahmad KS, Deng J, **Mehmood A**, Segovia-Salcedo C, Shahnaz MM, Khan AQ, **2018**. Effects of nickel toxicity on morphological and physiological aspects of osmoregulation in *Typha domingensis* (Typhaceae) Populations. *Limnology*, 19(2): 185-197. (**IF 2.156**).
67. **Mehmood A**, **2018**. Brief Overview of the Application of Silver Nanoparticles to Improve Growth of Crop Plants. *IET Nanobiotechnology*, 12(6): 701-705. (Corresponding author, **IF 2.3**).
68. **Mehmood A**, Murtaza G, **2017**. Impact of biosynthesized silver nanoparticles on protein and carbohydrate contents in seeds of *Pisum sativum* L. *Crop Breeding and Applied Biotechnology*, 17: 334-340. (Corresponding author, **IF 1.5**).
69. Nasar S, Murtaza G, **Mehmood A**, Bhatti TM, **2017**. Green approach towards synthesis of silver nanoparticles using *Ficus palmata* leaf extract and their antibacterial profile. *Pharmaceutical Chemistry Journal*, 51(9): 811-817. (Corresponding author, **IF 1.063**).
70. **Mehmood A**, Murtaza G, Bhatti TM, Kausar R, **2017**. Phyto-mediated synthesis of silver nanoparticles from *Melia azedarach* L. leaf extract: Characterization and antibacterial activity. *Arabian Journal of Chemistry*, 10: S3048-S3058. (Corresponding author, **IF 6.212**).
71. **Mehmood A**, Murtaza G, **2017**. Application of SNPs to improve yield of *Pisum sativum* L. (pea). *IET Nanobiotechnology*, 11(4): 390-394. (Corresponding author, **IF 2.3**).
72. Ullah TS, Firdous SS, **Mehmood A**, Shaheen H, Dar MEUI, **2017**. Ethno-Mycological and Nutritional Analysis of Some Wild Edible Mushrooms from Western Himalayas, Azad Jammu and Kashmir. *International Journal of Medicinal Mushrooms*, 19(10): 949-955. (Corresponding author, **IF 1.921**).
73. Hussain S, Murtaza G, **Mehmood A**, Qureshi RA, **2017**. Conservation of indigenous knowledge of medicinal plants of Western Himalayan region Rawalakot Azad Kashmir Pakistan. *Pakistan Journal of Pharmaceutical Sciences*, 30(3): 773-782. (Corresponding author, **IF 0.863**).
74. Shaheen H, Khan RWA, Hussain K, Ullah TS, Nasir M, **Mehmood A**, **2016**. Carbon stocks assessment in subtropical forest types of Kashmir Himalayas. *Pakistan Journal of Botany*, 48(6): 2351-2357. (**IF 1.2**).
75. **Mehmood A.**, Murtaza G., Bhatti TM, Raffi M, **2016**. Facile Green Approach to Investigate Morphology Controlled Formation Mechanism of Silver Nanoparticles. *Journal of Cluster Science*, 27(5):1797-1814. (Corresponding author, **IF 3.447**).

76. **Mehmood A**, Murtaza G, Bhatti TM, Kausar R, Ahmed MJ, **2016**. Biosynthesis, Characterization and Antimicrobial Action of Silver Nanoparticles from Root Bark Extract of *Berberis lycium* Royle. Pakistan Journal of Pharmaceutical Sciences, 29(1):131-136. (Corresponding author, **IF 0.95**).
77. Ahmed MJ, Murtaza G, **Mehmood A**, Bhatti TM, **2015**. Green synthesis of silver nanoparticles using leaves extract of *Skimmia laureola*: characterization and antibacterial activity. Materials Letters, 153: 10-13. (**IF 3.574**).
78. **Mehmood A**, Murtaza G, Bhatti TM, Raffi M, Kausar R, **2014**. Antibacterial efficacy of silver nanoparticles synthesized by a green method using bark extract of *Melia azedarach* L. Journal of Pharmaceutical Innovation, 9: 238-45. (**IF 2.750**).
79. **Mehmood A**, Murtaza G, Bhatti TM, Kausar R, **2014**. Enviro-friendly synthesis of silver nanoparticles using *Berberis lycium* leaf extract and their antibacterial efficacy. Acta Metallurgica Sinica (English Letters), 27: 75-80. (Corresponding author, **IF 3.5**).
80. Nasir M, Khan MQ, **Mehmood A**, **2016**. Life form, biological spectrum and ethno-medicinal uses of the flora of Taloqa Hills, Western Himalayas, Muzaffarabad. International Journal of Biosciences, 9(6): 8-18. (Corresponding author).
81. Hussain M, Ahmad KS, Majeed M, **Mehmood A**, Hamid A, Yousaf MM, Chaudhry MS, Shah MJ, Hussain K, Ahmad B, Khan AQ, **2016**. Integrated management of *Helicoverpa armigera* on different genotypes of Kabuli chickpea in Punjab, Pakistan. International Journal of Biosciences, 9(2): 110-119.
82. **Mehmood A**, Murtaza G, Nasir M, **2013**. Antibacterial and antifungal activity of *Dodonaea viscosa* (L.) Jacq., a wild plant of Azad Jammu and Kashmir. International Journal of Biosciences, 3(9): 1-7. (Corresponding author).
83. Ahmed MJ, Murtaza G, **Mehmood A**, **2016**. Biogenic synthesis, characterization, and antimicrobial potential of *Skimmia laureola* root mediated silver nanoparticles. 3rd International Conference on Biotechnology Applications in Agriculture (ICBAA), Benha University, Moshtohor and Sharm El-Sheikh, 5-9 April 2016, Egypt.

CONFERENCES/WORKSHOPS/SEMINARS

1. Participated and presented paper in 2nd International conference on Recent Approaches in Plant Sciences (RAPS-2023), organized by the Department of Botany, University of Education, Lahore on 04-05 May 2023.

2. Participated and presented paper in 1st International conference on Revamped scientific outlook of 21st century, organized by Rawalpindi Women University on October 12, 2022.
3. Participated and presented paper in 17th national and 8th International conference on Advances in plant sciences in the era of climate change held on 26 to 28 October, 2022 organized by Pakistan Botanical Society.
4. Participated and presented paper in 7th International conference on Climate Smart Agriculture: Innovations and Adaptations, organized by University of Poonch Rawalakot from 15-17, June 2022.
5. Participated in a One-day seminar on “Human Neurodevelopmental Disorders organized by University of Poonch Rawalakot on 29th March 2022.
6. Participated and presented paper in international conference on “Food security through sustainable plant protection strategies” organized by The University of Agriculture Peshawar Pakistan from January 26-20, 2022.
7. Participated and presented paper in 5th international conference on “Advances in biosciences: bridging the gap between research and sustainable development goals” organized by University of Swat from 24-26, May 2022.
8. Attended the Two-day workshop on “Promoting Research Excellence in Academics across Pakistan” (1st and 2nd February 2022), at Higher Education Commission, Pakistan.
9. Attended the Empowering knowledge on ethical publishing: Mastering the art of identifying predatory, fake and cloned journals at APAC Customer Success Hub, on Wednesday 08 June 2022.
10. Participated in the 3rd International Conference on Environment and Sustainable Development (ICESD) at GC University Lahore from 13 – 15 September 2021.
11. Participated in seminar on Role of Biodiversity Information in Global Biodiversity Information Facility (GBIF) organized by GCU, Lahore on 21st May 2021.
12. Participated in seminar on Pandemic, preparedness, one health: lesson learnt organized by Pakistan Academy of Sciences on 4th May 2021.
13. Participated in seminar on Animal myths in Asia and their impact on survival of certain species organized by University of Poonch Rawalakot on 16th September 2021.

14. Participated in seminar on Trends and opportunities in Biotechnology & Bioinformatics organized by Mohi-ud-Din, Islamic University Nerian Sharif, AJK on 7th July 2021
15. Organized a one-day seminar on “Food Self-Sufficiency: Opportunities and Challenges” dated 21st September 2021 in the Hall of Faculty of Basic and Applied Sciences, University of Poonch Rawalakot.
16. Participated and presented in International Online Conference on “Dynamic strategies in plant sciences for crop sustainability and food security” held on 26-27th May 2021 organized by Department of Botany, Government College Women University Faislabad, Pakistan.
17. Participated in Fourth International Conference on Biosciences (ICBS-2021) organized by Biological Society of Pakistan (BSP) in collaboration with Department of Plant Sciences, Quid-i-Azam University Islamabad on 15th June 2021.
18. Participated in AASSA-PAS Webinar Series 2021 Webinar II on “Pandemic Preparedness, One Health: Lessons Learnt” held on May 02, 2021, organized by Pakistan Academy of Sciences, Islamabad.
19. Participated in International Webinar on “Air pollution, climate change and their impact on mountain water resources” dated January 26, 2021, organized by Department of Environmental Sciences, COMSATS University Islamabad (CUI), Abbottabad Campus.
20. Organized an international seminar on “Plant functional traits, community assembly and ecosystem functioning” dated 8th September 2020 at DVM Hall, Department of Botany, University of Poonch Rawalakot.
21. Participated in One-Day International online seminar on “Biodiversity for Sustaining Life” on the Eve of World Environment Day dated 5th July 2020 Organized by the Department of Botany, Pir Mehr Ali Shah Arid Agriculture University.
22. Participated in one-day International Online Symposium on “Cultural heritage and human resilience in desert environment” Dated 17th June 2020 Organized by the Department of Botany, Pir Mehr Ali Shah Arid Agriculture University.
23. Presented a paper in the 6th International Conference on sustainable agriculture in changing climate: strategies and management, June 19-21, University of the Poonch, Rawalakot.
24. Presented a paper entitled “Pharmacognostic evaluation of *Plantago major* and *P. lanceolata* from Rawalakot” in 16th National and 7th International conference on Plant

resources: Current trends, challenges and solutions held on 23-26 March 2018 at Islamia College Peshawar, Pakistan.

25. Participated in International conference on “Conventional and Modern Approaches in Plant Sciences (CMAPS-2017)” held on 28-29 November 2017 at Department of Botany, University of the Punjab, Lahore, Pakistan
26. Organized a seminar on “Instrumental and intrinsic value of Biodiversity” in Department of Botany University of Poonch Rawalakot on 25 May 2017
27. Presented a paper entitled “Effect of SA on biochemical attributes of *Triticum aestivum* L. seedling under lead stress” in 15th National and 6th International Conference on Dynamic trends in plant sciences: Fostering environment and food security, SBK Women University Quetta, Pakistan
28. Attended and presented a poster presentation on Phytosynthesis of silver nanoparticles using bark of *Melia azedarach* and *Berberis lycium* in International Conference of Nanomaterial and Nanoethics, COMSATS Lahore
29. Attended and read a paper entitled “Biosynthesis of silver nanoparticles using *Berberis lycium* bark extract and their antibacterial activity” in international conference on Himalayan Biodiversity and Climate change: Challenges and Opportunities, Muzaffarabad, AJK

M.PHIL PRODUCED

1. **Javaria Khatoon, 2021-2023.** Non-hazardous management of early blight of tomato (*solanum lycopersicum*) using green synthesized silver nanoparticles.
2. **Urooj Bashir, 2021-2023.** Biofabrication of silver nanoparticles and their potential applications to control damping off disease in chilli (*Capsicum Annuum* L.).
3. **Raja Zaheer Tabasum, 2020-2022.** Viola odorata mediated green synthesis of silver nanoparticles for the management of Fusarium wilt in tomato.
4. **Anum Haq Nawaz, 2020-2022.** Application of biosynthesized silver nanoparticles from Colchicum luteum against chili anthracnose.
5. **Aneela Saleem, 2020-2022.** Role of Silver Nanoparticles as an Effective Green Fungicide against Venturia inaequalis that caused Apple Scab Disease
6. **Maryyum Zafar, 2019-2021.** Nutritional and Biological Characteristics of Selected Wild Edible Fruits of Tolipeer, District Poonch, Azad Kashmir.
7. **Anum Nazir, 2019-2021.** Antioxidant and Antibacterial Activities of Wild Vegetables Found in Tolipeer, District Poonch, Azad Kashmir.
8. **Hadia Shafi, 2019-2021.** Antioxidant and antibacterial activity of plants used for making herbal teas in District Haveli, Azad Kashmir, Pakistan.
9. **Hina Talib, 2019-2021.** Biosynthesis of silver nanoparticles from *Viburnum grandiflorum* for antibacterial, anticancer, and antioxidant activity.

10. **Fakhar Naseer, 2018-2020.** Phyto-inventory and documentation of traditional medicinal knowledge of wild edible fruits of District Sudhnoti, Azad Kashmir.
11. **Sidra Khalil, 2018-2020.** Green synthesis of silver nanoparticles using leaf extract of raspberry (*Rubus ellipticus* Sm.) for antibacterial and photocatalytic activity.
12. **Sobia Zahir, 2018-2020.** Effects of operational parameters on morphology and antibacterial activity of silver nanoparticles synthesized from Hawthorn (*Crataegus monogyna* Jacq.).
13. **Nadia Khadim, 2017-2019.** Anticancerous activity of ultra-diluted remedies on different cancer cell lines.
14. **Samina Irshad, 2017-2019.** Pharmacognostic, phytochemical and antioxidant investigation of *Isodon rugosus* (pee maar) from Dhirkot, Azad Kashmir.
15. **Safeena Begum, 2017-2019.** Pharmacognostic standardization and preliminary phytochemical analysis of *Cichorium intybus* L. found in Paniola Rawalakot, Azad Kashmir.
16. **Khurram Ashfaq Khan, 2017-2019.** Exploration and nutritional profiling of wild indigenous vegetables of Hajira, District Poonch, Azad Kashmir.
17. **Rumana Arif, 2016-2018.** Effect of Salicylic acid on seed germination and seedling growth of Maize (*Zea mays* L.) varieties under cadmium stress.
18. **Huma Yousaf, 2016-2018.** Antibacterial and antioxidant activity of Kangi (*Achillea millefolium* L.) and its mediated biosynthesized silver nanoparticles.
19. **Humaira Arshad, 2016-2018.** Green synthesis of copper nanoparticles and their effect on seed germination and seedling growth of wheat (*Triticum aestivum* L.).
20. **Zarka Latif, 2016-2018.** Diversity and distribution of medicinal plants in Tehsil Baluch, Sudhnoti, Azad Kashmir.
21. **Sonia Javid, 2016-2018.** Evaluation of Some Important Medicinal Plants for Their Phytochemical Screening and Biological Activity.
22. **Mustafa Javid, 2016-2018.** Documentation of medicinal plants of Narwal and allied areas of Trarkhel, District Poonch, Azad Jammu and Kashmir.
23. **Hina Sharif, 2015-2017.** Effect of green synthesized silver nanoparticles on growth and biochemical attributes of soybean (*Glycine max* L.).
24. **Shaista Shabbir, 2015-2017.** Biogenic synthesis of silver nanoparticles using *Ulmus wallichiana* Planch. Leaf extract and their biological activities.
25. **Anab Saddique, 2015-2017.** Pharmacognostic and phytochemical investigation on *Cuscuta reflexa* Roxb from Rawalakot, Azad Jammu and Kashmir.
26. **Safeena Tariq, 2015-2017.** Pharmacognostic and phytochemical screening of *Plantago major* L. and *Plantago lanceolata* L. from Rawalakot Azad Jammu and Kashmir.
27. **Abid Hussain, 2015-2017.** Bio-fabrication of silver nanoparticles using *Olea ferruginea* Royle and their antibacterial and antioxidant applications.
28. **Najma Anwar, 2015-2017.** Phytotoxic effect of biologically synthesized silver nanoparticles on seed germination and growth of mong bean (*Vigna radiata* L.).
29. **Firdos Beytab, 2015-2017.** Characterization of *Debregeasia salicifolia* (Roxb. Ex D. Don) for its pharmacognostic study from District Sudhnoti, Azad Jammu and Kashmir.

M.Sc./BS Supervised

1. Syed Anees. 2023.
2. Tabina Hafeez, 2023.
3. Areeb, 2023.
4. Abdul Samad, 2022.
5. **Dibaj Arshad, 2021.** Ethnomedicinal Uses of Herbal Plants in Union Council Hurnamira, Rawalakot, Azad Kashmir.
6. **Ayesha Khursheed, 2021.** Ethnomedicinal Uses of Woody Plants in Union Council Dothan, Rawalakot, Azad Kashmir.
7. **Maryam Sohail, 2021.** Diversity and Distribution of Lichen in Rawalakot, District Poonch, Azad Kashmir.
8. **Abdul Manan Yousaf, 2020.** Exploration and ethnomedicinal uses of wild food plants of Abbaspur, Azad Jammu and Kashmir
9. **Taimoor Kiyani, 2020.** Exploration and ethnomedicinal uses of wild food plants of Khoiratta, Kotli, Azad Jammu and Kashmir
10. **Aneesa Farooq, 2020.** Diversity and distribution of woody plants in Kotli, Azad Kashmir
11. **Nimra Khursheed, 2020.** Diversity and distribution of woody plants in Datote, Rawalakot, Azad Kashmir
12. **Huma Raheem, 2019.** Effect of elevation on phenolic content and antioxidant activity of *Acorus calamus* L.
13. **Benish Afsar, 2019.** Diversity and distribution of wood plants in Rawalakot, Azad Kashmir.
14. **Hadia Shafi, 2019.** Effect of elevation on phenolic contents of selected medicinal plants.
15. **Munaza Rasheed, 2018.** Diversity and distribution of trees in Bethak, Sudhnoti, Azad Kashmir.
16. **Sundus Tanveer, 2018.** Morphological and anatomical study of *Mentha* species from Rawalakot District Poonch.
17. **Sadia Hameed, 2018.** Distribution and list of woody flora in Rawalakot, Poonch, Azad Kashmir.
18. **Zunash Naseem, 2018.** Distribution of Woody Flora in Rawalakot, Poonch Azad Kashmir (Pakistan).

19. **Sidra Khalil, 2017.** Diversity and distribution of fruiting plants in Qillan, Sudhnoti Azad Kashmir (Pakistan).
20. **Asma Bashmir, 2017.** An ethnobotanical study from Pallandri District Sudhnoti Azad Kashmir.
21. **Sobia Zahir, 2017.** Diversity and distribution of fruiting plants in Devi Gali, Poonch Azad Kashmir (Pakistan).
22. **Mehmoona Azad, 2017.** Economic values of plants species of Tehsil Baluch Azad Jammu and Kashmir, Pakistan.
23. **Sonia Zahra, 2017.** Distribution of fruiting plants in Hajira, Poonch Azad Kashmir (Pakistan).
24. **Samina Irshad, 2016.** Indigenous knowledge of medicinal shrubs from Dhirkot, Bagh, Azad Kashmir.
25. **Nadia Khadim, 2016.** Study of Medicinal herbs used indigenously in District Poonch, Azad Kashmir.

M. Phil Thesis Evaluated (As an External Examiner)

1. **Samana Azam, 2021.** Ecological assessment of plant communities along environmental gradients of district Haveli, Azad Jammu & Kashmir, Pakistan (M. Phil. Botany), Women University of AJ&K, Bagh.
2. **Mevish Mumshad, 2021.** Phytosociological studies and distribution pattern of plant communities in Dhirkot Bagh Azad Jammu & Kashmir (M. Phil. Botany), Women University of AJ&K, Bagh.
3. **Farkhanda Batool, 2020.** A comparative study on phytochemical screening, antimicrobial, antioxidant and anti-cancerous activities of *Quercus incana*, *Q. dilatata* and *Q. Baloot* of District Bagh, Azad Jammu and Kashmir, Pakistan (M. Phil. Botany), Women University of AJ&K, Bagh.
4. **Farah Yasooob, 2020.** Ecological Assessment of plant resources and diversity in Western Himalayan Forest of Dhirkot, District Bagh, Azad Jammu & Kashmir, Pakistan (M. Phil. Botany), Women University of AJ&K, Bagh.
5. **Sidra Kanwal, 2020.** Quantitative ethnobotanical appraisal of medicinal plants used among the rural communities of Abbaspur, District Poonch Azad Jammu and Kashmir, Pakistan (M. Phil. Botany), Women University of AJ&K, Bagh.
6. **Abida Naz, 2020.** Ethnopharmacological relevance of traditional medicinal flora by indigenous people of district Haveli, Azad Jammu & Kashmir, Pakistan (M. Phil. Botany), Women University of AJ&K, Bagh.
7. **Mehwish Nazim, 2019.** Isolation and characterization of PGPR isolation from *Triticum aestivum* and *Pennisetum glaucum* L. rhizosphere from Tehsil Dhirkot, District Bagh Azad Jammu & Kashmir (M. Phil. Botany), Women University of AJ&K, Bagh.

8. **Uzma Ghaffar, 2019.** Isolation and characterization of bacteria from rhizosphere of *Phaseolus lunatus* (lima bean) from Tehsil Dheerkot, District Bagh Azad Jammu and Kashmir, Pakistan (M. Phil. Botany), Women University of AJ&K, Bagh.
9. **Syeda Sahrish Sabir, 2019.** Taxonomic position and medicinal values of some pteridophytes collected from District Bagh (M. Phil. Botany), Women University of AJ&K, Bagh.
10. **Wajida Aziz, 2019.** Phytosociological enumeration of plants resources of Devi Galli, District Poonch, Azad Jammu & Kashmir, Pakistan (M. Phil. Botany), Women University of AJ&K, Bagh.
11. **Uzma Haleem, 2019.** Screening techniques of leaf rust of pearl millet (*Pennisetum glaucum* L.) by using molecular markers (M. Phil. Botany), Women University of AJ&K, Bagh.
12. **Amrat Shakoor, 2019.** Ethnobotanical evaluation of traditional medicinal flora of Lass Danna (M. Phil. Botany), Women University of AJ&K, Bagh
13. **Tahira Jabeen, 2019.** Ehnopharmacological relevance of indigenous plants from Hajira, District Poonch, Azad Jammu and Kashmir, Pakistan (M. Phil. Botany), Women University of AJ&K, Bagh.
14. **Sundus Ayub, 2018.** Ethnobotanical evaluation of fruit trees and shrubs from districts Hattian Bala and Muzaffarbad, Azad Jammu and Kashmir, Pakistan (M. Phil. Botany), UAJK Muzaffarabad.
15. **Uzma Gulzar, 2018.** Genetic polymorphism in Pinaceae trees sampled from District Bagh Azad Jammu and Kashmir (M. Phil. Biotechnology), Women University of AJ&K, Bagh.
16. **Ghazala Farid Minhas, 2017.** Green synthesis of silver nanoparticles from the extract of *Morus alba* and evaluation of their biological activities (M. Phil. Biotechnology), Women University of AJ&K, Bagh.
17. **Sadia Khurshid, 2017.** *Viola odorata* extract mediated biosynthesis of silver nanoparticles and evaluation of its antimicrobial activity (M. Phil. Biotechnology), Women University of AJ&K, Bagh.

EDITOR/REVIEWER OF THE JOURNALS

1. Editorial board member of EC Pharmacology and Toxicology
2. Editorial board member of Journal of Anatomy Forecast
3. Reviewer of Inorganic and Nano-Metal Chemistry
4. Reviewer of Chemical Engineering & Technology
5. Reviewer of Scientific Reports
6. Reviewer of Journal of Herbal Medicines
7. Reviewer of Journal of Food Chemistry
8. Reviewer of Applied Organometallic Chemistry
9. Reviewer of Material Science & Engineering C
10. Reviewer of IET Nanobiotechnology
11. Reviewer of Toxicological and Environmental Chemistry
12. Reviewer of Asian Pacific Journal of Tropical Medicines

13. Reviewer of Micro & Nano Letters
 14. Reviewer of Journal of Cluster Science
 15. Reviewer of Journal of Cleaner Production
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