

LIST OF PUBLICATIONS

MUHAMMAD NAUMAN KHAN

PUBLICATIONS:

Articles published in International Journals/ impact factor:	32
Articles published in National Journals:	23
Book Chapters:	01

Total:	56
Total Impact Factor:	79.51
Total citation (google scholar):	326
h-index:	12
i10-index:	14

ARTICLES PUBLISHED

1. Khan. R., **Khan, M. N.**, Ullah, H., Basit, A., Razzaq, A., Ahmad, M & Ozdemir, F. A. (2018). A comparative assessment of proximate and elemental composition six weedy grasses for their potential use as fodder. *Progress in Nutrition*, 20(1-S), 182-190. (IF=0.538).
2. **Khan. M. N.**, & Badshah, L. (2019). Floristic diversity and utility of flora of district Charsadda, Khyber Pakhtunkhwa. *Acta Ecologica Sinica*. 39(4): 306-320. (IF=1.414).
3. Shah S. N., M. Ahmad, M. Zafar, F. Hadi, **M. N. Khan**, A. Noor, K. Malik, N. Rashid, A. Kamal and M. Iqbal (2020) Spore morphology and leaf epidermal anatomy as a taxonomic source in the identification of *Asplenium* species from Malakand division Pakistan. *Microsc Res Tech*. 83(11): 1354-1368. (IF=2.769).
4. Hamayun M, N. Khan, **M. N. Khan**, M. Qadir, A. Hussain, A. Iqbal, S. A. Khan, K. U. Rehman, I. J. Lee (2021) “Antimicrobial and plant growth-promoting activities of bacterial endophytes isolated from *Calotropis procera*” *Biocell* 45(2); 363-369. (IF=2.821).
5. Shah, S. N., M. Ahmad, M. Zafar, F. Hadi, **M. N. Khan**, A. Noor, K. Malik, N. Rashid, A. Kamal, M. Iqbal, M. Hussain (2021) “Application of spore morphology to solve identification problems in certain species of family Dryopteridaceae from Malakand Division, Pakistan. *Microsc Res Tech*. 84(8): 1897-1910. (IF=2.769).

6. Shah, W., S. Ullah, S. Ali, M. Idrees, **M. N. Khan**, K. Ali, A. Khan, M. Ali, F. Younas (2021) “Effect of exogenously applied alpha-tocopherol on vital agronomic, physiological and biochemical attributes of Lentil (*Lens culinaris* Medik.) under induced drought stress” *PLoS ONE* 16(8): e0248200. (IF=3.24).
7. Shakir, UU., S. Ullah, **M. N. Khan**, S. Ali, U. Ali, A. Zaman, S. A. Razak, F. A. Ozdemir (2022) “Effect of Thermopriming and Alpha-Tocopherol Spray in *Triticum aestivum* L. Under Induced Drought Stress: A Future Perspective of Climate Change in the Region” *Sains Malaysiana* 51(4): 977-991 (IF=1.1).
8. Shah, S. N., A. Zaman, I. U. Din, F.U. Khan, **M. N. Khan**, M. Iqbal (2022). Spore morphology and its taxonomic consideration in some selected species of Pteridaceae from Malakand Division, Pakistan *Microsc Res Tech* (under review). XX-XX. (IF=2.769).
9. **Khan, M. N.**, S. Ali, S. A. Razak, A. Zaman, M. Iqbal, S. N. Shah (2022). “Assessment of floristic diversity in the mountain ecosystem of Marghazar Valley, Hindukush Range, Swat, Pakistan” *Biodiversitas* 23(2): 1000-1013. (IF=1.05).
10. Saeed, S., Abd Ullah, Sami Ullah, J. Noor, B. Ali, **M. N. Khan**, M. Hashem, Y. S. Mostafa, S. Alamri (2022). “Validating the Impact of Water Potential and Temperature on Seed Germination of Wheat (*Triticum aestivum* L.) via Hydrothermal Time Model” *Life* 12(7):983 (IF=3.251).
11. Nisa, B., F. Ullah, I. Nisa, M. Ahmad, M. Zafar, M. Munir, S. Sultana, W. Zaman, H. Manghwar, F. Ullah, **M. N. Khan**, D. O. El-Ansary, H.O Elansary (2022) “Biodiesel Production Using Wild Apricot (*Prunus aitchisonii*) Seed Oil via Heterogeneous Catalysts” *Molecules*, 27:4752 (IF=4.927).
12. Bibi, S., S. Ullah, A. Hafeez, **M. N. Khan**, M. A. Javed, B. Ali, I. U. Din, S. A. K. Bangash, S. Wahab, N. Wahid, F. Zaman, S. K. Alhag, I. H. A Abd El-Rahim, A. E. Ahmed, S. Selim (2022) “Exogenous Ca/Mg Quotient Reduces the Inhibitory Effects of PEG Induced Osmotic Stress on *Avena sativa* L.” *Brazilian Journal of Biology* 84: e264642, (IF=1.36).
13. Faryal, S., R. Ullah, **M. N. Khan**, B. Ali, A. Hafeez, M. Jaremko, K. A. Qureshi (2022). “Thiourea-Capped Nanoapatites Amplify Osmotic Stress Tolerance in *Zea mays* L. by Conserving Photosynthetic Pigments, Osmolytes Biosynthesis and Antioxidant Biosystems” *Molecules*, 27, 5744. (IF=4.927).

14. Ma, J., S. Ali, M. H. Saleem, S. Mumtaz, G. Yaseen, B. Ali, A. A. Al-Ghamdi, M. S. Elsheikh, C. C. Muresan, R. A. Marc, A. Rehman, **M. N. Khan**, S. Ali (2022) "Short-term responses of Spinach (*Spinacia oleracea* L.) to the individual and combinatorial effects of NPK and silicon in the soil contaminated by boron" *Frontiers in Plant Science*, 13: 983156 (IF=6.627).
15. Naz, Reshman., M. S. Khan, A. Hafeez, M. Fazil, **M. N. Khan**, B. Ali, M. A. Javed, M. Imran, A. A. Shati, M. Y. Alfaifi, S. E. I. Elbehairi, A. E. Ahmed (2022) "Assessment of phytoremediation potential of native plant species naturally growing in a heavy metal-polluted industrial soils" *Brazilian Journal of Biology* 84: e264473, (IF=1.36).
16. Ali, S., S. Ullah, **M. N. Khan**, W. M. Khan, S. A. Razak, S. Wahab, A. Hafeez, S. A. K. Bangash, P. Pocza (2022) "The Effects of Osmosis and Thermo-Priming on Salinity Stress Tolerance in *Vigna radiata* L. *Sustainability* 14 (19): 12924. (IF=3.889).
17. Tahir, O., S.A.K. Bangash, M. Ibrahim, S. Shahab, S.H. Khattak, I.U. Din, **M.N. Khan**, A. Hafeez, S. Wahab, B. Ali, R.M. Makki, S. Harakeh (2023) "Evaluation of Agronomic Performance and Genetic Diversity Analysis Using Simple Sequence Repeats Markers in Selected Wheat Lines". *Sustainability* 15, 293. (IF=3.889).
18. **Khan, M.N.**, D. Ahmad, H. Arif, S. Wahab, S. Iqbal, F. Zaman, M. Bibi, F. Mabood, S. A. Razak, A. Ali, F. A. Ozdemir (2023) "Role of Mycorrhizae in Nutrient Acquisition in Relation to NPK Fertilizers: A Review" *Journal of Xi'an Shiyu University* 19(1): 599-604. (IF=0.38).
19. Tariq, M., B. Ullah, **M. N. Khan**, A. Ali, K. Hussain (2023) "*Skimmia lareoula* fractions via TLR-4 /COX2 /IL-1 β rescues adult mice against Alloxan induced hyperglycemia induced synaptic and memory dysfunction" *Journal of Xi'an Shiyu University* 19(1): 818-829. (IF=0.38).
20. Isa, N., S. A. Razak, R. Abdullah, **M. N. Khan**, S. N. Hamzah, A. Kaplan, H. O. Dossou-Yovo, B. Ali, A. Razzaq, S. Wahab, I. Ullah, M. A. El-Sheikh, R. A. Marc (2023) "Relationship between the floristic composition and soil characteristics of a Tropical Rainforest (TRF)" *Forests* 14:(306) (IF=3.282).
21. Ahmad, D., N. Ahmad, K. Ullah, J. Akbar, M. Q. Nasar, A. Zaman, Barkatullah, **M. N. Khan**, A. Ali, A. Kaplan, F. A. Ozdemir (2023) "In-vitro callogenesis and multiple shoot

formation of *Rauvolfia serpentina* (L.) Benth.” Journal of Xi’an Shiyou University 19(1): 1482-1486. (IF=0.38).

22. Javed, M., S.A.K. Bangash, M. Abbas, S. Ahmed, A. Kaplan, S. Iqbal, **M. N. Khan**, M. Adnan, A. Ali, F. Zaman, S. Wahab (2023) “Potential and Challenges in Green Synthesis of Nanoparticles: A Review” Journal of Xi’an Shiyou University 19(2): 1155-1165. (IF=0.38).
23. Hayat, K., W. M. Khan, **M. N. Khan**, S. N. Shah (2023) “Pollen morphological investigation of selected species of family Asteraceae from Pakistan by using light and scanning electron microscopy” *Microsc Res Tech.* 1–16. (IF=2.893).
24. Ibrahim, M., S. Ahmad, S.A.K. Bangash, I. Alam, A. Sultana, M. Abbas, **M. N. Khan**, Israil, S. Sultana (2023) “Sheep breeds raised under a subtropical environment revealed differential disease patterns and DNA damage” Journal of Xi’an Shiyou University 19(3): 460-466. (IF=0.38).
25. Haq, T.U., R. Ullah, **M. N. Khan**, M. Nazish, S. M. Almutairi, R. A. Rasheed (2023) “Seed priming with glutamic-acid-functionalized iron nanoparticles modulating response of *Vigna radiata* (L.) R. Wilczek (Mung Bean) to induce osmotic stress” *Micromachines* 14, 736. (IF=3.523).
26. Fazil, M., S. Jan, S. Sultana, R. Naz, A. Kaplan, M. Iqbal, **M. N. Khan**, M. Adnan, R. Aziz, S. A. K. Bangash, M. Bibi, S. Wahab (2023) “Phytoremediation potential and implication of nickel of plant species of Mardan Industrial Estate” Journal of Xi’an Shiyou University 19(4): 12-20. (IF=0.38).
27. Ullah, R., S. Bibi, **M. N. Khan**, A. M. Al Mohaimeed, Q. Naz (2023) “Application of Bio-Inspired Gold Nanoparticles as Advanced Nanomaterial in Halt Nociceptive Pathway and Hepatotoxicity via Triggering Antioxidation System” *Catalysts*, 13, 786. (IF=4.501).
28. Shah, S., S. M. Shah, A. Ullah, U. Ali, **M. N. Khan**, S. Sultana, M. Çetin (2023). “Light and Scanning Electron Microscopic Investigation of Selected Taxa of Fabaceae and its Utilization for Taxonomic Classification” Journal of Xi’an Shiyou University 19(5): 262-272. (IF=0.38).
29. Shah, N. A., S. Ullah, M. Nafees, & **M. N. Khan** (2023). “Exogenous Effect of Sugar Beet Extract On Physio-biochemical Traits of *Hordeum vulgare* L. Under Induced Salinity Stress”. *Gesunde Pflanzen*, 1-13. (IF=2.082).

30. Ameen, F., S. Mumtaz, B. Ali, I. Hussain, A. Hafeez, A. Gul, M. M. Elsharkawy, T. A. Hashim, G. Yaseen, **M. N. Khan**, I. Ali, S. M. Eldin, M. A. Rashwan, H. O. Elansary and S. Ali (2023) “The impact of Cu-polluted and organic soil on the fibrous plant; insights into plant growth promotion, antioxidant defences system, and oxidative stress” *Functional Plant Biology* (IF=2.81).
31. Ullah, S., M. I. Khan, **M. N. Khan**, U. Ali, B. Ali, R. Iqbal, Abdel-Rhman Z Gaafar, Bandar M. AlMunqedhi, S. A. Razak, A. Kaplan, S. Ercisli, F. A. Soudy (2023). “Efficacy of Naphthyl Acetic Acid Foliar Spray in Moderating Drought Effects on the Morphological and Physiological Traits of Maize Plants (*Zea mays* L.)” *ACS omega*. (IF=4.132).
32. Ajmal, M., R. Ullah, Z. Muhammad, **M. N. Khan**, H.A. Kakar, A. Kaplan, M. K. Okla, I. A. Saleh, A. Kamal, A. Abdullah, S. A. Razak (2023). “Kinetin Capped Zinc Oxide Nanoparticles Improve Plant Growth and Ameliorate Resistivity to Polyethylene Glycol (PEG)-Induced Drought Stress in *Vigna radiata* (L.) R. Wilczek (Mung Bean)” *Molecules*, 28, 5059. (IF=4.927).
33. **Khan M. N.**, F. Hadi, A. Razaq and S. M. Shah (2017). Utilitarian aspects of weeds and their ecological characteristics in Ochawala valley, District Charsadda, Pakistan *APRN J. Agric & Biol. Sci.* 12(5):182-189.
34. **Khan M. N.**, N. Khan, F. Hadi, S. M. Shah and A. Razzaq (2018). Ecology Of Riparian Vegetation Of Lund Khuwar, District Mardan, KP, Pakistan. *Nat Prod Ind J.* 14(1):119.
35. **Khan M. N.**, F. Hadi, M. Bibi, N. Khan and S. M. Shah. 2019. Utilitarian aspects of weeds of wheat fields in Charbagh valley district Swat Pakistan. *Pak. J. Weed Sci. Res.* 25 (1):37-48
36. **Khan M. N.**, A. Razaq, F. Hadi, N. Khan, A. Basit, F. U. Jan and N. Khan 2018 Ethnobotanical Profile of Weed Flora of District Charsadda, Khyber Pakhtunkhwa *RADS J. Biol . Res. Appl . Sci* Vol 9 (1): 14-23.
37. **Khan M. N.**, S. Ali, H. Akram, F.U. Jan, I. U. Haq, S. M. Shah, M. Adnan, S. M. Hanif, A. N. Siddique (2019). Elemental analysis of five selected grasses of sub family Pooideae from University of Peshawar Campus, KP, Pakistan. *Pure and Applied Biology (PAB)*, 8(2): 1296-1306.

38. Zaman. A, A. Ullah, L. Badshah, Z. Muhammad, A. Razzaq, G. Jelani, U. Ali, N. Raees, **M. N. Khan** (2019). Floristics of weeds in *Triticum aestivum* L. fields of Tehsil Shabqadar, District Charsadda, KP, Pakistan. *Int J Bot Studies* 4(5): 37-44.
39. Jan. F. U, F. Hadi, F. Asad, S. Ali, **M. N. Khan**, T. Yaseen, M. Ibrahim, A. Zaman (2019). Floristic composition, utility and diversity of plants of Ghoriwala, District Bannu, KP, Pakistan *Int J Bot Studies* 4(5): 22-32
40. Asad. M, N. Ahmed, A. Sohail, T. Burni, F. Hadi, R. Ali, **M. N. Khan**, A. Aziz and A. Muhammad (2020). *In vitro* shoots multiplication from nodal explants of (*Sesamum indicum* L.) *Pure & Appl. Bio* 9(1): 303-308.
41. Ibrahim. M, **M. N. Khan**, S. Ali, A. Razzaq, A. Zaman, M. Iqbal and F. Jan (2019). Floristic Composition and Species Diversity of Plant Resources of Rural Area “Takht Bhai” District Mardan, Khyber Pakhtunkhwa, Pakistan. *Med Aromat Plants* 8(5): 338.
42. Ali. S, **M. N. Khan**, K. Ali, A. Zaman and M. Iqbal (2020) Preliminary phytochemical analysis of selected plants occurring in district Nowshera, Khyber Pakhtunkhwa *Pure Appl. Biol.*, 9(1): 683-695.
43. Naila, S., M. Ibrar, F. Hadi and **M. N. Khan**. 2020. Pharmacognostic evaluation of *Oxalis pes-caprae* L. (Family Oxalidaceae). *Sarhad Journal of Agriculture*, 36(1): 70-80.
44. **Khan M. N**, S. Ali, T. Yaseen, S. Ullah, A. Zaman, M. Iqbal, S. Shah. 2019. Eco-Taxonomic Study of Family Poaceae (Gramineae). *RADS J Biol Res Appl Sci.* 10(2):63-75.
45. Ullah S, M. Khan, M. Idress, S. Ali, **M. N. Khan**, M. Adnan and F. A.Ozdemir (2020) Enhancement effect of Hydroxyl Benzoic Acid (HBA) foliar application on growth performance of *Triticum aestivum* L. (Wheat) under induced chromium toxicity. *Pure and Applied Biology (PAB)*, 9(4): 2529-2542.
46. **Khan M. N.**, S. Ali, T. Yaseen, M. Adnan, S. Ullah, A. Zaman, M. Iqbal, S. N. Shah, A. Ali, A. Razzaq, F. A. Ozdemir (2020) “Assessment of Proximate and Nutritional Contents in Selected Weedy Grasses for Potential Use as Fodder in District Charsadda, KP” *Proceedings of the Pakistan Academy of Sciences B. Life and Environmental Sciences* 57(2); 83-94.
47. Sher, S., T. Burni, A. Sohail, A. Ali, **M. N. Khan**, T. Yaseen, A. Zaman, F. A. Ozdemir, S. M. Hanif, H. Arif, S. Wahab (2021) “Studying the infection of oil yielding plants by

Arbuscular Mycorrhiza Fungi in Jahangira District Nowshera, Pakistan” *Bioscience Research*. 18(2): 1160-1173.

48. Hassan, R., **M. N. Khan**, A. Ali, S. A. Razak, A. Wahab, N. A. Ali, A. Zaman, F. A. Ozdemir, H. Arif, M. Bibi, M. Adnan (2021) “Role of 1-aminocyclopropane-1-carboxalate (ACC), Deaminase producing bacteria in heavy metal and other stresses: A Review” *Bioscience Research*, 18(3): 2490-2500.
49. Bibi, S., S. Ullah, A. Khalid, **M. N. Khan**, A. Zaman, M. Hussain (2021) “Nickel uptake by Wheat and transport in soil column under Industrial waste water irrigation: A case study in Pakistan” *Bioscience Research*, 18(4): 2774-2787.
50. Riaz, R., L. Badshah, A. Ullah, A. Zaman, **M. N. Khan**, F. Zaman (2022). “Ethnobotanical analysis of medicinal plants used in the tribal communities of Takht-E-Nasrati, district Karak, Khyber Pakhtunkhwa” *Bioscience Research*, 19(2):793-797.
51. Rehman, K. U., **M. N. Khan**, Q. Agha, L. Syed, F. Zaman, R. Amin, M. Adnan, F. A. Ozdemir (2022) Antimicrobial effectiveness of Indian Valerian (*Valeriana Jatamansi* Jones ex Roxb.). *Bioscience Research*, 19(2):1019-1024.
52. Bazai. M. A., S.U. Rahman, A. Memon, H. U. Rahman, F. Ullah, **M. N. Khan** (2022) “Effect of Apple Peel (extract) on the growth performance and health status of Broilers” *Bioscience Research* 9(4):1762-1767.
53. Barkatullah, M. Khan, K. U. Rahman, **M. N. Khan**, Q. Agha, M. Bibi, S. Wahab, M. Ghazal, L. Farooq, Z. Rahim, and H. A. Begum (2022) “Ecological Characteristics, and conservation assessments of vegetation of Jaban Wartair Hills, Malakand Division, Khyber Pakhtunkhwa” *Bioscience Research* 19(3); 1579-1584.
54. Bilqees, R., S. Khush, H. Uddin, I. Hameed, Z. E. Huma, **M. N. Khan**, S. A. Razak, M. Adnan, M. Nisa, Saqibullah, F. Haq, M. Ishaq, M. Romman (2022) “Blood Glucose, Creatinine and Gamma glutamyl transferase enzyme lowering effect of *Nepeta cataria* L. *Bioscience Research* 19(3):1351-1358.
55. Hayat, K., W. M. Khan, **M. N. Khan**, F. Mabood, B. Amin, U. U. Shakir, M. Izhar, S. Wahab, R. Chandni, S. Khan (2022) “Impact of Salt Stress on selected cultivars of Wheat (*Triticum aestivum* L.) under laboratory condition” *Bioscience Research* 19(4):1986-1992.