

Dr. Naveed Ahmad

List of Publications:

1. Ullah, I., **N. Ahmad**, N. Ahmad, Misbahullah. M. Zamin, M. Irshad, A. Alam, I. Aziz, K. Ullah and M. Adnan Khan. 2026. Climate-Induced Variability in Secondary Metabolites of *Indigofera heterantha*: Implications for Conservation and Sustainable Mountain Agriculture. *The Journal Advances of Nutrition Science and Technology*. 6(3-4): 64-69, 2026.
2. **Ahmad, N.**, N. Ahmad, M. Sajid, K. Rauf, M. Iqbal, M. Numan, I. Ullah, A. Khan, W.H. Al-Qahtani, M.A. Abdel-Maksoud, H. AbdElgawad, B. Iqbal and A. Jalal. 2025. Potential role of inoculum size in biomass accumulation and antioxidant secondary metabolites production in adventitious root cultures of *Stevia rebaudiana*. *Plant Biosystems*. 159(1): DOI: 10.1080/11263504.2025.2460459. **(Impact Factor = 1.6)**.
3. Ullah, I., M. Sajid, **N. Ahmad**, J. Rehman, K. U. Rahman, W. Bilal, M. Ali, M. Ilyas and Farooq. 2025. Influence of Fruit Thinning Intensity on Yield and Fruit Quality of Apple Cultivars. *Journal Advances of Nutrition Science and Technology*. 5(3-4): 93-100.
4. Mukhtar, S., **N. Ahmad**, N. Ahmad, M. Sajid, I. Ullah, N. Samad, M. Numan, Z. Iqbal, H. Fazal, M. Ali, and H. Sher. 2025. Large scale production of in vitro plantlets of *Stevia rebaudiana* (Bertoni) using low-cost gelling agents as alternative to commonly used agar. *Asia-Pacific Journal of Science and Technology*: 30(03).
5. Ali, M., A.M. Khattak, **N. Ahmad**, K. Rauf, I. Ullah, S. Ali, A. Khan, M.A. Rauf, K.U. Rahman, J. Rahman, W. Bilal, M. Ilyas and Farooq. 2024. Optimizing Phytohormone Combinations in Murashige and Skoog Media for Enhanced Micropropagation of *Ajuga bracteosa*. *Journal Advances of Nutrition Science and Technology*. 4(3-4):85-90. DOI:10.15228/ANST. 2024.v04.i03-4. p10.
6. Khan, A., N. Ahmad, H. Fazal, M. Ali, F. Akbar, I. Khan, M. Tayyab, M. N. Uddin, **N. Ahmad**, M. A. Abdel-Maksoud, I. Saleh, N. Zomot, H. AbdElgawad, K. Rauf, B. Iqbal, M. C. M. T. Filho and A. Jalal. 2024. Biogenic synthesis of silver nanoparticles using *Rubus fruticosus* extract and its antibacterial efficacy against *Erwinia carotovora* and *Ralstonia solanacearum* phytopathogenesis. DOI: <https://doi.org/10.1039/D3RA06723H>. *The Royal Society of Chemistry (RSC) Advances.*, 14: 5754–5763. **(Impact Factor = 4.6)**.
7. Khan, M., A. M. Khattak, S. Ahmad, S. A. Khalil, **N. Ahmad**, S. A. A. Shah, S. Ali, Y. S. Moon and A. F. Alrefaei. 2024. Polyethylene glycol-stimulated drought stress enhanced the biosynthesis of steviol glycosides in *Stevia rebaudiana*. DOI: [http://dx.doi.org/10.30848/PJB2024-5\(3\)](http://dx.doi.org/10.30848/PJB2024-5(3)). *Pakistan Journal of Botany*. 56(5). **(Impact Factor = 1.2)**.
8. Ullah, I., M. Sajid, N. Ahmad, **N. Ahmad**, K. Rauf, R. Khalil, B. Iqbal, M. Ali, M.C.M.T. Filho, M.K. Okla, H. Abd Elgawad, A. Khan and A. Jalal. 2023. Melatonin-induced development of adventitious roots, biosynthesis of secondary cell products and greener synthesis of silver nanoparticles for biological activities using *Indigofera heterantha*. *South African Journal of Botany*. *South African Journal of Botany* 162:920 - 934. **(Impact Factor = 3.1)**.

9. Bano, A. S., A. M. Khattak, A. Basit, M. Alam, S. T. Shah, **N. Ahmad**, S. A. Q. Gilani, I. Ullah, S. Anwar, H. I. Mohamed. 2022. Callus Induction, Proliferation, Enhanced Secondary Metabolites Production and Antioxidants Activity of *Salvia moorcroftiana* L. as Influenced by Combinations of Auxin, Cytokinin and Melatonin. *Brazilian Archives of Biology and Technology*. 65: e22210200. **(Impact Factor = 1.180)**.
10. **Ahmad, N.**, A. Rab, M. Sajid, N. Ahmad, H. Fazal, M. Ali and U. Egertsdotter. 2021. Sucrose-dependent production of biomass and low-caloric steviol glycosides in adventitious root cultures of *Stevia rebaudiana* (Bert.). *Industrial Crops & Products* 164: 113382. **(Impact Factor = 6.449)**.
11. Ahmad, A., H. Ali, H. Khan, A Begam, S. Khan, S. S. Ali, **N. Ahmad**, H. Fazal, M. Ali, C. Hano, N. Ahmad and B. H. Abbasi. 2020. Effect of gibberellic acid on production of biomass, polyphenolics and steviol glycosides in adventitious root cultures of *Stevia rebaudiana* (Bert.). **Plants (MDPI)**. (9); 420. doi:10.3390/plants9040420. **(Impact Factor = 4.658)**.
12. Rukh, G., N. Ahmad, A. Rab, **N. Ahmad**, H. Fazal, I. Ullah, S. Mukhtar and N. Samad. 2019. Photo-dependent somatic embryogenesis from non-embryogenic calli and its polyphenolics content in high-valued medicinal plant of *Ajuga bracteosa*. *Journal of Photochemistry and Photobiology B-Biology*. 190: 59–65. **(Impact Factor = 6.252)**.
13. Idrees, M., B. Sania, B. Hafsa, S. Kumari, H. Khan, H. Fazal, I. Ahmad, F. Akbar, **N. Ahmad**, S. Ali, N. Ahmad. 2018. Spectral lights trigger biomass accumulation and production of antioxidant secondary metabolites in adventitious root cultures of *Stevia rebaudiana* (Bert.). *CR Biologies*; 341(6):334-342. (Impact Factor = 2.357).
14. **Ahmad, N.**, A. Rab, N. Ahmad and H. Fazal. 2018. Differential pH-Induced biosynthesis of steviol glycosides and biochemical parameters in submerge root cultures of *Stevia rebaudiana* (Bert.). *Sugar Tech*. 20(6):734–744. <https://doi.org/10.1007/s12355-018-0589>. **(Impact Factor = 1.872)**
15. Rab, A., M. Sajid, **N. Ahmad**, K. Nawab and S.G. Ali. 2017. Foliar calcium application ameliorates salinity-induced changes of tomato crop grown in saline conditions. *Sarhad J. Agri*. 33(4): 540-548.
16. Rab, A., M. Sajid, S.T. Shah and **N. Ahmad**. 2017. Foliar application of salicylic acid retains quality of apricot fruit during storage and marketing. *Sci. Int. (Lahore)*. 29(6): 1245-1251.
17. Rab, A., J. Rahman, M. Sajid, **N. Ahmad**, M. Ahmad, K. Nawab and K. Ali. 2016. Influence of harvesting dates on fruit quality and storage performance of sweet orange (blood red) fruit. *J. Animal Plant Sci*. 26(6): 1659-1665. **(Impact Factor = 0.570)**.
18. **Ahmad, N.**, A. Rab and N. Ahmad. 2016. Light-induced biochemical variations in secondary metabolite production and antioxidant activity in callus cultures of *Stevia rebaudiana* (Bert). *J. Photochem. Photobiol. B: Biol. J. Photochem. Photobiol. B: Biol*. 154: 51-56. **(Impact Factor = 6.252)**
19. Khalil, S.A., N. Kamal, M. Sajid, **N. Ahmad**, R. Zamir, N. Ahmad and S. Ali. 2016. Synergism of polyamines and plant growth regulators enhanced morphogenesis,

stevioside content, and production of commercially important natural antioxidants in *Stevia rebaudiana* Bert. In Vitro Cell.Dev.Biol.-Plant: 52:174–184. DOI 10.1007/s11627-016-9749-6. **(Impact Factor = 2.347)**

20. Sajid, M., O. Ullah, M.A. Khan, A. Rab, A. Khan, F. Wahid, S. T. Shah and **N. Ahmad**. 2016. Phytohormones influence the micro propagation of *Stevia rebaudiana* Bertoni through callogenesis. Advan. Food Sci. 38(4): 139-146. **(Impact Factor = 0.36)**.
21. Jamil, E., S. Zeb, Q. S. Ali, **N. Ahmad**, M. Sajid, S. Siddique and M. S. Saleem. 2016. Effect of seed soaking on seed germination and growth of bitter gourd cultivars. Pure Appl. Biol. 5(1): 31-36.
22. Bilal, W., M. Sajid, K.U. Rehman, **N. Ahmad**, A.A. Awan, B. Hussain, Z. Bacha, F.U. Rehman, A. Naeem, Q.S. Ali and F. Bibi. 2015. Physical and chemical attributes of various cultivars of Plum fruit. Pure Appl. Biol., 4(3): 353-361.
23. Ali, Q.S., S. Zeb, E. Jamil, **N. Ahmad**, M. Sajid, S. Siddique, N. Jan and M. Shahid. 2015. Effect of various levels of nitrogen, phosphorus and potash on the yield of French Bean. *Pure Appl. Biol.* 4(3): 318-322.
24. Qasim, M., F. Jan, F. Nouroz, S.H. Shah, Rozina, N. Ahmad and Z. Ali. 2015. Ethno Medicinal Study of Swabi, Pakistan. Eur. Acad. Res. 3(7).
25. Jan, I., M. Sajid, A. Rab, A. Iqbal, O. Khan and Y. Jamal, **N. Ahmad**, A. Ali, M. Shakoor and S.T. Shah. 2015. Effect of various concentrations of indole butyric acid (IBA) on olive cuttings. Mitt Eilungen Klosterneuburg. 65: 49-55. **(Impact Factor = 0.571)**.
26. Azeem, K., **N. Ahmad**, S. T. Shah, F. Khan, Y. Arafat, F. Naz and I. Azeem. 2014. Physiological indices, biomass and economic yield of maize influenced by humic acid and nitrogen levels. Ame. J. Experiment. Agric. Russian Agric. Sci. 41 (2): 115–119.
27. Sajjad, A., F. Wahid, M. Sajid, I. Hussain, S. Ahmed, **N. Ahmad** and N. Ahmed. 2014. Propagation of Olive Cultivars through Air Layerage. J. Agric. Vet. Sci. 7(2): 121-125.
28. Sajid, M., A. Rab, N. Amin, A. Khan, A. Mateen, **N. Ahmad**, F. Wahid and Amanatullah. 2013. Effect of Diammonium Phosphate (DAP) on flowers and bulb production of Tulip's cultivars. Pure Appl Bio., 2 (2): 48-52.
29. Mehmood, N., G. Ayub, I. Ullah, **N. Ahmad**, M. Noor, A. M. Khan, S. Ahmad and Farzana. 2012. Response of tomato (*Lycopersicon esculentum* Mill.) cultivars to nitrogen levels. Pure Appl. Bio. 1(3): 63-67.
30. Khan. I., A. U. Jan, F. Gul. K. Ali, G. Ali, S. Ahmad and **N. Ahmad**. 2011. Weeds as a major constraint in wheat production in district Peshawar. Pak. J. Weed Sci. Res. 17(4):381-386.
31. Ali. K., F. Munsif, Z. Hussain, I. Khan, **N. Ahmad**, N. Khan and M. Shahid. 2011. Effect of different weed control methods on weeds and maize grain yield. Pak. J. Weed Sci. 17(4):313-321.