

CURRICULUM VITAE



NASIM AHMAD YASIN

- + Senior Superintendent Garden, *University of the Punjab, Lahore, Pakistan.*
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 - **Nationality:** Pakistan

SCIENTIFIC ACCOUNTS:

- + **Google Scholar ID:** <https://scholar.google.dk/citations?user=mlWh5h0AAAAJ&hl=en>
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- + **Sciprofile:** <https://sciprofiles.com/profile/508345>
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- + **Exaly:** <https://exaly.com/author/3303986/nasim-ahmad-yasin>
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- + **Wikidata:** <https://www.wikidata.org/wiki/Q57546623>

QUALIFICATION

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- + **2021-2022:** Post-Doctorate:

Vegetable Research Institute, Guangdong Academy of Agricultural Sciences, China.

- + **2015:** PhD:

Research Title: Studies on Induction of Systemic Resistance in Rose by *Pseudomonas* and *Bacillus* Strains against *Diplocarpon rosae*.

Institute of Agricultural Sciences: University of the Punjab Lahore.

- + **1997:** M. Sc. (Hon):

Research Title: Effect of Special Pruning Practices on Vegetative and Reproductive Growth of Apple.

University College of Agriculture, Rawalakot: The University of Azad Jammu and Kashmir – Muzaffarabad Azad Kashmir (1st division).

✚ **1995:** B. Sc. (Hon):
Barani Agriculture College, Rawalpindi. University of Agriculture, Faisalabad (1st division).

EMPLOYMENT HISTORY

1: TEACHING AND RESEARCH SUPERVISION

- ✚ Worked as **Visiting Lecturer** at Institute of Mycology and Plant Pathology, *University of the Punjab, Lahore* from September 2005 to February 2008.
- ✚ Worked as **Honorary Lecturer** in *University College of Agriculture, The University of Azad Jammu and Kashmir* during 1996-97.

✚ **SUPERVISION OF Ph. D. SCHOLARS: 08**

✚ **OTHER SCHOLARS: 12**

1. Waheed Ullah Khan (PhD: Completed): College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan.

Research Topic: Role of Metal Tolerant Rhizobacteria on Phytoremediation of Cd and Ni Contaminated Soils by *Catharanthus roseus* (L.). Don.

2. Anis Ali Shah (PhD: Completed): Department of Botany, University of the Punjab, Lahore, Pakistan.

Research Topic: Studies for exogenous application of antioxidants to alleviate heavy metal stress in cucumber (*Cucumis sativus* L.).

3. Rehana Sardar (PhD: Completed): Institute of Botany, University of the Punjab, Pakistan.

Research Topic: Effects of Seed Priming with Phytoprotectants on Cadmium Stress Alleviation in *Coriandrum sativum* L.

4. Saba Manzoor (PhD: Completed): Department of Botany, University of Sargodha, Pakistan.

Research Topic: Genome-Wide Association Mapping for Drought Tolerance in Carrot (*Daucus carota* L.) Germplasm Using Genotyping-by-Sequencing (GBS)

5. Samia Faiz (PhD: Under Process): Department of Botany, University of Sargodha, Pakistan.

Research Topic: Physio-Morphic and biochemical characterization of carrot (*Daucus carota* L.) in response to silver nanoparticles against cadmium (Cd) stress.

6. Danish Ashfaq (PhD: Under Process): Department of Botany, University of Sargodha, Pakistan.

Research Topic: Physio-Morphic and biochemical characterization of carrot (*Daucus carota* L.) in response to silver nanoparticles against lead (Pb) stress.

7. Saber Hussain (PhD: Under Process): Multifarious Interactive Effects of Selenium and Sodium Chloride on Growth, Physiochemical Attributes and Yield of *Brassica rapa* L. Institute of Botany, University of the Punjab, Pakistan.

8. Muhammad Sajid (PhD: Under Process): Impacts of Seed Priming with Polyethylene Glycol on Abiotic Stress Tolerance, Growth and Nutritional Quality of Radish (*Raphanus Sativus L.*). Institute of Botany, University of the Punjab, Pakistan.

9. Hafsa Nemat (BS: Completed 2020): Department of Botany, University of Narowal, Pakistan.

Research Topic: Ameliorative effect of co-application of *Bradyrhizobium japonicum* EI09 and Se to mitigate chromium stress in *Capsicum annum L.*

10. Tarifa Mushtaq (BS: Completed 2020): Department of Botany, University of Narowal, Pakistan.

Research Topic: Synergistic ameliorative effect of iron oxide nanoparticles and *Bacillus subtilis* S4 against arsenic toxicity in *Cucurbita moschata*: polyamines, antioxidants, and physiochemical studies.

11. Muniba Tariq (BS: Completed 2020): Department of Botany, University of Narowal, Pakistan.

Research Topic: Enhanced performance of *Bacillus megaterium* OSR-3 in combination with putrescine ameliorated hydrocarbon stress in *Nicotiana tabacum*.

12. Kanwal Akram (BS: Completed 2020): Department of Botany, University of Narowal, Pakistan.

Research Topic: Ameliorative role of *Bacillus subtilis* FBL-10 and silicon against lead induced stress in *Solanum melongena*.

13. Fatima Bibi (BS: Completed 2020): Department of Botany, University of Narowal, Pakistan.

Research Topic: Synergistic effect of *Bacillus thuringiensis* IAGS 199 and putrescine on alleviating cadmium-induced phytotoxicity in *Capsicum annum*.

14. Sonia Aslam (BS: Completed 2020): Department of Botany, University of Narowal, Pakistan.

Research Topic: Combined effect of *Bacillus fortis* IAGS 223 and zinc oxide nanoparticles to alleviate cadmium phytotoxicity in *Cucumis melo*.

15. Azna (BS: Completed 2020): Department of Botany, University of Narowal, Pakistan.

Research Topic: 4-Hydroxymelatonin alleviates nickel stress, improves physiochemical traits of *Solanum melongena*: Regulation of polyamine metabolism and antioxidative enzyme.

16. Samia Anwar (BS: Completed 2021): Department of Botany, University of Narowal, Pakistan.

Research Topic: Interactive potential of *Bacillus megaterium* A12 and biochar in chromium stress mitigation in *Spinacia oleraceae*: Methylglyoxal detoxification and activation of antioxidant enzymes

17. Muhammad Mudassir (BS: Completed 2021): Department of Botany, University of Narowal, Pakistan.

Research Topic: Interactive effect of iron oxide nanoparticles and selenium decreases arsenic uptake and toxicity in *Cucumis melo* through modulating antioxidant and glyoxalase system

18. Urwa Batool (BS: Completed 2021): Department of Botany, University of Narowal, Pakistan.

Research Topic: Impact of silver nanoparticles and biochar on the growth, yield and productivity of Fenugreek under cadmium stress.

19. Rida Saleem (BS: Completed 2021): Department of Botany, University of Narowal, Pakistan.

Research Topic: Effect of potassium sulphate solution on *Coriandrum sativum* under Pb stress: Application of biochar and PGPR

20. Romaisa Ijaz (BS: Completed 2021): Department of Botany, University of Narowal, Pakistan.

Research Topic: Remediation of heavy metal stress, toxicity of cadmium (Cd) from contaminated soil by using thiol-modified biochar and promoting growth of plants in crop of *Abelmoschus esculentus* by adding PGPR.

2: PROFESSIONAL EXPERIENCE

- ✚ Working as **Senior Superintendent Garden** (BPS-18) in *University of the Punjab, Lahore* since August 3, 2012 to date.
- ✚ Worked as **Superintendent Garden** in *University of the Punjab, Lahore* from July1, 2003 to August 2, 2012.
- ✚ Worked as part time **Nursery In-charge, Floriculture Research Farm** in University of the Punjab for one year from January1, 2007 to 2008.
- ✚ Worked as **Assistant Manager Horticulture** in *SUPARCO* for six months.
- ✚ Worked as **Manager Operations** in *Horti Group*, Lahore from January 9, 1998 to July17, 2000.
- ✚ Worked as **Estate Manager** in *Chand Bagh School*, Muridke from November11, 2000 to October31, 2002.
- ✚ Worked as part time **Horticulturist** in different organizations.

EDITORIAL MEMBER

- ✚ Frontiers in Plant Sciences
- ✚ Journal of Food Quality
- ✚ Advances in Agriculture
- ✚ BMC Plant Biology
- ✚ International Journal of Agronomy
- ✚ Frontiers in Environmental Science
- ✚ Urban Agriculture & Regional Food Systems
- ✚ SCIREA Journal of Agriculture
- ✚ Online Journal of Microbiological Research
- ✚ Frontiers in Environmental Chemistry
- ✚ Frontiers in Genetics
- ✚ SCIREA Journal of Environment
- ✚ Open Journal of Agricultural Research
- ✚ Journal of Modern Agriculture and Biotechnology
- ✚ Frontiers in Agronomy
- ✚ Frontiers in Soil Science
- ✚ Frontiers in Microbiology
- ✚ International Journal of Research Publications

- ✚ Journal of Agriculture and Aquaculture
- ✚ American Journal of Agricultural and Biological Sciences
- ✚ Air, Soil and Water Research
- ✚ Genes
- ✚ Journal of Food Processing and Preservation
- ✚ Peer J
- ✚ Journal of Agriculture and Livestock Farming

JOURNAL'S REVIEWER :

- ✚ RESEARCH JOURNALS REVIEWED: 88
- ✚ CONFERENCES ARTICLES REVIEWED: 03
- ✚ BOOKS REVIEWED: 02

S. NO	NAME OF RESEARCH JOURNAL	NO. OF REVIEWS
1	International Journal of Phytoremediation	65
2	Crop & Pasture Science	6
3	Current Microbiology	8
4	Journal of Applied Microbiology	6
5	Plant Disease	5
6	Natural Product Research	3
7	Plant Physiology and Biochemistry	8
8	Acta Physiologiae Plantarum	4
9	Asian Journal of Agricultural and Horticultural Research	2
10	Bioresource Technology	2
11	Ecotoxicology and Environmental Safety	2
12	Food Science and Engineering	2
13	Journal of Agricultural Science	2
14	Journal of Horticulture and Plant Research	2
15	Phyton - International Journal of Experimental Botany	2
16	Sustainable Agriculture Research	2
17	African Journal of Food Science	1
18	Agricultural Sciences	1
19	Agronomy Journal	2
20	Annual Research & Review in Biology	1
21	Asian Journal of Research in Infectious Diseases	1
22	BioMed Research International	4
23	Biosciences Biotechnology Research Asia	1
24	Canadian Journal of Plant Science	1
25	Environmental and Experimental Botany	3
26	Global Journal of Ecology	1
27	Heliyon	5
28	Indian Journal of Pharmaceutical Education and Research	1

29	International Conference on Agricultural and Biological Sciences	1
30	International Conference on Water Resource and Environment	1
31	International Journal of Agricultural Science and Food Technology	1
32	International Journal of Agronomy	2
33	International Journal of Plant & Soil Science	5
34	Journal of Advances in Microbiology	1
35	Journal of Agriculture and Rural Development in the Tropics and Subtropics	1
36	Journal of Experimental Agriculture International	1
37	Journal of Plant Protection Research	1
38	Journal of Public Health and Epidemiology	1
39	The Scientific World Journal	1
40	Tree Physiology	1
41	Trends in Food Science & Technology	1
42	Letters in Applied Microbiology	4
43	Arabian Journal of Geosciences	2
44	International Journal of Environment and Climate Change	1
45	Results in Physics	2
46	PLOS ONE	1
47	Environmental Research	5
48	Journal of Biomedical Materials Research: Part B - Applied Biomaterials	2
49	Biodiversitas, Journal of Biological Diversity	1
50	Agriculture	1
51	Sustainability	1
52	Science of the Total Environment	10
53	Frontiers in Nutrition	1
54	AgriEngineering	1
55	BMC Plant Biology	2
56	Agronomy	2
57	Advances in Agriculture	1
58	Environmental Science and Pollution Research	3
59	ACS OMEGA	1
60	Bioremediation Journal	1
61	IWEG2022-The fifth Workshop on Environment and Geoscience	1
62	INTECHOPEN	02
63	Applied Water Science	02
64	Journal of Plant Physiology	01
65	PeerJ – The Journal of Life and Environmental Sciences	01
66	Adsorption Science & Technology	01
67	Chemosphere	02
68	Frontiers in Plant Science	02
69	Plant and Soil	01
70	Atmosphere	01
71	All Life	01
72	Environmental Pollutants and Bioavailability	02

73	Plants	01
74	Waste	01
75	International Journal of Molecular Sciences	01
76	Horticulturæ	01
77	Genes	01
78	International Journal of Environmental Research and Public Health	01
79	Journal of Integrative Agriculture	01
80	Horticulture Research	01
81	Processes	01
82	Journal of Agronomy Research	01
83	Forests	01
84	Journal of Applied Research on Medicinal and Aromatic Plants	01
85	Journal of Plant Interactions	02
86	Biocatalysis and Agricultural Biotechnology	01
87	Journal of Soil Science and Plant Nutrition	01
88	Chemistry and Biodiversity	01

RESEARCH PUBLICATIONS

RESEARCH INTERESTS:

Plant Sciences

Integrated Pest Management

Phytoremediation

Bio-fertilizers

Biotic and Abiotic Plant Diseases

Plant Stress Physiology

Plant Microbe Interaction

Bio-pesticides

✚ Total Published Manuscripts: >80

✚ Manuscripts as Principal Author (First Author/ Corresponding Author) > 32

2023

- Ahmed, S., Mudassar, S., Sardar, R., & **Yasin, N. A***. (2023). 28-Homo-Brassinolide Confers Cadmium Tolerance in *Vigna radiata* L. Through Modulating Minerals Uptake, Antioxidant System and Gas Exchange Attributes. *Journal of Plant Growth Regulation*, 1-15. (IF: 4.64).
- Akbar, M., Raza, A., Khalil, T., **Yasin, N. A.**, Nazir, Y., Ahmad, A. (2023). Isolation of herbicidal compounds, quercetin and β -caryophyllene, from *Digera muricata*. *Arabian Journal of Chemistry*. doi: <https://doi.org/10.1016/j.arabjc.2023.104653>. (IF: 6.21).
- Hussain, S., Ahmed, S., & **Yasin, N. A***. (2023). Selenium Seed Priming Enhanced Growth of Salt-Stressed *Brassica rapa* L. through Improving Plant Nutrition and Antioxidative System. *Frontiers in Plant Science*, 4693. <https://doi.org/10.3389/fpls.2022.1050359>. (IF: 6.627).
- Khan, W. U., **Yasin, N. A***, Ahmad, S.R., Nazir, A., Naeem, K., Nadeem, Q. U. A., Khan, S. N., Ijaz, M., Tahir, A. *Burkholderia cepacia* CS8 improves phytoremediation potential of *Calendula officinalis* for Tannery Solid Waste polluted soil. Journal: *International Journal of*

Phytoremediation. Journal ISSN: 1549-7879. DOI: 10.1080/15226514.2023.2183717. (IF: 3.65).

5. **Yasin NA***, Khan TA., Ali A. & Ahmed M. (2023). Editorial: Environmental extremes threatening food crops. *Frontiers in Plant Science*, 209. 14:1172539. doi: 10.3389/fpls.2023.1172539. (IF: 6.627).
6. Ahmed, M., Ali, S., Zahid, A., Ahmad, S., **Yasin, N. A.**, & Hayat, R. (2023). Climate Change and Process-Based Soil Modeling. In *Global Agricultural Production: Resilience to Climate Change* (pp. 73-106). Cham: Springer International Publishing.
7. Ahmed, I., Li, Z., Shahzad, S., Naveed, S., Khan, A. K., Ahmed, A., ... & Munir, S. (2022). Potential Probiotics Role in Excluding Antibiotic Resistance. *Journal of Food Quality*, 2022. (IF: 3.2).
8. Nijabat, A., Naveed, N. H., Faiz, S., Yasin, N. A., & Ali, A. (2022). Combinatorial Effects of Thidiazuron and Gibberellic Acid on *in vitro* Propagation of an Endangered Tree: Cane Palm (*Dypsis lutescens*). *Southern Journal of Research*, 2(2), 90–101. <https://doi.org/10.20021/sjr.v2i2.61>.
9. ANWAR, S., SHAH, A. A., YASIN, N. A., RAMZAN, M., KHAN, W. U., KOUSAR, S., ... & HUSSAIN, M. I. (2023). Interactive Potential of *Bacillus megaterium* A12 and Biochar in Chromium Stress Mitigation in *Spinacia oleracea*: Methylglyoxal Detoxification and Activation of Antioxidant Enzymes. *Pak. J. Bot*, 55(5), 1931-1940. (IF: 1.1).

2022

10. Ahmad, A., Akram, W., Mubeen, S., Ahmad, A., Shahzadi, I., Saeed, W., **Yasin, N. A.**, Shah, A. A., & Siddiqui, M. H. (2022) Calcium nanoparticles impregnated with benzene dicarboxylic acid a new approach to alleviate combined stress of DDT and cadmium in *Brassica alboglabra* by modulating bioaccumulation, antioxidative machinery and osmoregulators. <https://doi.org/10.3389/fpls.2022.825829>. *Frontiers in Plant Science*, 209. (IF: 6.627).
11. Ahmad, A., Khan, T., Shahzad, S., Ullah, S., Shahzadi, I., Ali, A., Akram, W., **Yasin, N. A.**, & Yusuf, M. (2022). BioClay nanosheets infused with GA3 ameliorate the combined stress of hexachlorobenzene and temperature extremes in *Brassica alboglabra* plants. *Frontiers in plant science*, 13. <https://doi.org/10.3389/fpls.2022.964041>. (IF: 6.627).
12. Ahmad, A., Khan, T.A., Shahzad, S., Ullah, S., Shahzadi, I., Ali, A., Akram, W., **Yasin, N.A.** and Yusuf, M., 2022. BioClay nanosheets infused with GA3 ameliorate the combined stress of hexachlorobenzene and temperature extremes in *Brassica alboglabra* plants. *Frontiers in Plant Science*, 13. <https://doi.org/10.3389/fpls.2022.964041>. (IF: 6.627).
13. Ahmad, A., Wang, R., Mubeen, S., Akram, W., Hu, D., **Yasin, N. A.**, ... & Wu, T. (2022). Comparative transcriptomics reveals defense acquisition in *Brassica rapa* by synchronizing brassinosteroids metabolism with PR1 expression. *European Journal of Plant Pathology*, 162(4), 869-884. DOI:10.1007/s10658-021-02443-0. (IF: 2.2).
14. Akram, W., **Yasin, N. A***, Shah, A. A., Khan, W. U., Li, G., Ahmad, A., ... & Ali, S. (2022). Exogenous application of liquiritin alleviated salt stress and improved growth of Chinese kale plants. *Scientia Horticulturae*, 294, 110762. <https://doi.org/10.1016/j.scienta.2021.110762>. (IF: 3.46).
15. Akbar, M., Khalil, T., **Yasin, N. A.**, Akram, W., Ahmad, A., & Iqbal, M. S. Ameliorative effects of *Calotropis procera* amended soil on Fusarium wilt disease, enhancement in growth

and nutritional qualities in pea (*Pisum sativum*). Scientific Papers. Series A. Agronomy, Vol. LXV, No. 2, 2022.

16. Akbar, M., Khalil, T., **Yasin, N. A.**, Akram, W., Ahmad, A., & Iqbal, M. (2022). Ameliorative effects of *Calotropis procera* amended soil on Fusarium wilt disease, enhancement in growth and nutritional qualities in pea (*Pisum sativum*). Scientific Papers. Series A. Agronomy, Vol. LXV, No. 2, 2022.
17. Faiz, S., Shah, A. A., Naveed, N. H., Nijabat, A., **Yasin, N. A***, Batool, A. I., ... & Ali, A. (2022). Synergistic application of silver nanoparticles and indole acetic acid alleviate cadmium induced stress and improve growth of *Daucus carota* L. *Chemosphere*, 290, 133200. <https://doi.org/10.1016/j.chemosphere.2021.133200>. (IF: 7.08).
18. Faiz, S., **Yasin, N. A***, Khan, W. U., Shah, A. A., Akram, W., Ahmad, A., ... & Riaz, L. (2022). Role of magnesium oxide nanoparticles in the mitigation of lead-induced stress in *Daucus carota*: modulation in polyamines and antioxidant enzymes. *International Journal of Phytoremediation*, 24(4), 364-372. <https://doi.org/10.1080/15226514.2021.1949263>. (IF: 3.65).
19. Javad, S., Shah, A. A., Ramzan, M., Sardar, R., Javed, T., Al-Huqail, A. A., Ali, H.M., Chaudhry, O., **Yasin, N. A.**, ... & Hussain, I. (2022). Hydrogen sulphide alleviates cadmium stress in *Trigonella foenum-graecum* by modulating antioxidant enzymes and polyamine content. *Plant Biology*, 24(4), 618-626. <https://doi.org/10.1111/plb.13393>. (IF: 3.08).
20. Koleva, L., Umar, A., **Yasin, N. A.**, Shah, A. A., Siddiqui, M. H., Alamri, S., ... & Shabbir, Z. (2022). Iron Oxide and Silicon Nanoparticles Modulate Mineral Nutrient Homeostasis and Metabolism in Cadmium-Stressed *Phaseolus vulgaris*. *Frontiers in Plant Science*, 13, 806781-806781. <https://doi.org/10.3389/fpls.2022.806781>. (IF: 6.627).
21. Sardar, R., Ahmed, S., & **Yasin, N. A***. (2022). Role of exogenously applied putrescine in amelioration of cadmium stress in *Coriandrum sativum* by modulating antioxidant system. *International Journal of Phytoremediation*, 24(9), 955-962. <https://doi.org/10.1080/15226514.2021.1985961>. (IF: 3.65).
22. Sardar, R., Ahmed, S., & **Yasin, N. A***. (2022). Titanium dioxide nanoparticles mitigate cadmium toxicity in *Coriandrum sativum* L. through modulating antioxidant system, stress markers and reducing cadmium uptake. *Environmental Pollution*, 292, 118373. <https://doi.org/10.1016/j.envpol.2021.118373>. (IF: 8.07).
23. Sardar, R., Ahmed, S., Akbar, M., **Yasin, N. A***, & Li, G. (2022). Alleviation of cadmium phytotoxicity in triacontanol treated *Coriandrum sativum* L. by modulation of physiochemical attributes, oxidative stress biomarkers and antioxidative system. *Chemosphere*, 295, 133924. <https://doi.org/10.1016/j.chemosphere.2022.133924>. (IF: 7.08).
24. Sardar, R., Ahmed, S., Shah, A. A., & **Yasin, N. A***. (2022). Selenium nanoparticles reduced cadmium uptake, regulated nutritional homeostasis and antioxidative system in *Coriandrum sativum* grown in cadmium toxic conditions. *Chemosphere*, 287, 132332. <https://doi.org/10.1016/j.chemosphere.2021.132332>. (IF: 7.08).
25. Shah, A. A., Ahmed, S., Malik, A., Naheed, K., Hussain, S., **Yasin, N. A.**, ... & Allakhverdiev, S. (2022). Potassium silicate and zinc oxide nanoparticles modulate antioxidant system, membranous H⁺-ATPase and nitric oxide content in faba bean (*Vicia faba*) seedlings exposed to arsenic toxicity. *Functional Plant Biology*. <https://doi.org/10.1071/fp21301>. (IF: 2.49).

26. Shah, A. A., Riaz, L., Siddiqui, M. H., Nazar, R., Ahmed, S., **Yasin, N. A.**, ... & Chaudhry, O. (2022). Spermine-mediated polyamine metabolism enhances arsenic-stress tolerance in *Phaseolus vulgaris* by expression of zinc-finger proteins related genes and modulation of mineral nutrient homeostasis and antioxidative system. <https://doi.org/10.1016/j.envpol.2022.118941>. *Environmental Pollution*, 118941. (IF: 9.988).
27. Shah, A. A., **Yasin, N. A.**, & Kumar, R. 2022. Iron oxide nanoparticles and selenium supplementation improve growth and photosynthesis by modulating antioxidant system and gene expression of *chlorophyll synthase (CHLG)* and *protochlorophyllide oxidoreductase (POR)* in arsenic-stressed *Cucumis melo*. <https://doi.org/10.1016/j.envpol.2022.119413>. *Environmental Pollution*, 118941. (IF: 9.988).
28. Shahzadi, I., Khan, Z. H., Akram, W., Khan, W. U., Ahmad, A., **Yasin, N. A.**, & Yujie, L. (2022). Heavy metal and organic pollutants removal from water using bilayered polydopamine composite of sandwiched graphene Nanosheets: One solution for two obstacles. *Separation and Purification Technology*, 280, 119711. <https://doi.org/10.1016/j.seppur.2021.119711>. (IF: 8.42).
29. Wang, R., Shahzadi, I., Umer, M., **Yasin, N. A.**, & Wu, T. (2022). Pathogenicity factors of *Phytophthora melonis* revealed by comparative proteomics. *Journal of Plant Interactions*, 17(1), 183-197. <https://doi.org/10.1080/17429145.2021.2014581>. (IF: 4.2).
30. Zulfiqar A, Fatima R, Ahmed S, Saleem A, Sardar R, Ahmad M. N, **Yasin N. A.** 2022. Mechanistic insights into the interaction of fluoride resistant bacteria with wheat roots towards enhancing plant productivity by alleviating fluoride stress. *Flouride*. <https://www.fluorideresearch.online/epub/files/184.pdf>. (IF: 1.22).

2021

31. Ahmad, A., Khan, W. U., Shah, A. A., **Yasin, N. A***, Ali, A., Rizwan, M., & Ali, S. (2021). Dopamine Alleviates Hydrocarbon Stress in *Brassica Oleracea* through Modulation of Physio-Biochemical Attributes and Antioxidant Defense Systems. *Chemosphere*, 128633. <https://doi.org/10.1016/j.chemosphere.2020.128633>. (IF: 8.943).
32. Ahmad, A., Khan, W. U., Shah, A. A., **Yasin, N. A***, Naz, S., Ali, A., & Tahir, A. (2021). Synergistic effects of nitric oxide and silicon on promoting plant growth, oxidative stress tolerance and reduction of arsenic uptake in *Brassica juncea*. *Chemosphere*, 128384. <https://doi.org/10.1016/j.chemosphere.2020.128384>. (IF: 8.943).
33. Ahmad, A., Shahzadi, I., Mubeen, S., **Yasin, N. A.**, Akram, W., Khan, W. U., & Wu, T. (2021). Karrikinolide alleviates BDE-28, heat and Cd stressors in *Brassica alboglabra* by correlating and modulating biochemical attributes, antioxidative machinery and osmoregulators. *Ecotoxicology and Environmental Safety*, 213, 112047. <https://doi.org/10.1016/j.ecoenv.2021.112047>. (IF: 7.129).
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- ✚ Yasin, Nasim Ahmad, et al. "Cross Talk Between Brassinosteroids and Cytokinins in Relation to Plant Growth and Developments." *Brassinosteroids Signalling*. Springer, Singapore, 2022. 171-178.

TECHNICAL KNOW HOW

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- ✚ Development, improvement & maintenance of landscape projects.
- ✚ Planning and maintenance of annual and seasonal horticultural activities: planting, fertilizing, pruning, IPM, soil amending, mulching, winter preparation, etc.

- ✚ On-season and off-season crop production.
- ✚ Reclamation of soil pH and fertility.
- ✚ Periodic display and care of indoor plants.
- ✚ Green house management.
- ✚ Nursery management.
- ✚ Human resource management.
- ✚ Data analysis
- ✚ Graphic designing

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- ✚ Dr. Anis Ali Shah. University of Education, Lahore.
- ✚ Caroline Ledant. ScholaCampesina.
- ✚ Prof. Dr. Guihua Li. Guangdong Academy of Agricultural Sciences.
- ✚ Dr. Ghulam Hassan Abbasi. The Islamia University of Bahawalpur, Pakistan.
- ✚ Prof. Dr. Arifa Tahir. Lahore College for Women University, Pakistan.
- ✚ Dr. Muhammad Akbar. Department of Botany, University of Gujrat.
- ✚ Prof. Dr. Shakil Ahmed. Department of Botany, University of the Punjab.

AWARDS/ HONORS/ CONFERENCES

- ✚ Oral Presentation. 1st International Conference. Recent Approaches in Plant Sciences (RAPS-2022). University of Education, Lahore, Pakistan.
- ✚ Participated in 7th invention to innovation summit 2018 held at University of the Punjab during March 07 to 08, 2018.
- ✚ Achieved “Certificate of Outstanding Contribution in Reviewing” from Elsevier.
- ✚ Participated in Bio-Physicochemical Basis for Technopreneurship. April 2-3, 2013. Department of Microbiology and Molecular Genetics & Institute of Business Administration, University of the Punjab, Lahore, Pakistan.
- ✚ First position holder during M.Sc. (Hon) in University College of Agriculture, Rawalakot.
- ✚ First position holder for services in Faran Quiz Society, Islamia College Civil Lines, Lahore.
- ✚ Participated in International Horticulture Conference (Revolutionizing Horticulture for Secured Future). University of the Punjab, Lahore, Punjab, Pakistan. 26-28 February, 2020.
- ✚ Member Red Crescent Youth Punjab.
- ✚ Participated in “Prospects of Agricultural Research (Current & Future)” held at University of the Punjab on August 23, 2017
- ✚ Participated in 3rd Invention to Innovation Summit 2016 held at University of the Punjab during March 19 to 20, 2014.
- ✚ Participated in 5th Invention to Innovation Summit 2014 held at University of the Punjab during March 02 to 03, 2016.
- ✚ Participated in 6th Invention to Innovation Summit 2017 held at University of the Punjab during March 07 to 08, 2017.
- ✚ Participated in 8th Invention to Innovation Summit 2014 held at University of the Punjab during March 02 to 03, 2019.
- ✚ Participated in essay and poetry competitions.
- ✚ Participated in Indigenous on-Campus Training Program for Management Team held at University of the Punjab during August 10 to 12, 2015.
- ✚ Participated in The First International Conference on Emerging Trends in Earth and Environmental Sciences held at College of Earth and Environmental Sciences, University of the Punjab during March 09 to 10, 2017.

- ✚ Participated in the Seminar on Food Sovereignty held at Institute of agricultural Sciences, University of the Punjab during March 29, 2018.
- ✚ Participated in Two Days Training of Presiding Officers and Senior Assistant Presiding Officers-GE 2018.
- ✚ Participated in Workshop on Entrepreneurship, Use of Business Intelligence for Development held at University of the Punjab November 08, 2016.
- ✚ Quaid-I-Azam Scout in Pakistan Boy Scout Association.
- ✚ Rendered services in National Cadet Corps.