CURRICULUM VITAE

NASIM AHMAD YASIN

- **Chairman & Associate Professor,**

Horticulture Department, Faculty of Agricultural Sciences, *University of the Punjab, Lahore*, Pakistan.

- **Resident Officer-II** (Additional Charge),

University of the Punjab, Lahore, Pakistan.

Institutional ID: https://pu.edu.pk/faculty/detail/nasim-ahmad-yasin
https://pu.edu.pk/faculty/description/711/Dr-Nasim-Ahmad-Yasin.html
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Nationality: Pakistan

SCIENTIFIC ACCOUNTS:

Google Scholar ID: https://scholar.google.dk/citations?user=mlWh5h0AAAAJ&hl=en

Linkedin: https://www.linkedin.com/in/nasim-yasin-49071248/

Loop Profile: https://loop.frontiersin.org/people/396638/overview

ORCID: https://orcid.org/0000-0002-1897-0959

Publons/ WOS ID: https://publons.com/researcher/1445529/nasim-ahmad-yasin/

Researchgate ID: https://www.researchgate.net/profile/Nasim-Yasin

Sciprofile: https://sciprofiles.com/profile/508345

SCOPUS ID: https://www.scopus.com/authid/detail.uri?authorId=56541344700

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ResearchID: https://researchid.co/rid20524

SemanticScholar: https://www.semanticscholar.org/author/Nasim-Ahmad-Yasin/6243327

Wikidata: https://www.wikidata.org/wiki/Q57546623

QUALIFICATION

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).

TEACHING AND RESEARCH SUPERVISION

Working as **Chairman & Associate Professor**, Horticulture Department, Faculty of Agricultural Sciences, ***University of the Punjab, Lahore*,** Pakistan.

Worked as a **Visiting Lecturer** at the Institute of Mycology and Plant Pathology, ***University of the Punjab, Lahore*** from September 2005 to February 2008.

Worked as **Honorary Lecturer** in the ***University College of Agriculture,* The UNIVERSITY of Azad Jammu and Kashmir** during 1996-97.

SUPERVISION OF PhD. SCHOLARS: 06

OTHER SCHOLARS: 17

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. Samia Faiz (PhD: Completed)**:** 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.

5. Saber Hussain (PhD: Completed)**:** 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.

6. 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.

7. 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.

8. 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.

9. 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*.

10. 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*.

11.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*.

12. 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*.

13. 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.

14. 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

15. 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

16. 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.

17. 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

18. 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.

19. Maryam Kousar (BS: Completed 2022**):** Department of Botany, University of Education, Lahore.

Research Topic: Effect of Sodium Hydrosuphide on Physiochemical Characteristics of Bitter Gourd (*Momordica charantia* L.) Grown Under Lead Stress.

20. Muhammad Shahzaib (BS: Completed 2022**):** Department of Botany, University of Education, Lahore.

Research Topic: Effect of Boric Acid on Growth and Physiology of Egg Plant (*Solanum malongena* L.) Under Nickel Stress.

21. Muhammad Amir (BS: Completed 2022**):** Department of Botany, University of Education, Lahore.

Research Topic: Exploring the Effect of D- Mannitol on Growth of Pearl Millet (*Pennisetum glaucum* L.) Exposed to Chromium Stress.

22. Muhammad Asif (BS: Completed 2022**):** Department of Botany, University of Education, Lahore.

Research Topic: Effect of Potassium Nitrate on the Growth and Physiology of Maize (*Zea mays* L.) Exposed to Mercury Stress.

23: Hafiz Zulqarnain Raza (**BS:** Completed 2022**):** Department of Botany, University of Education, Lahore.

Research Topic: Effect of Calcium Oxide Nanoparticles on Growth and Physiological Properties of Okra (*Abelmoschus esculentus* L.) Exposed to Lead Stress.

PROFESSIONAL EXPERIENCE

- Working as **Chairman & Associate Professor, Horticulture Department** at the ***University of the Punjab, Lahore***.
- Working as **Resident Officer-II** (Additional Duty) at the ***University of the Punjab, Lahore***.
- Worked as **Senior Superintendent Garden** (BPS-18) at the ***University of the Punjab, Lahore*** for 12 years.
- Worked as **Superintendent Garden** at the ***University of the Punjab, Lahore*** for 9 years.
- Worked as **Nursery In-charge, *Floriculture Research Farm*** in the University of the Punjab for one year.
- Worked as **Assistant Manager, Horticulture** in ***SUPARCO*** for 6 months.
- Worked as **Estate Manager** in ***Chand Bagh School,*** Muridke from November 11, 2000, to October 31, 2002.
- Worked as **Manager Operations** in ***Horti Group,*** Lahore from January 9, 1998, to July 17, 2000.
- Worked as a part-time **Horticulturist** in different organizations.

EDITORIAL MEMBERSHIP

- Advances in Agriculture
- Air, Soil and Water Research
- American Journal of Agricultural and Biological Sciences
- Associate Editor in Agroecological Cropping Systems
- BMC Agriculture
- BMC Plant Biology-Springer Nature
- Disease Prevention and Public Health Journal
- Frontiers in Agronomy
- Frontiers in Environmental Chemistry
- Frontiers in Environmental Science
- Frontiers in Genetics
- Frontiers in Microbiology
- Frontiers in Plant Sciences
- Frontiers in Soil Science
- Genes
- Guest Associate Editor in Organic Pollutants

- Guest Associate Editor in Plant Abiotic Stress
- Guest Associate Editor in Plant Symbiotic Interactions
- IET Nanobiotechnology
- International Journal of Agronomy
- International Journal of Research Publications
- Journal of Agriculture and Aquaculture
- Journal of Agriculture and Livestock Farming
- Journal of Food Processing and Preservation
- Journal of Food Quality
- Journal of Modern Agriculture and Biotechnology
- Online Journal of Microbiological Research
- Open Journal of Agricultural Research
- PeerJ
- Plant Stress
- Review Editor in Crop and Product Physiology
- Review Editor in Genomics of Plants and the Phytoecosystem
- Review Editor in Plant-Soil Interactions
- Review Editor in Toxicology, Pollution and the Environment
- Scientific Reports-Nature
- SCIREA Journal of Agriculture
- SCIREA Journal of Environment
- Urban Agriculture & Regional Food Systems

JOURNAL'S REVIEWER :

Research Journals Reviewed > 171

Research Articles Reviewed > 600

Conferences Articles Reviewed: 03

Books Reviewed: 02

S. NO.	NAME OF RESEARCH JOURNAL/ PUBLISHER
1.	ACS Agricultural Science & Technology
2.	ACS ES&T Water

3.	ACS OMEGA
4.	Acta Physiologiae Plantarum
5.	Advanced Agrochem
6.	Adsorption Science & Technology
7.	Advances in Agriculture
8.	Advances in Materials Science and Engineering
9.	African Journal of Food Science
10.	Agricultural Sciences
11.	Agriculture
12.	AgriEngineering
13.	Agrosystems, Geosciences & Environment
14.	Agronomy
15.	Agronomy Journal
16.	All Life
17.	Applied Soil Ecology
18.	Arab Journal of Basic and Applied Sciences
19.	Annual Research & Review in Biology
20.	Applied Water Science
21.	Arabian Journal of Geosciences
22.	Archives of Phytopathology and Plant Protection
23.	Asian Journal of Agricultural and Horticultural Research
24.	Asian Journal of Advances in Agricultural Research
25.	Asian Journal of Research in Infectious Diseases
26.	Asian Journal of Research in Infectious Diseases
27.	Atmosphere
28.	Biocatalysis and Agricultural Biotechnology
29.	Biodiversitas, Journal of Biological Diversity
30.	Biologia Plantarum.
31.	BioMed Research International
32.	Bioremediation Journal
33.	Bioresource Technology
34.	Biosciences Biotechnology Research Asia
35.	BMC Plant Biology

36.	Botanica Serbica
37.	Canadian Journal of Plant Science
38.	Chemistry and Biodiversity
39.	Chemical Speciation & Bioavailability
40.	Chemosphere
41.	Cogent Food & Agriculture
42.	Cosmetics
43.	Crop & Pasture Science
44.	Current Microbiology
45.	Current Research in Food Science
46.	Ecotoxicology and Environmental Safety
47.	Egyptian Journal of Agronomy
48.	Environmental and Experimental Botany
49.	Environmental Microbiology Reports
50.	Environmental Pollutants and Bioavailability
51.	Environmental Pollution
52.	Environmental Processes
53.	Environmental Research
54.	Environmental Science and Pollution Research
55.	Environmental Science: Nano
56.	Environmental Science & Technology
57.	Environmental Science: Processes & Impacts
58.	Environmental Toxicology and Chemistry
59.	Environmental Toxicology and Pharmacology
60.	Environmental Technology Reviews
61.	F1000Research
62.	Food Science and Engineering
63.	Forests
64.	Frontiers of Agricultural Science and Engineering
65.	Frontiers in Agronomy
66.	Frontiers in Environmental Science
67.	Frontiers in Nutrition
68.	Frontiers in Plant Science

69.	Genes
70.	Gesunde Pflanzen
71.	Global Journal of Ecology
72.	Heliyon
73.	Horticulturae
74.	Horticultural Plant Journal
75.	Horticultural Plant Journal
76.	Horticulture Research
77.	Indian Journal of Pharmaceutical Education and Research
78.	Industrial Crops & Products
79.	IntechOpen
80.	International Conference on Agricultural and Biological Sciences
81.	International Conference on Water Resource and Environment
82.	International Journal of Agricultural Science and Food Technology
83.	International Journal of Agronomy
84.	International Journal of Biological Macromolecules
85.	International Journal of Agricultural Technology
86.	International Journal of Environment and Climate Change
87.	International Journal of Environmental Research and Public Health
88.	International Journal of Molecular Sciences
89.	International Journal of Nano Dimension
90.	International Journal of Phytoremediation
91.	International Journal of Plant & Soil Science
92.	International Journal of Radiation Biology
93.	International Journal of Research Publication
94.	IWEG2022-The fifth Workshop on Environment and Geoscience
95.	Journal of Advances in Microbiology
96.	Journal of Agricultural and Food Chemistry
97.	Journal of Agricultural Science
98.	Journal of Agriculture and Food Research.
99.	Journal of Agriculture and Rural Development in the Tropics and Subtropics
100.	Journal of Agronomy Research
101.	Journal of Applied Biological Sciences

102.	Journal of Applied Microbiology
103.	Journal of Applied Research on Medicinal and Aromatic Plants
104.	Journal of Arid Land
105.	Journal of Basic Microbiology
106.	Journal of Biomedical Materials Research: Part B - Applied Biomaterials
107.	Journal of Cleaner Production
108.	Journal of Environmental Management
109.	Journal of Experimental Agriculture International
110.	Journal of Food Science and Nutrition Therapy
111.	Journal of Hazardous Materials
112.	Journal of Horticulture and Plant Research
113.	Journal of Integrative Agriculture
114.	Journal of Nanobiotechnology
115.	Journal of Pineal Research
116.	Journal of Plant Interactions
117.	Journal of Plant Physiology
118.	Journal of Plant Protection Research
119.	Journal of Public Health and Epidemiology
120.	Journal of Public Health Research
121.	Journal of Soil Science and Plant Nutrition
122.	Letters in Applied Microbiology
123.	Metabolites
124.	Molecular Omics
125.	Nanomedicine
126.	Nanotoxicology
127.	Natural Product Research
128.	New Journal of Chemistry
129.	New Zealand Journal of Crop & Horticultural Science
130.	Next Nanotechnology
131.	OBM Genetics
132.	Open Life Sciences
133.	Pedosphere
134.	PeerJ – The Journal of Life and Environmental Sciences

135.	Physiological and Molecular Plant Pathology
136.	Physiology and Molecular Biology of Plants
137.	Physiologia Plantarum
138.	Phyton - International Journal of Experimental Botany
139.	Plant and Soil
140.	Plants Agro Research Conference
141.	Plant Disease
142.	Plant Physiology and Biochemistry
143.	Plants
144.	PLOS ONE
145.	Processes
146.	Qeios
147.	Resources
148.	Restoration Ecology
149.	Results in Physics
150.	Revista Brasileira de Engenharia Agricola E Ambiental
151.	Rhizosphere
152.	Rice Science
153.	Science of the Total Environment
154.	Soil Use and Management
155.	South African Journal of Botany
156.	Sustainability
157.	Sustainable Agriculture Research
158.	The Microbe
159.	The Nucleus
160.	Toxicological & Environmental Chemistry
161.	Trees
162.	Scientia Horticulturae
163.	Scientifica
164.	The Scientific World Journal
165.	Tree Physiology
166.	Trends in Food Science & Technology

167.	Turkish Journal of Agriculture and Forestry
168.	Turkish Journal of Botany
169.	Urban Forestry and Urban Greening
170.	Waste
171.	Water
172.	Water, Air, & Soil Pollution

RESEARCH PUBLICATIONS

- **Citations: 2997**
- **h-index: 33**
- **i10-index: 62**

  https://scholar.google.dk/citations?user=mlWh5h0AAAAJ&hl=en

RESEARCH INTERESTS:

Plant Sciences
Biotic and Abiotic Plant Diseases
Integrated Pest Management
Plant Stress Physiology
Phytoremediation
Plant-Microbe Interaction
Bio-fertilizers
Bio-pesticides

Manuscripts Published >111

Manuscripts as Principal Author (First Author/ Corresponding Author) > 46

Impact Factor of Published Articles > 400

2025

1. Sajid, M., Ahmed, S., Sardar, R., Safdar, N., **Yasin, N. A*.** 2025. Evaluation of antioxidant and morphophysiological alterations in polyethylene glycol primed *Raphanus sativus* L. under sodium fluoride stress. International Journal of Phytoremediation. (IF: 3.4).
2. Fatima, S., Khan, W. U., Sardar, R., Munir, B., Rehman, A., Akram, W., Munir, I., **Yasin, N. A*.** Synergistic application of *Bacillus subtilis* IAGS174 and thiamine to mitigate salinity and lead stress in *Helianthus annuus*. PeerJ. (IF: 3.8).
3. Sajid, M., Ahmed, S., Sardar, R., Ali, A., **Yasin, N. A*.** 2025. Insight into polyethylene glycol-mediated physiochemical, nutritional, and antioxidative defense modulations in salt-stressed *Raphanus sativus* L. Physiology and Molecular Biology of Plants. (IF: 3.4).

4. Khan, I., Rehman, A., Akram, W., Anjum, T., **Yasin, N. A.,** Aftab, Z. E. H., ... & Li, G. (2025). Unlocking Salinity Stress Resilience in Turnip (*Brassica rapa* subsp. rapa) Plants Using *Bacillus subtilis* Z-12 and *Bacillus aryabhattai* Z-48. *Microorganisms*, *13*(2), 359. (IF: 4.1).

5. Haroon, M., Khan, W. U., Munir, B., Ahmad, S. R., Rehman, A., Akram, W., ... & **Yasin, N. A*.** (2025). Seed priming with alpha-tocopherol alleviates microplastic stress in *Brassica rapa* through modulations in morphological, physiological and biochemical attributes. *Chemosphere*, *371*, 144060.

2024

6. Mudassar, S., Ahmed, S., Sardar, R., **Yasin, N.A.,** Jabbar, M., Lackner, M. (2024). Exogenously applied triacontanol mitigates cadmium toxicity in *Vigna radiata* L. by optimizing growth, nutritional orchestration and metal accumulation. https://doi.org/10.3390/toxics12120911. Toxics. (IF: 4.6).

7. Ahmed, S., Akram, A., Sardar, R., **Yasin, N.A.,** Fatima, M., Jabbar, M., Lackner, M. (2024). Protective Role of Triacontanol (Myricyl Alcohol) Towards the Nutrients Uptake and Growth in *Brassica rapa* L. Under Cadmium Stress. https://doi.org/10.3390/agronomy14122916. Agronomy. (IF: 3.7).

8. Ahmed, S., Qasim, M., Sardar, R., **Yasin, N. A*.,** Umar, I. (2024). Multidimensional Role of Selenium Nanoparticles to Promote Growth and Resilience Dynamics of *Phaseolus vulgaris* Against Sodium Fluoride Stress. *International Journal of Phytoremediation.* (IF: 3.65).

9. Ahmed, S., Fatima, M., Sardar, R., & **Yasin, N. A.** (2024). Application of Nano Selenium Alleviates Cd-induced Growth Inhibition and Enhances Biochemical Responses and the Yield of *Solanum melongena* L. *Journal of Soil Science and Plant Nutrition*, 1-22. (IF: 3.4).

10. Shah, A.A., **Yasin, N.A***., Altaf, M.A., Ahmad, A. 2024. Role of Microorganisms in Plant Growth, Stress Amelioration and Phytoremediation. *Plant Stress*, 100624.

11. Ahmed, S., Ashraf, S., **Yasin, N. A.,** Sardar, R., Al-Ashkar, I., Abdelhamid, M.T. & Ayman El Sabagh (2024): Exogenously applied nanozinc oxide mitigates cadmium stress in *Zea mays* L. through modulation of physiochemical activities and nutrients homeostasis, *International Journal of Phytoremediation*, DOI: 10.1080/15226514.2024.2383657. (IF: 3.4).

12. Sajid, M., Ahmed, S., Sardar, R., Ali, A., **Yasin, N. A*.** 2024. Role of polyethylene glycol to alleviate lead stress in *Raphanus sativus*. *PeerJ*. (IF: 3.06).

13. Ahmad, A., Akram, W., Sardar, R., & **Yasin, N. A***. (2024). Interactive effects of plant growth-promoting microbes and nanoparticles on the physiology, growth, and yield of crops. *Frontiers in Plant Science*, *15*, 1338470.

14. Hussain, S., Ahmed, S., Akram, W., Ahmad, A., **Yasin, N. A*.,** Fu, M., ... & Sardar, R. (2024). The potential of selenium to induce salt stress tolerance in *Brassica rapa*: Evaluation of biochemical, physiological and molecular phenomenon. *Plant Stress*, *11*, 100331. https://doi.org/10.1016/j.stress.2023.100331. (IF: 5).

15. Hussain, S., Ahmed, S., Akram, W., Sardar, R., Abbas, M., & **Yasin, N. A*.** (2024). Selenium-Priming mediated growth and yield improvement of turnip under saline conditions. *International Journal of Phytoremediation*, *26*(5), 710-726. https://doi.org/10.1080/15226514.2023.2261548. (IF: 3.65).

16. Raza, H. Z., Shah, A. A., Noreen, Z., Usman, S., Zafar, S., **Yasin, N. A.,** ... & Aslam, M. (2024). Calcium oxide nanoparticles mitigate lead stress in *Abelmoschus esculentus* through improving the key antioxidative enzymes, nutritional content and modulation of stress markers. *Plant Physiology and Biochemistry*, *206*, 108171. https://doi.org/10.1016/j.plaphy.2023.108171. (IF: 6.5).

2023

17. Ahmad, M., Ahmed, S., **Yasin, N. A.,** Wahid, A., & Sardar, R. (2023). Exogenous application of glutathione enhanced growth, nutritional orchestration and physiochemical characteristics of *Brassica oleracea* L. under lead stress. DOI:10.1007/s12298-023-01346-0. *Physiology and Molecular Biology of Plants*, 1-14. (IF: 3.03).

18. 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. https://link.springer.com/chapter/10.1007/978-3-031-14973-3_3.

19. 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. https://doi.org/10.1007/s00344-023-11027-7. (IF: 4.8).

20. Akbar, M., Chohan, S.A., **Yasin, N. A*.,** Ahmad, A., Akram, W., & Nazir, A. (2023). Mycorrhizal inoculation enhanced tillering in field grown wheat, nutritional enrichment and soil properties. *PeerJ*. http://doi.org/10.7717/peerj.15686. (IF: 3.06).

21. 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).

22. Hussain, S., Ahmed, S., Akram, W., Li, G., & **Yasin, N. A*.** (2023). Selenium seed priming enhanced the growth of salt-stressed *Brassica rapa* L. through improving plant nutrition and the antioxidant system. https://doi.org/10.3389/fpls.2022.1050359. *Frontiers in Plant Science*, *13*, 1050359. (IF: 5.6).

23. Hussain, S., Ahmed, S., **Yasin, N. A.,** Akram, W., Sardar, R., Ahmad, A., & Li, G. (2023). *In vitro* and *in silico* study of salt stress resilience in *Brassica rapa* through selenium seed priming. *South African Journal of Botany*, *160*, 504-515. https://doi.org/10.1016/j.sajb.2023.07.024. (IF: 3.11).

24. Jamal, A., **Yasin, N. A.,** Javad, S., Ahmed, S., Yasmin, A., Chaudhry, O., ... & Gatasheh, M. K. (2023). Investigating the efficacy of tartaric acid and zinc-mediated endogenous melatonin induction for mitigating arsenic stress in *Tagetes patula* L. *Scientia* Horticulturae, 322, 112399. https://doi.org/10.1016/j.scienta.2023.112399. (IF: 4.342).

25. Khan, M., Ahmed, S., **Yasin, N. A.,** Sardar, R., Hussaan, M., Gaafar, A. R. Z., & Haider, F. U. (2023). 28-Homobrassinolide Primed Seed Improved Lead Stress Tolerance in *Brassica rapa* L. through Modulation of Physio-Biochemical Attributes and Nutrient Uptake. *Plants*, *12*(20), 3528. doi: 10.3390/plants12203528. (IF: 4.5).

26. Khan, W. U., **Yasin, N. A*.**, Ahmad, S.R., Nazir, A., Naeem, K., Nadeem, Q. U. A., Khan, S. N., Ijaz, M., Tahir, A. (2023). *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).

27. Naveed, N. H., Nasir, N. A., Shah, A. A., Shahzad, T., **Yasin, N. A.,** Ali, Z., ... & Ali, A. (2023). Bacterial inoculation remediates heavy metals toxicity through modulating biochemicals and antioxidant enzymes of *Daucus carota* L. grown in lead contaminated soil. *South African Journal of Botany*, *163*, 358-366. https://doi.org/10.1016/j.sajb.2023.10.046. (IF: 3.1).

28. Umar, I., Ahmed, S., **Yasin, N. A.,** Wahid, A., Alamri, S., Hamid, Y., & Sardar, R. (2023). Role of exogenously applied triacontanol in amelioration of chromium stress in *Pisum sativum* by enhanced nutrition orchestration, growth and proline content. *South African Journal of Botany*, *162*, 96-107. https://doi.org/10.1016/j.sajb.2023.09.002. (IF: 3.1).

29. Yasin NA*., Khan TA., Ali A. Ahmed M. & Sardar, R. (2023). Editorial: Environmental extremes threatening food crops. *Frontiers in Plant Science*, 209. 14:1172539. doi: 10.3389/fpls.2023.1172539. (IF: 6.627).

30. Zulfiqar, A., Fatima, R., Ahmed, S., Saleem, A., Sardar, R., Ahmad, M. N., & **Yasin, N. A.** (2023). Mechanistic insights into the interaction of fluoride resistant bacteria with wheat roots toward enhancing plant productivity by alleviating fluoride stress. *Fluoride*, *56*(3). (IF: 0.72).

2022

31. 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).

32. 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).

33. 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).

34. Ahmed, I., Li, Z., Shahzad, S., Naveed, S., Khan, A. K., Ahmed, A., ... & Munir, S. (2022). Potential Probiotics Role in Excluding Antibiotic Resistance. https://doi.org/10.1155/2022/5590004. *Journal of Food Quality*, *2022*. (IF: 3.2).

35. 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*). chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://agronomyjournal.usamv.ro/pdf/2022/issue_2/Art21.pd. *Scientific Papers. Series A. Agronomy*, *65*(2).

36. 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).

37. 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. http://dx.doi.org/10.30848/PJB2023-5(43). *Pak. J. Bot*, *55*(5), 1931-1940. (IF: 1.1).

38. 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).

39. 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).

40. 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).

41. 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).

42. Mubeen, S., Shahzadi, I., Akram, W., Saeed, W., **Yasin, N. A.,** Ahmad, A., ... & Alamri, S. (2022). Calcium nanoparticles impregnated with benzenedicarboxylic 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*, *13*, 825829. (IF: 5.6).

43. Nijabat, A., Naveed, N. H., Faiz, S., **Yasin, N. A.,** & Ali, A. (2022). Combinatorial Effects of Thidiazuron and Gibberellic Acid on iv vitro Propagation of an Endangered Tree: Cane Palm

(*Dypsis lutescens*). https://doi.org/10.20021/sjr.v2i2.61. *Southern Journal of Research*, *2*(2), 90–101.

44. 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).

45. 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).

46. 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).

47. 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).

48. 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).

49. 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).

50. 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).

51. 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).

52. 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

53. 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).

54. 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).

55. 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).

56. Ahmad, A., **Yasin, N. A*.,** Khan, W. U., Akram, W., Wang, R., Shah, A. A., ... & Wu, T. (2021). Silicon assisted ameliorative effects of iron nanoparticles against cadmium stress: Attaining new equilibrium among physiochemical parameters, antioxidative machinery, and osmoregulators of *Phaseolus lunatus*. https://doi.org/10.1016/j.plaphy.2021.06.016. *Plant Physiology and Biochemistry*, *166*, 874-886. (IF: 5.437).

57. Akram, K., Ahmad, A., **Yasin, N. A.,** Anjum, T., Ali, B., Fatima, S., Ahmed, S., Simirgiotis, J.M., & Li, G.(2021) Mechanical strengthening and metabolic re-modulations are involved in protection against *Fusarium* wilt of tomato by *B. subtilis* IAGS174, *Journal of Plant Interactions*,16:1,411-421, DOI: 10.1080/17429145.2021.1966107. (IF: 4.2).

58. Akram, W., Khan, W. U., Shah, A. A., **Yasin, N. A*.** & Li, G. Liquiritoside alleviated Pb induced stress in *Brassica rapa* subsp. Parachinensis: Modulations in glucosinolate content and some physiochemical attributes. https://doi.org/10.3389/fpls.2021.722498. *Frontiers in Plant Science*, 1799. (IF: 6.627).

59. Akram, W., **Yasin, N. A.,** Shah, A. A., Khan, W. U., Li, G., Ahmad, A., ... & Ali, S. (2021). Exogenous application of liquiritin alleviated salt stress and improved growth of Chinese kale plants. *Scientia Horticulturae*, 110762. https://doi.org/10.1016/j.scienta.2021.110762. (IF: 4.342).

60. Faiz, S., Shah, A. A., Naveed, N. H., Nijabat, A., **Yasin, N. A.,** Batool, A. I., ... & Ali, A. (2021). Synergistic application of silver nanoparticles and indole acetic acid alleviate cadmium induced stress and improve growth of *Daucus carota* L. https://doi.org/10.1016/j.chemosphere.2021.133200. *Chemosphere*, 133200. (IF: 8.943).

61. Faiz, S., **Yasin, N. A*.,** Khan, W. U., Shah, A. A., Akram, W., Ahmad, A., ... & Riaz, L. (2021). Role of magnesium oxide nanoparticles in the mitigation of lead-induced stress in *Daucus carota*: modulation in polyamines and antioxidant enzymes. https://doi.org/10.1080/15226514.2021.1949263. *International Journal of Phytoremediation*, 1-9. (IF: 4.0).

62. Hu, X., Chen , J.,..... **Yasin, N.A**..... 2021. Metabolomic and pharmacologic insights of aerial and underground parts of *Glycyrrhiza uralensis* Fisch. for maximum utilization of medicinal resources. https://doi.org/10.3389/fphar.2021.658670. *Frontiers in Pharmacology*. *12*, 1306. (IF: 6.627).

63. Hussain, R., Shah, A. I., Nijabat, A., Naveed, N. H., Afreen, N., **Yasin, N. A.**, ...& Ali, A. (2021). Screening of phytochemical and antibacterial activity of *Ginkgo biloba* l. extract against different pathogenic bacterial strains. *Fresenius Environmental Bulletin*, *30*(4 A), 4205-4209. (IF: 0.553).

64. Jaleel, W., Li, Q., Shi, Q., Qi, G., Latif, M., Ali, S., ...& He, **Yasin, N.A**….2021. Using GCMS to find out the volatile components in the aroma of three different commercial fruits in China. *JAPS: Journal of Animal & Plant Sciences*, *31*(1). https://doi.org/10.36899/JAPS.2021.1.0204. (IF: 0.57).

65. Li, G., Shah, A. A., Khan, W. U., **Yasin, N. A*.,** Ahmad, A., Abbas, M., ... & Safdar, N. (2021). Hydrogen sulfide mitigates cadmium induced toxicity in *Brassica rapa* by modulating physiochemical attributes, osmolyte metabolism and antioxidative machinery. *Chemosphere*, 2 (63). 127999. https://doi.org/10.1016/j.chemosphere.2020.127999. (IF: 8.943).

66. Ramazan, M., Sana, S., Javed, N., ….**Yasin, N.A**. … (2021). Mitigation of Bacterial Spot Disease Induced Biotic Stress in *Capsicum annuum* L. cultivars via Antioxidant Enzymes and Isoforms. https://doi.org/10.1038/s41598-021-88797-1. Scientific Reports. *11*(1), 1-10. (IF: 4.996).

67. S. Javad, A. A. Shah, M. Ramzan, R. Sardar, T. Javed, A. A. Al-Huqail, H. M. Ali, O. Chaudhry, **N. A. Yasin**, S. Ahmed, R. A. Hussain, I. Hussain. (2021). Hydrogen sulphide alleviates cadmium stress in *Trigonella foenum-graecum* by modulating antioxidant enzymes and polyamine content. *Plant Biology*. https://doi.org/10.1111/plb.13393. (IF: 3.877).

68. Sardar, R., Ahmed, S. &**Yasin, N. A*.** (2021). Role of exogenously applied putrescine in amelioration of cadmium stress in *Coriandrum sativum* by modulating antioxidant system. https://doi.org/10.1080/15226514.2021.1985961. *International Journal of Phytoremediation*. (IF: 4.0).

69. Sardar, R., Ahmed, S., &**Yasin, N. A*.** (2021). Seed priming with karrikinolide improves growth and physiochemical features of *Coriandrum sativum* under cadmium stress. https://doi.org/10.1016/j.envadv.2021.100082. *Environmental Advances*, *5*, 100082.

70. Sardar, R., Ahmed, S., &**Yasin, N. A*.** (2021). Titanium dioxide nanoparticles mitigate cadmium toxicity in *Coriandrum sativum* L. through modulating antioxidant system, stress markers and reducing cadmium uptake. DOI: 10.1016/j.envpol.2021.118373. *Environmental Pollution*. (IF: 9.988).

71. Sardar, R., Ahmed, S., Shah, A. A. &**Yasin, N. A*.** (2021). Selenium nanoparticles reduced cadmium uptake, regulated nutritional homeostasis and antioxidative system in *Coriandrum sativum* grown in cadmium toxic conditions. DOI: 10.1016/j.chemosphere.2021.132332.*Chemosphere.* (IF: 8.943).

72. Shah, A. A., Aslam, S., Akbar, M., Ahmad, A., Khan, W. U., **Yasin, N. A*.,** ...& Ali, S. (2021). Combined effect of *Bacillus fortis* IAGS 223 and zinc oxide nanoparticles to alleviate

cadmium phytotoxicity in *Cucumis melo*. *Plant Physiology and Biochemistry*. https://doi.org/10.1016/j.plaphy.2020.11.011. (IF: 5.437).

73. Shah, A. A., **Yasin, N. A*.,** Akram, K., Ahmad, A., Khan, W. U., Akram, W., & Akbar, M. (2021). Ameliorative role of *Bacillus subtilis* FBL-10 and silicon against lead induced stress in *Solanum melongena*. *Plant Physiology and Biochemistry*, *158*, 486-496. https://doi.org/10.1016/j.plaphy.2020.11.037. (IF: 5.437).

74. Shah, A. A., **Yasin, N. A.,** Mudassir, M., Ramzan, M., Hussain, I., Siddiqui, M. H., ... & 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. *Environmental Pollution*, 119413. https://doi.org/10.1016/j.envpol.2022.119413 (IF: 9.988).

75. Shah, A., Ahmed, S., Malik, A., Naheed, K., Hussain, S., **Yasin, N. A.,** ... & Ali, A. Potassium silicate and zinc oxide nanoparticles modulate antioxidant system, membranous H+-ATPase and nitric oxide content in faba bean (*Vicia faba* L.) seedlings under arsenic toxicity. https://doi.org/10.1071/FP21301. *Functional Plant Biology*. (IF: 2.81).

76. Shah, A.A., Azna,**Yasin, N.A***.,Ahmed, S., Abbas, M.,Abbasi, G.H. (2021). 4-Hydroxymelatonin alleviates nickel stress, improves physiochemical traits of SOLANUM MELONGENA: Regulation of polyamine metabolism and antioxidative enzyme. *Scientia Horticultarae*. https://doi.org/10.1016/j.scienta.2021.110036. (IF: 4.34).

77. Shahzadi, I., …..**Yasin, N.A***., …(2021). Heavy metal and organic pollutants removal from water using FEBT-PDM21 MOF composite of sandwiched cellulose graphenenanosheets: one solution for two obstacles. *Separation and Purification Technology*. https://doi.org/10.1016/j.seppur.2021.119711 (IF: 9.13)

78. Tariq, M., Shah, A. A., **Yasin, N. A*.,** Ahmad, A., &Rizwan, M. (2021). Enhanced performance of *Bacillus megaterium* OSR-3 in combination with putrescine ammeliorated hydrocarbon stress in *Nicotiana tabacum*. *International Journal of Phytoremediation*, 1-11. https://doi.org/10.1080/15226514.2020.1801572. (IF: 4.0).

2020

79. Ahmad, A., Akram, W., Shahzadi, I., Wang, R., Hu, D., Li, G., **Yasin, N. A.**,.....& Wu, T. (2020). First Report of *Fusarium nelsonii* Causing Early-Stage Fruit Blight of Cucumber in Guangzhou, China. *Plant Disease*, *104*(5), 1542. https://doi.org/10.1094/PDIS-11-19-2511-PDN. (IF: 4.43).

80. Akram, W., Ahmad, A., Juxian, G., **Yasin, N. A.**, Akbar, M., Luo, W., ...& Li, G. (2020). Occurrence of head rot disease caused by *Fusarium verticillioides* on Chinese flowering cabbage (*Brassica rapa* L subsp. parachinensis) in China. *Crop Protection*, 105180. https://doi.org/10.1016/j.cropro.2020.105180. (IF: 2.57)

81. Ali Shah, A., Ahmed, S., &**Yasin, N. A. *** (2020). Cadmium stress consolation in melatonin supplemented *Cucumis sativus* through modulation of antioxidative defense system. *Iranian Journal of Plant Physiology*, *10*(2), 3135-3154. (IF: 0.69).

82. Mushtaq, T., Shah, A. A., Akram, W., &**Yasin, N. A***. (2020). Synergistic ameliorative effect of iron oxide nanoparticles and *Bacillus subtilis* S4 against arsenic toxicity in *Cucurbita moschata*: polyamines, antioxidants, and physiochemical studies. *International journal of phytoremediation*, 1-12. https://doi.org/10.1080/15226514.2020.1781052.(IF: 3.2)

83. Nemat, H., Shah, A. A., Akram, W., Ramzan, M., &**Yasin, N. A*.** (2020). Ameliorative effect of co-application of *Bradyrhizobium japonicum* EI09 and Se to mitigate chromium stress in *Capsicum annum* L. *International Journal of Phytoremediation*, 1-12. https://doi.org/10.1080/15226514.2020.1780412. (IF: 3.2).

84. Shah, A. A., Ahmed, S., Abbas, M., &**Yasin, N. A*.** (2020). Seed priming with 3-epibrassinolide alleviates cadmium stress in *Cucumis sativus* through modulation of antioxidative system and gene expression. *Scientia Horticulturae*, *265*, 109203. https://doi.org/10.1016/j.scienta.2020.109203.(IF: 3.46).

85. Shah, A. A., Ahmed, S., Ali, A., &**Yasin, N. A*.** (2020). 2-Hydroxymelatonin mitigates cadmium stress in *Cucumis sativus* seedlings: Modulation of antioxidant enzymes and polyamines. *Chemosphere*, *243*, 125308. https://doi.org/10.1016/j.chemosphere.2019.125308. (IF: 7.08).

86. Shah, A. A., Bibi, F., Hussain, I., **Yasin, N. A*.,** Akram, W., Tahir, M. S., ... &Datta, R. (2020). Synergistic effect of *Bacillus thuringiensis* IAGS 199 and putrescine on alleviating cadmium-induced phytotoxicity in *capsicum annum*. *Plants*, *9*(11), 1512. http://dx.doi.org/10.3390/plants9111512. (IF: 3.9).

87. Shah, A. A., Khan, W. U., **Yasin, N. A***., Akram, W., Ahmad, A., Abbas, M., ... &Safdar, M. N. (2020). Butanolide alleviated cadmium stress by Improving plant growth, photosynthetic parameters and antioxidant defense system of *Brassica oleracea*. *Chemosphere*, 127728. https://doi.org/10.1016/j.chemosphere.2020.127728. (IF: 7.08).

88. Shah, A., Ahmed, S., &**Yasin, N.A*.** 2020**.** 2-hydroxymelatonin induced nutritional orchestration in *Cucumis sativus* under cadmium toxicity: modulation of non-enzymatic antioxidants and gene expression. *International journal of phytoremediation*, 1-11. https://doi.org/10.1080/15226514.2019.1683715. (IF: 3.2).

2019

89. Ahmad, A., Akram, W.,...**Yasin, N. A.**, & Shafique, S. (2019). Benzenedicarboxylic acid upregulates O48814 and Q9FJQ8 for improved nutritional contents of tomato and low risk of fungal attack. *Journal of the Science of Food and Agriculture*, *99*(14), 6139-6154. doi 10.1002/jsfa.9836. (IF: 2.42).

90. Akram, W., Ahmad, A., Luo, W., **Yasin, N. A.,** Wu, T., Guo, J., ...& Li, G. (2019). First Report of Stem and Root Rot of Chinese Kale Caused by *Fusarium incarnatum-equiseti* Species Complex in China. *Plant Disease*, *103*(7), 1781. https://doi.org/10.1094/PDIS-02-19-0261-PDN. ISSN No. / ISBN No. 0191-2917. (IF: 2.9)

91. Akram, W., Ahmad, A., **Yasin, N. A.,** Khan, W.U., Juxian, G., Wenlong, L., Dasen, X., and Li, G. 2019. First Report of Stem Rot of Taro Caused by *Pythium ultimum* in China. *Plant Disease, 104*(3), https://doi.org/10.1094/PDIS-09-19-1950-PDN. (IF: 3.5).

92. Akram, W., Aslam, H., Ahmad, S. R., Anjum, T., **Yasin, N. A.,** Khan, W. U., ...& Li, G. (2019). *Bacillus megaterium* strain A12 ameliorates salinity stress in tomato plants through multiple mechanisms. *Journal of Plant Interactions*, *14*(1), 506-518. https://doi.org/10.1080/17429145.2019.1662497. (IF: 2.2).

93. Akram, W., Saeed, T., Ahmad, A., **Yasin, N. A.,** Akbar, M., Khan, W. U., ...& Li, G. (2019). Liquiritin elicitation can increase the content of medicinally important glucosinolates and phenolic compounds in Chinese kale plants. *Journal of the Science of Food and Agriculture*, *100*(4), 1616-1624. doi:10.1002/jsfa.10170. (IF: 2.61).

94. Ali, A., Shah, A.I., Hussain, R., Naveed, N.H., Jamil, M**., Yasin, N. A.,** & Simon, W.P. (2019). Phylogenetic relationship and screening of diverse germplasm of carrot (*Daucus carota*) for drought resistance. *Feb-Fresenius Environmental Bulletin*. ISSN No. / ISBN No. 1018-4619. 28: 11A/2019. 8474-8479. (IF: 0.69).

95. Jamil, M., Ali, A., Gul, A., Ghafoor, A., Napar, A. Amir, A., Ibrahim, M. H., Naveed, H. N.,**Yasin, N. A**., &Mujeeb-Kazi, A. (2019). Genome-wide association studies of seven agronomic traits under two sowing conditions in bread wheat. *BMC Plant Biology*, *19*(1), 149. ISSN No. / ISBN No.1471-2229. https://doi.org/10.1186/s12870-019-1754-6. (IF: 3.6).

96. Shah, A., Ahmed, S., Ali, A. &**Yasin, N.A*.** 2019. 24-epibrassinolide triggers cadmium stress mitigation in *Cucumis sativus* through intonation of antioxidant system. *South African Journal of Botany*, *127*, 349-360. https://doi.org/10.1016/j.sajb.2019.11.003. (IF: 2.23).

97. Shah, I. A., Hussain, R., Nijabat, A., Afreen, N., Shehzad, T., …..**Yasin, N. A.,** Bano, A., Simon, W.P. 2019. Evaluation of carrot (*Daucus carota* L) germplasm under drought stress. *Fresenius Environmental Bulletin*. ISSN No. / ISBN No. 1018-4619. 28 (12): 9011-9016 (IF: 0.69).

98. Yasin, N. A*., Khan, W. U., Ahmad, S. R., Ahmad, A., Akram, W., &Ijaz, M. 2019. Role of *Acinetobacter* sp. CS9 in Improving Growth and Phytoremediation Potential of *Catharanthus longifolius* under Cadmium Stress. *Polish Journal of Environmental Studies*. 28(1):435–443. DOI: https://doi.org/10.15244/pjoes/80806. (IF: 1.12).

99. Yasin, N. A*., Khan, W. U., Ahmad, S. R., Ali, A., Ahmad, A., &Akram, W. 2019. Effect of *Enterobacter* sp. CS2 and EDTA on the Phytoremediation of Ni-contaminated Soil by *Impatiens balsamina*. *Polish Journal of Environmental Studies*. 28(1):425–433. ISSN No. / ISBN No. doi: https://doi.org/10.15244/pjoes/76179. (IF: 1.12).

2018

100. Ahmad, A., **Yasin, N. A**., Ibrahim, A., Shahzadi, I., Gohar, M., Bashir, Z., ...&Akram, W. (2018). Modeling of cotton leaf curl viral infection in Pakistan and its correlation with meteorological factors up to 2015. *Climate and Development*, *10*(6), 520-525. ISSN No. / ISBN No. https://doi.org/10.1080/17565529.2017.1318738. (IF: 2.4).

101. Jafari, M., Akram, W., Pang, Y., Ahmad, A., Ahmed, S., **Yasin, N. A**., ...& Dong, S. (2018). Genetic diversity and biogeography of *T. officinale* inferred from multi locus sequence typing approach. *PLOS ONE*, *13*(9), e0203275. ISSN No. / ISBN No.https://doi.org/10.1371/journal.pone.0203275. (IF: 2.76).

102. Khan, W. U., **Yasin, N. A**., Ahmad, S. R., Ali, A., Ahmad, A., Akram, W., & Faisal, M. (2018). Role of *Burkholderia cepacia* CS8 in Cd-stress alleviation and phytoremediation by *Catharanthus roseus*. *International journal of phytoremediation*, *20*(6), 581-592. https://doi.org/10.1080/15226514.2017.1405378. (IF: 2.23).

103. **Yasin, N. A***., Akram, W., Khan, W. U., Ahmad, S. R., Ahmad, A., & Ali, A. (2018). Halotolerant plant-growth promoting rhizobacteria modulate gene expression and osmolyte production to improve salinity tolerance and growth in *Capsicum annum* L. *Environmental Science and Pollution Research*, 1-15. https://doi.org/10.1007/s11356-018-2381-8. (IF: 2.8).

104. **Yasin, N. A*.,** Khan, W. U., Ahmad, S. R., Aamir, A., Shakil, A., &Aqeel, A. (2018). Effect of *Bacillus fortis* 162 on growth, oxidative stress tolerance and phytoremediation potential of *Catharanthus roseus* under chromium stress. *International Journal of Agriculture and Biology*, *20*(7), 1513-1522.DOI: 10.17957/IJAB/15.0655. (IF: 0.893).

105. **Yasin, N. A***., Khan, W. U., Ahmad, S. R., Ali, A., Ahmad, A., &Akram, W. (2018). Imperative roles of halotolerant plant growth-promoting rhizobacteria and kinetin in improving salt tolerance and growth of black gram (*Phaseolus mungo*). *Environmental Science and Pollution Research*, *25*(5), 4491-4505.ISSN No. / ISBN No.1614-7499. https://doi.org/10.1007/s11356-017-0761-0. (IF: 2.8).

106. **Yasin, N. A***., Zaheer, M. M., Khan, W. U., Ahmad, S. R., Ahmad, A., Ali, A., &Akram, W. (2018). The beneficial role of potassium in Cd-induced stress alleviation and growth improvement in *Gladiolus grandiflora* L. *International journal of phytoremediation*, *20*(3), 274-283. https://doi.org/10.1080/15226514.2017.1374337. ISSN No. / ISBN No. (IF: 2.23).

107. Zaheer, M. M., **Yasin, N. A**., Ahmad, S. R., Khan, W. U., Ahmad, A., Ali, A., &Rehman, S. U. (2018). Amelioration of cadmium stress in gladiolus (*Gladiolus grandiflora* L.) by application of potassium and silicon. *Journal of Plant Nutrition*, *41*(4), 461-476. https://doi.org/10.1080/01904167.2017.1385808. ISSN No. / ISBN No. (IF: 0.565).

2017

108. Jamil, M., Ali, A., Ghafoor, A., Akbar, K. F., Napar, A. A., Naveed, N. H., **Yasin, N. A.,** ...&Mujeeb-Kazi, A. (2017). Digital image analysis of seed shape influenced by heat stress in diverse bread wheat germplasm. *Pak. J. Bot*, *49*(4), 1279-1284. ISSN No. / ISBN No. https://www.pakbs.org/pjbot/papers/1502346999.pdf. (IF: 0.75).

109. Jamil, M., Ali, A., Ghafoor, A., Gul, A., Akbar, K. F., Bashir, H., ...&**Yasin, N. A**. (2017). Yield reduction analysis of bread wheat under heat stress at two different environments in Pakistan. *Feb-Fresenius Environmental Bulletin*, 4602. ISSN No. / ISBN No. ISSN. 1018-4619. 26 (7). (IF: 0.67).

110. Khan, W. U., Ahmad, S. R., **Yasin, N. A***., Ali, A., Ahmad, A., & Akram, W. (2017). Application of *Bacillus megaterium* MCR-8 improved phytoextraction and stress alleviation of nickel in *Vinca rosea*. *International journal of phytoremediation*, *19*(9), 813-824. https://doi.org/10.1080/15226514.2017.1290580. (IF: 1.88).

111. Khan, W. U., Ahmad, S. R., **Yasin, N. A**., Ali, A., & Ahmad, A. (2017). Effect of *Pseudomonas fluorescens* RB4 and *Bacillus subtilis* 189 on the phytoremediation potential of

Catharanthus roseus (L.) in Cu and Pb-contaminated soils. *International journal of phytoremediation*, *19*(6), 514-521. https://doi.org/10.1080/15226514.2016.1254154.(IF: 1.88).

112. Khan, W. U., **Yasin, N. A***., Ahmad, S. R., Ali, A., Ahmed, S., & Ahmad, A. (2017). Role of Ni-tolerant *Bacillus* spp. and *Althea rosea* L. in the phytoremediation of Ni-contaminated soils. *International journal of phytoremediation*, *19*(5), 470-477. https://doi.org/10.1080/15226514.2016.1244167. (IF: 1.88).

2016

113. Bashir, Z., Shafique, S., Ahmad, A., Shafique, S., **Yasin, N. A**., Ashraf, Y., ...& Noreen, S. (2016). Tomato plant proteins actively responding to fungal applications and their role in cell physiology. *Frontiers in physiology*, *7*, 257. https://doi.org/10.3389/fphys.2016.00257. (IF: 4.395).

114. **Yasin, N. A***. & Ahmed, S. (2016). Induction of defence-related biochemicals by rhizosphere bacteria against black spot disease of rose. https://doi.org/10.1080/01448765.2015.1017737. *Biological agriculture & horticulture*, *32*(1), 34-46. (IF: 0.787).

115. Yousaf, A., Ashraf, Y., **Yasin, N. A.,** Ibrahim, A., Ahmad, A., Khan, W. U., ...& Noreen, Z. (2016). Analysis of Microbial Biochemical Inducting Nutritional Contents in Barley. *J MicrobBiochemTechnol*, *8*, 395-403.DOI: 10.4172/1948-5948.1000315. ISSN No. / ISBN No. 1948-5948.

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PUBLISHED BOOKS AND BOOK CHAPTERS

- Dilawar, A., Shahzadi, I., **Yasin, N. A.,** Adil, F., Sahar, S., Khan, M. T. A., ... & Ahmad, A. The Interactive Prospects of H_2O_2 with Climate Extremes and Concomitant Microbial Colonization. In *Hydrogen Peroxide* (pp. 259-278). CRC Press.
- Rehman, A., Akram, W., Anjum, T., & **Yasin, N. A.** Elements that Control Plant Growth and Development include Light and Hydrogen Peroxide. *Hydrogen Peroxide*, 127-138.
- Sardar, R., Akram, W., & **Yasin, N. A.** (2025). Mitigating strategies using nanotechnologies in the soil system. In *Nano-bioinoculants* (pp. 337-356). Academic Press. https://doi.org/10.1016/B978-0-443-22285-6.00015-X
- Ahmed, Mukhtar, et al. "Climate Change and Process-Based Soil Modeling." *Global Agricultural Production: Resilience to Climate Change*. Springer, Cham, 2022. 73-106.
- Shahzadi, I., Ahmad, A., Noreen, Z., Akram, W., **Yasin, N. A.,** & Khan, W. U. (2022). Brassinosteroid and Ethylene-Mediated Cross Talk in Plant Growth and Development. In *Brassinosteroids Signalling* (pp. 117-136). Springer, Singapore.

- **Yasin, N. A***, et al. "Cross Talk Between Brassinosteroids and Cytokinins in Relation to Plant Growth and Developments." *Brassinosteroids Signalling*. Springer, Singapore, 2022. 171-178.
- **Yasin, N. A*.,** Khan, T. A., Ali, A., Ahmed, M., eds. (2023). Environmental extremes threatening food crops. Lausanne: Frontiers Media SA. doi: 10.3389/978-2-8325-2291-2
- Akram, W., Ahmad, A., **Yasin, N. A*.,** eds. (2024). Interactive effects of plant growth-promoting microbes and nanoparticles on the physiology, growth, and yield of crops. Lausanne: Frontiers Media SA. doi: 10.3389/978-2-8325-4624-6
- Sardar, R., Akram, W., & Yasin, N. A. (2025). Mitigating strategies using nanotechnologies in the soil system. In *Nano-bioinoculants* (pp. 337-356). Academic Press.
- Ahmad, A., Akram, W., **Yasin, N. A.** 2021. Induced defenses by non-pathogenic fungi against fungal plant diseases. Scholar's Press. Republic of Moldova, Chisinau-2068, str. A. Russo 15, of.61.ISBN 9786138950752.

TECHNICAL KNOW HOW

- Sustainable crop production.
- 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

MEMBER OF AGRICULTURAL SOCIETIES/ GROUPS

- AGRI CIRCLE
- BOTANICAL GARDEN LAHORE
- CROP SCIENCE SOCIETY OF AMERICA
- ENTOMOLOGICAL SOCIETY OF AMERICA
- FLORAHORT

- BARANIANS
- FLORICULTURE SOCIETY GILGIT BALTISTAN
- FLORICULTURIST
- FLORONA PLANTS
- GARDENING CHIT CHAT
- GARDENING GROUP FOR EVERYONE
- ILLUSTRIOUS BOTANICAL ILLUSTRATIONS
- INDUSTRIAL ENGINEERING AND OPERATION MANAGEMENT SOCIETY
- WORLD ACADEMY OF SCIENCE, ENGINEERING AND TECHNOLOGY
- INTERNATIONAL SOCIETY FOR AGROMETROLOGY
- INTERNATIONAL SOCIETY FOR DEVELOPMENT AND SUSTAINABILITY
- INTERNATIONAL SOCIETY FOR ENVIRONMENTAL INFORMATION SCIENCES
- KASHMIR HORTICULTURE
- MICROBIOLOGY SOCIETY
- NDSA
- PAKISTAN AGRARIAN COUNCIL
- PAKISTAN AGRICULTURE DISCUSSION
- PAKISTAN AGRICULTURE FORUM
- POONCH AGRICULTURE RAWALAKOT
- PRISTINE BOTANICAL GARDENS
- MICROBIOLOGY SOCIETY UK
- E-AGRICULTURE (FAO)
- PAKISSAN.COM
- ASIAN COUNCIL OF SCIENCE EDITORS
- AMERICAN CHEMICAL SOCIETY
- COMMITTEE FOR THE DEVELOPMENT OF PHYSICAL ENVIRONMENT OF CAMPUSES
- COMMITTEE FOR DEVELOPMENT OF QUALITY SEEDS OF RICE, WHEAT AND COTTON
- APPLIED MICROBIOLOGY INTERNATIONAL
- CLIMATE FORWARD PAKISTAN
- ESTABLISHMENT OF INFORMATION TECHNOLOGY TOWER

AWARDS/ HONORS/ CONFERENCES

- 2021-2022: Post-Doctorate: Vegetable Research Institute, Guangdong Academy of Agricultural Sciences, China.
- Unlocking Cellular Secrets: A Training Course on Metabolic Analysis and Molecular Docking. 8-12 July 2024 at the Faculty of Agricultural Sciences, University of the Punjab, Lahore.
- Appointed as external examiner to conduct the viva voce examination of BS Environmental Sciences, University of the Punjab, Pakistan.
- Participated in 4th International Conference on Emerging Trends in Earth and Environmental Sciences December 04-06, 2023.
- Member Committee to carry out the latest research for development of quality seeds of Rice, Wheat and Cotton. By Governor of Punjab, Pakistan.
- Oral Presentation. 1st International Conference. Recent Approaches in Plant Sciences (RAPS-2022).
- Participated in First Tuesdays: What makes a great ESG Leader? By The ESG Exchange on 2 May 2023.
- Participated in Wiley Analytical Science Spring 2022 Conference. By Wiley Analytical Science.
- Participated in 7th invention to innovation summit 2018. 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.
- 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). 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. March 19 to 20, 2014.
- Participated in 5th Invention to Innovation Summit 2014. March 02 to 03, 2016.
- Participated in 6th Invention to Innovation Summit 2017. March 07 to 08, 2017.
- Participated in 8th Invention to Innovation Summit 2014. 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.

- Peer Reviewer Power Up Course Offered by Reviewer Credits.
- Participated in How I Learned to Stop Worrying and Love Flow Cytometry Analysis. By Beckman Coulter on March 21st, 2023
- First Tuesdays: What makes a great ESG Leader? By The ESG Exchange. Event held on 2 May 2023.
- Participated in Global ESG and Sustainability Summit – 2022. By Good Governance Academy. Held on 25 August 2022.
- Participated in How to become an effective peer reviewer. By ReviewerCredits on 25th June, 2023.
- Participated in The First International Conference on Emerging Trends in Earth and Environmental Sciences. March 09 to 10, 2017.
- Participated in the Seminar on Food Sovereignty. 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. November 08, 2016.
- Quaid-I-Azam Scout in Pakistan Boy Scout Association.
- Rendered services in National Cadet Corps.