

# Author Impact Report (2023-2026)

Author Impact Summary

Report ID: NEX-AIR-2026-917CE4 • Generated: 2026-06-03 16:42 • Range: 2023 - 2026

## Key Indicators

Total Publications

**7**

Total Citations

**116**

Citations This Year

**42**

Organic Citations

**113**

Self Citations

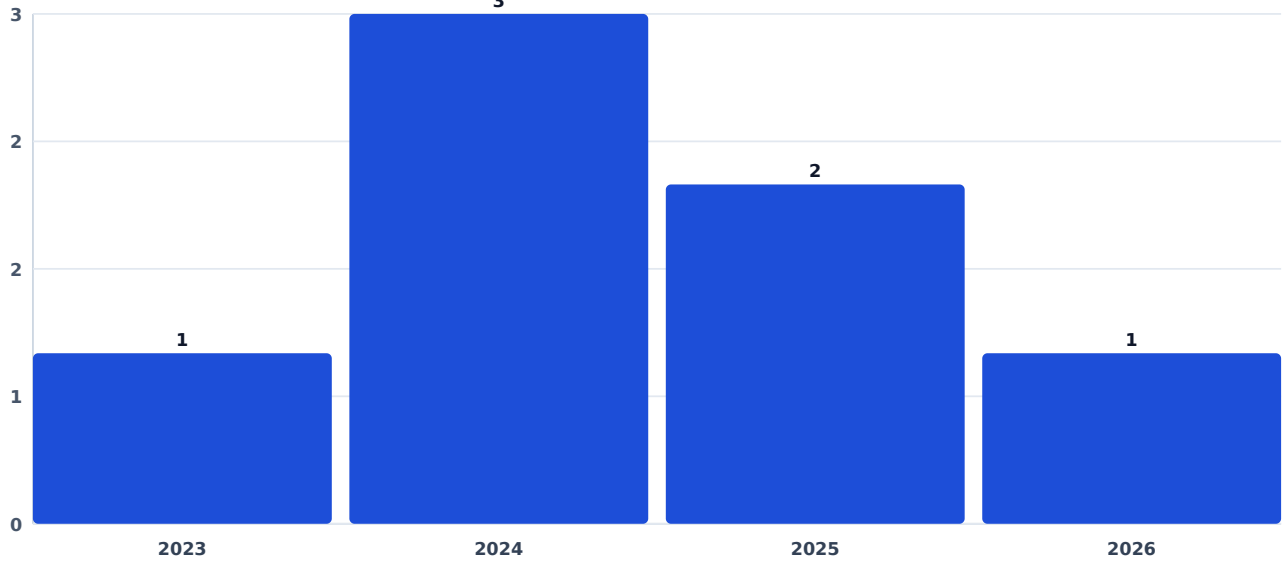
**3**

H-index / i10-index

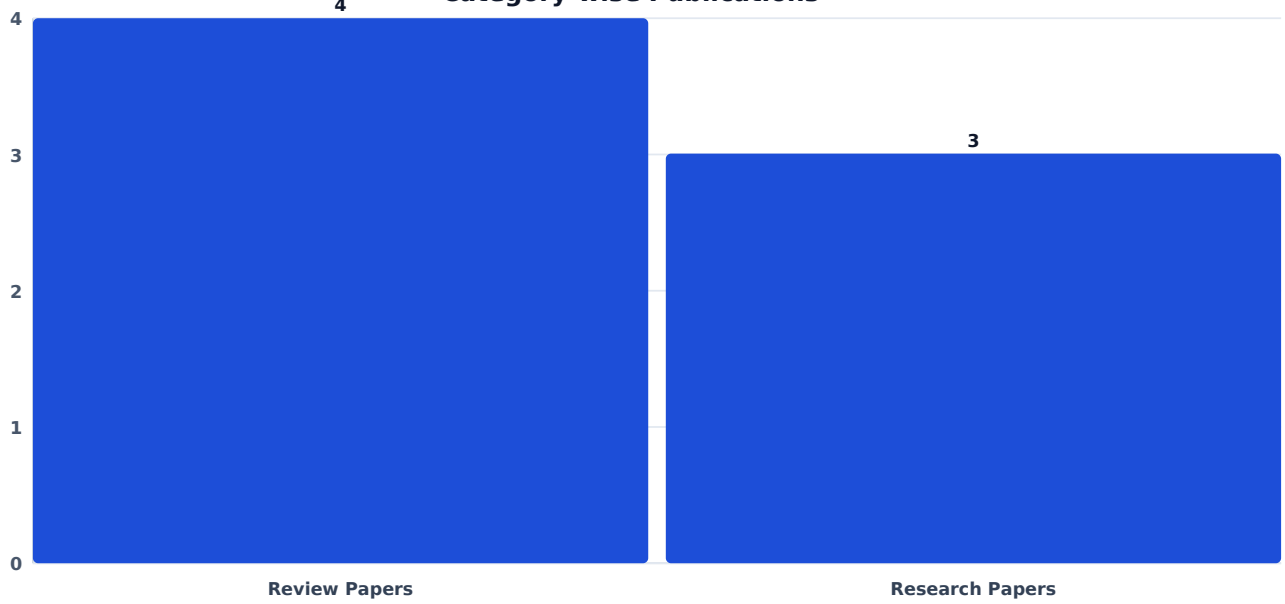
**2 / 1**

## Visual Analytics

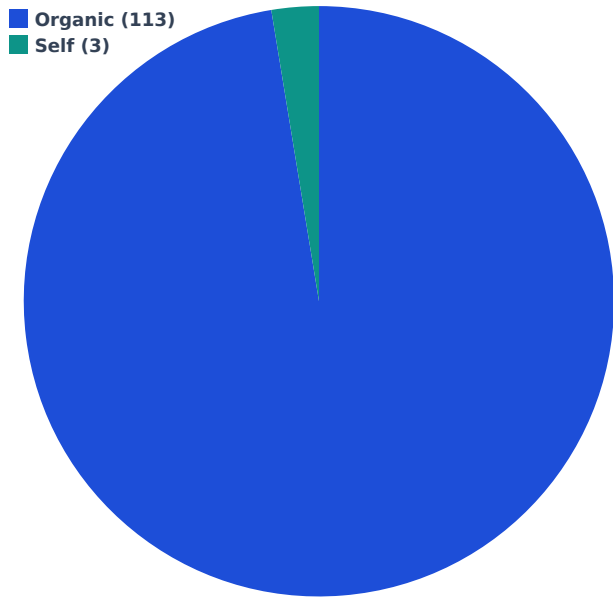
### Year-wise Publications



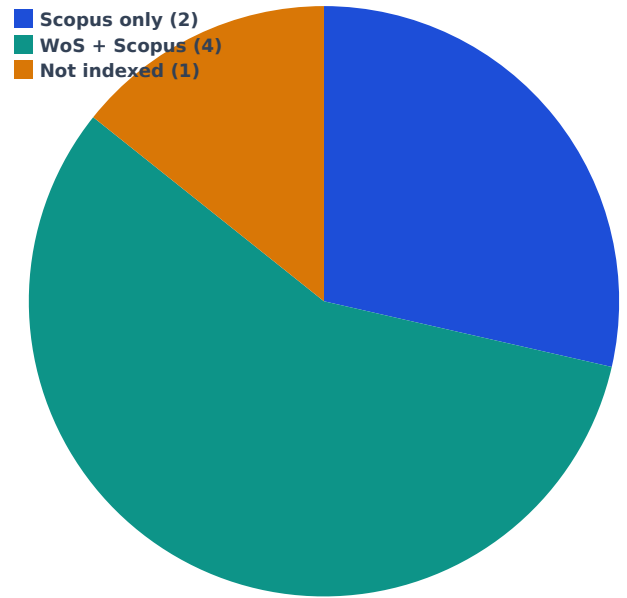
### Category-wise Publications



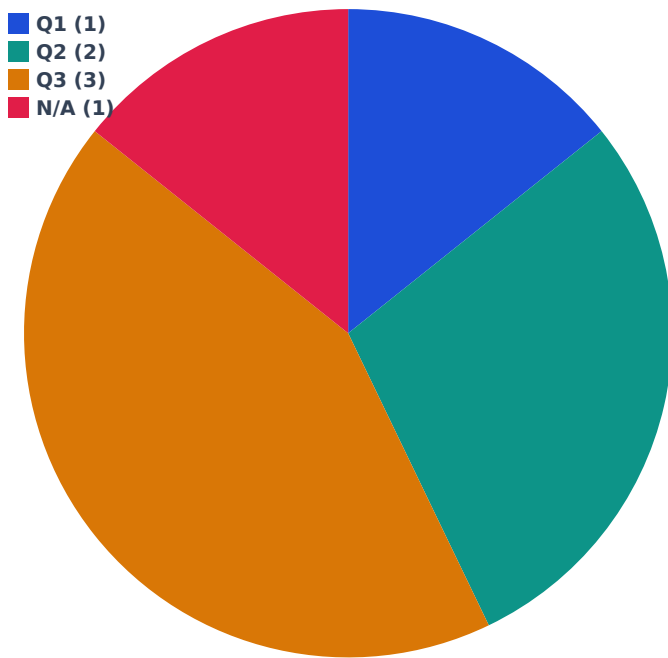
**Organic vs Self Citations**



**Indexing Share**



**Scopus Quartiles**



## Publications

**Notice:** Impact Factor, CiteScore, and indexing information reflect the journal status at the time the respective article was published (as recorded in the system).

### #1 — Silicon: A Sustainable Approach to Climate Resilience and Crop Productivity

**Journal:** Silicon

**Year:** 2026 • **Published:** 2026-02-10

**DOI:** 10.1007/s12633-025-03597-w

**Details:** —

Web of Science

Scopus

Q2

Impact Factor: 3.300

CiteScore: 7.700

Citations: 0

#### Citations

No citations found.

### #2 — Soil Pollution in Urban Environments: Sources, Consequences, Potential Mitigation Strategies and the Importance of Sustainable Urban Development

**Journal:** Water, Air, & Soil Pollution

**Year:** 2025 • **Published:** 2025-10-04

**DOI:** 10.1007/s11270-025-08421-0

**Details:** Vol. 236 • Issue 14

Web of Science

Scopus

Q2

Impact Factor: 3.000

CiteScore: 4.600

Citations: 2

#### Citations

1. Francesco Lami; Laura Zavatta; Agata Morelli; Andrea Ciurli; Giovanni Giorgio Bazzocchi; Matteo Vecchi. (2026). Complex interactions between local habitat features, landscape factors and seasonality shape soil microarthropod communities in urban green areas. *Urban Ecosystems*, 29(2). <https://doi.org/10.1007/s11252-026-01949-x>  
**Year:** 2026 Organic
2. Richa Joshi; Jagneet Kour; Raino Bhatia. (2025). Sustainable Practices in Urban Health: Addressing Pollution and Inequality. *Global Trends in Smog and Air Pollution Control*, 145-176. <https://doi.org/10.4018/979-8-3373-2469-2.ch007>  
**Year:** 2025 Organic

### #3 — Effects of Soil-Applied Potassium on Potassium Use Efficiency, Leaf Water, and Biochemical Attributes of Cotton Cultivars Under Reduced Irrigation

**Journal:** Pakistan Journal of Botany

**Year:** 2025 • **Published:** 2025-07-09

**DOI:** 10.30848/PJB2025-6(30)

**Details:** Vol. 57 • Issue 6

Web of Science

Scopus

Q3

Impact Factor: 0.900

CiteScore: 2.100

Citations: 0

## Citations

No citations found.

## #4 — Risk Assessment of Pesticide Residues in Cauliflower grown in the vicinity of Multan City

**Journal:** Sarhad Journal of Agriculture

**Year:** 2024 • **Published:** 2024-10-04

**DOI:** 10.17582/journal.sja/2024/40.4.1164.1171

**Details:** Vol. 40 • Issue 4 • Pages 1164-1171

Scopus

Q3

Citations: 1

## Citations

1. Haseeb Ur Rehman; Umair Riaz; Abid Hussain; Abdullah Niaz; Nazia Parveen; Rehman Gul; Muhammad Tariq; Asif Farooq; Adnan Fareed; Ren Maozhi. (2026). Assessment of Pesticide Residues Contamination in Maize Crop and Associated Health Risks in Industrial Adjacent Areas. *Planta Animalia*, 5(2), 691-701.  
<https://doi.org/10.71454/pa.005.02.0459a>

Organic

Year: 2026

## #5 — Calcium Carbide Induced Ethylene Regulates Seed Dormancy and Post-Germination Growth of Sweet Pepper

**Journal:** Pakistan Journal of Agricultural Research

**Year:** 2024 • **Published:** 2024-08-27

**DOI:** 10.17582/journal.pjar/2024/37.3.223.231

**Details:** Vol. 37 • Issue 3 • Pages 223-231

Scopus

Q3

CiteScore: 1.400

Citations: 0

## Citations

No citations found.

## #6 — Impact of microplastics on soil (physical and chemical) properties, soil biological properties/soil biota, and response of plants to it: a review

**Journal:** International Journal of Environmental Science and Technology

**Year:** 2024 • **Published:** 2024-05-26

**DOI:** 10.1007/s13762-024-05656-y

**Details:** Vol. 21 • Pages 10277–10318

Web of Science

Scopus

Q1

Impact Factor: 3.000

CiteScore: 6.500

Citations: 104

## Citations

1. Luqing Yang; Mengyang Wang; Jie Cheng; Jianghu Long; Lun Wang; Jiaqi Liu; Wen Zhai; Junqi Liu; Lisheng Feng; Yang Luo. (2026). Polyethylene Microplastic-Induced Changes in Soil Properties Mediate Nutrient Accumulation and Growth of *Amaranthus tricolor* L.. *Plants*, 15(11), 1720. <https://doi.org/10.3390/plants15111720>  
**Year:** 2026 **Organic**
2. Wenfang Lin; Kai Yang; Tao Lu; Xiaoxi Kang; Xinyu Xing; Ewa Korzeniewska; Natalia P. Ivleva; Feng Ju; Haifeng Qian; Li Cui; Yong-guan Zhu. (2026). The plastisphere: from microbial pollution to biodegradable solution. *ENGINEERING Environment*, 20(9). <https://doi.org/10.1007/s11783-026-2234-5>  
**Year:** 2026 **Organic**
3. Surui Ji; Xuanqi Zhang; Yawen Li; Yuting Zhang; Bin Shao; Jin Liu; Ming Zeng. (2026). Inhibitory effects of polyethylene, polylactic acid microplastics and tyre wear particles on soil nitrification via decreasing ammonium availability and altering microbial communities. *Journal of Soils and Sediments*, 26(6). <https://doi.org/10.1007/s11368-026-04396-5>  
**Year:** 2026 **Organic**
4. Zhang, B., Zhang, H., Weng, X., & Sun, H. (2026). Complex research review on environmental risk management of soil microplastic contamination: Treatment technologies and global perspectives. *MSI Journal of Multidisciplinary Research*, 3(4). <https://doi.org/10.5281/zenodo.19660481>  
**Year:** 2026 **Organic**
5. Mahfuz Ahmmed; Md Hasibuzzaman; Ismail M. Rahman; Sadia Sultana Mitu; Tapos Kumar Chakraborty; Gopal Chandra Ghosh. (2026). Microplastic contamination in locally and industrially produced organic fertilizers: Implications for sustainable agriculture and risk mitigation. *Chemosphere*, 405, 144953. <https://doi.org/10.1016/j.chemosphere.2026.144953>  
**Year:** 2026 **Organic**
6. Robert Ato Newton; Abdulmannan Rouhani; Karim Suhail Al Souki; Aigerim Mamirova; Valentina Pidlisnyuk. (2026). Effect of biochar application on soil properties, crop yield, and soil carbon sequestration. *Wastewater Treatment with Biochar*, 385-400. <https://doi.org/10.1016/b978-0-443-29865-3.00008-x>  
**Year:** 2026 **Organic**

7. Arunthathi Elamparuthi; Muniasamy Muniyandi. (2026). Characterisation and quantification of soil microplastics in the Maruthamalai Foothills buffer zone of the Western Ghats, India: Ecological implications. *Ecological Frontiers*.  
<https://doi.org/10.1016/j.ecofro.2026.04.011>  
**Organic**  
Year: 2026
8. Li Dong; Chengcui Yang; Xinting Su; Duo Han; Dongsu Zhao; Zhongyan Tang; Fen Xiong; Yinzhu Dong; Xiaodan Wang; Yonghong He; Shunqiang Yang. (2026). Effects of Different Sources of *Armillaria mellea* Co-Cultivation on the Quality and Soil Microecology of *Gastrodia elata*. *Plants*, 15(9), 1329. <https://doi.org/10.3390/plants15091329>  
**Organic**  
Year: 2026
9. Rayanee Chaudhuri; Paramasivan Balasubramanian. (2026). Microalgae as Green Tools for Microplastic Remediation. *Advances in Algal Research*, 339-361. [https://doi.org/10.1007/978-981-95-7234-2\\_17](https://doi.org/10.1007/978-981-95-7234-2_17)  
**Organic**  
Year: 2026
10. Kelsey Smyth; Elodie Passeport; Jennifer Drake. (2026). Microplastics Transport in Porous Media and Modeling in Bioretention Systems: A Review. *Journal of Sustainable Water in the Built Environment*, 12(3).  
<https://doi.org/10.1061/jswbay.sweng-705>  
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11. Mark Anthony G. Teodoro; Ian B. Benitez; Romano Q. Neyra. (2026). Climate Change Impacts on Power System Reliability and Protection: A Review of Vulnerabilities and Adaptive Engineering Approaches. 2026 International Conference on Artificial Intelligence, Computer, Data Sciences and Applications (ACDSA), 1-6.  
<https://doi.org/10.1109/acdsa67686.2026.11467766>  
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Year: 2026
12. Shade John Akinsete; Elizabeth Tomiwa Ojebode; Zainab Bukola Olatunji; Oluwatoyin Adeyinka Oduneye. (2026). Microplastic Pollution in Urban Soils: The Hidden Climate Change Agent in Ibadan, Nigeria. *Extreme Climate Events, Loss and Damage in Africa*, 147-167. [https://doi.org/10.1007/978-3-032-11678-9\\_7](https://doi.org/10.1007/978-3-032-11678-9_7)  
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13. Rohit Chandravanshi; Aradhana Tiwari; Ankesh Tiwari; Rashmi Dubey; Sudhir Kumar Pandey. (2026). Biochar as an adsorbent for microplastics present in aquatic environments: A comparative review between batch and column adsorption. *Journal of Environmental Chemical Engineering*, 14(3), 122530. <https://doi.org/10.1016/j.jece.2026.122530>  
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14. Mohamed Idbella; Rihab Djebaili; Ayoub Idbella; Mohamed Rida Abelouah; Giuseppina Iacomino; Marika Pellegrini; Giuliano Bonanomi. (2026). Impact of microplastics on soil microbiota and phosphorus dynamics - a review. *Emerging*

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15. Guangwei Sun; Ran Wang; Minghui Liu; Rui Wang; Guangjiong Qin; Zhenguo Chen; Chuanzong Li; Yi Liu. (2026). Integrated microbiome-metabolome analysis reveals phytotoxicity of biodegradable and non-biodegradable microplastics in tobacco and biochar-mediated mitigation via particle size modulation. *Industrial Crops and Products*, 244, 123174. <https://doi.org/10.1016/j.indcrop.2026.123174>  
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16. Xin Cao; Zidan Liu; Yadong Xu; Haifeng Zhang; Taiping Zhang; Lei Ouyang. (2026). Effects of microplastics & antibiotics compound pollution on microbial communities and carbon metabolisms of plant-soil system. *Journal of Environmental Chemical Engineering*, 122383. <https://doi.org/10.1016/j.jece.2026.122383>  
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17. HUANG Yu-ping, ZHOU Li-yin, ZHANG Miao-miao, YUAN Ji-hong, GUO Chun-lan, REN Qiong. Effects of Polystyrene Microplastics on the Growth and Physiological Characteristics of *Zizania latifolia*[J]. *WETLAND SCIENCE & MANAGEMENT*, 2026, 22(1): 19-24. doi: 10.3969/j.issn.1673-3290.2026.01.03  
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18. Tamara Meizoso-Regueira; Yingxue Yu; Markus Flury; Matthias C. Rillig. (2026). Critical thresholds in soil physical properties driven by microplastics. *Microplastics and Nanoplastics*. <https://doi.org/10.1186/s43591-026-00188-3>  
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19. Anshul; Archit Kapil; Vansh Gupta; Gayatri Saini; Sandeep Kumar Barwal; Harsh Singh. (2026). Plastic Pollution as a Driver of Aquatic Biodiversity Decline: Mechanisms, Ecological Consequences, and Mitigation Imperatives. *AgroEnvironmental Sustainability*, 4(1), 102-109. <https://doi.org/10.59983/s20260401011>  
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20. Zhe-Xi Luan; Jia Ran; Hao-Qin Xiong; Hong Xiang; Xiao-Long Sun. (2026). Polypropylene and Polylactic Acid Microplastics Alter Plateau Wetland Seed Bank Emergence and Community Assembly: A Greenhouse Stress Test Experiment. *Plants*, 15(6), 910. <https://doi.org/10.3390/plants15060910>  
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21. Arghya Protik Chowdhury. (2026). A Comprehensive Review on Environmental Migration, Physicochemical Transformations, and Exposure-Related Health Risks of Microplastics. <https://doi.org/10.20944/preprints202603.0921.v1>  
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22. Manish Chaudhary; Shivam Tiwari; Rajat Singh Rana; Surindra Suthar. (2026). Microplastic Pollution in Compost from Municipal Composting Facilities in Uttarakhand Himalayan Region, India: Characterization and Ecological Risk Assessment. *Environmental Research*, 124259. <https://doi.org/10.1016/j.envres.2026.124259>
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23. Ignazio Allegretta; Concetta Eliana Gattullo; Mohammad Yaghoubi Khanghahi; Carlo Porfido; Fani Sakellariadou; Carmine Crecchio; Matteo Spagnuolo; Roberto Terzano. (2026). Microplastics as Source or Sink of Potentially Toxic Elements: Dynamics in the Soil-Plant System. <https://doi.org/10.20944/preprints202602.1393.v1>
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24. Zirong Kong; Meilin Zhang; Yingying Jiang; Kerong Fan; Yulong Li; Qiao Guo; Hangxian Lai. (2026). Assessing soil biological indicators across a fertility gradient in agricultural areas of Shaanxi Province, China. *Plant and Soil*. <https://doi.org/10.1007/s11104-026-08409-7>
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25. Špela Železnikar; Nina Kacjan Maršič. (2026). Plastika v kmetijstvu: uporaba in vplivi ostankov plastike na tla ter zelenjadarske pridelovalne sisteme. *Acta Biologica Slovenica*, 69(2). <https://doi.org/10.14720/abs.69.2.25804>
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26. Munawar Hussain; Wajiha Sarfraz; Chengrong Chen; Rahat Shabir; Ghulam Abbas; Mehran Rezaei Rashti. (2026). From waste to resource: unveiling the nexus between compost, microplastics, and agroecosystem. *Journal of Hazardous Materials Advances*, 21, 101033. <https://doi.org/10.1016/j.hazadv.2026.101033>
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27. Shanshan Zhao; Lan Li; Jianing Sun; Jingyu Hu; Wu Liu; Xin Cheng; Dan Zhou; Bo Cheng. (2026). Soil bacterial community and vanadium fate shaped by co-exposure to polyethylene microplastics and native vanadium pollution. *Applied Soil Ecology*, 219, 106807. <https://doi.org/10.1016/j.apsoil.2026.106807>
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28. Xianliang Wu; Jinfa Chen; Yaoyue Su; Zhenming Zhang; Jun Wang. (2026). A systematic review of the soil C, N, and P cycles mediated by microplastics: Enzyme activities, greenhouse gas emissions and plant growth. *Resources, Conservation and Recycling*, 228, 108788. <https://doi.org/10.1016/j.resconrec.2026.108788>
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29. Špela Železnikar; Andraž Dolar; Tjaša Danevčič; Marina Pintar; Damjana Drobne. (2026). Direct and indirect effects of microplastics from agricultural mulch films on terrestrial isopods *Porcellionides pruinosus* (Crustacea, Isopoda): A comparative exposure study. *Ecotoxicology and Environmental Safety*, 309, 119741.

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30. Aditi Biswas; Partha Chandra Debnath; Khandakar Rashedul Islam; MD Jahid Hasan; Sarajit Sarker; Sk Mahmudul Hasan Asif; Md Abu Rayhan; Md Simoon Nice; Monishanker Halder; Tapos Kumar Chakraborty; Samina Zaman; Gopal Chandra Ghosh. (2026). Source tracking, pollution load, and risk assessment of microplastics pollution in agricultural soils of Bangladesh using machine learning and multi-matrix approaches. *Environmental Pollution*, 392, 127669.

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32. Garima Kaushik; P. Manuraj; Mohd Ashraf Dar; Preksha Palsania; Shalni Satya; Ommer Ahad Bhat; Shailesh Kumar Patidar. (2026). Microplastic exposure and its impact on the growth and physiological functions of *Cicer arietinum*. *Biocatalysis and Agricultural Biotechnology*, 72, 103920. <https://doi.org/10.1016/j.bcab.2026.103920>

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33. Iqra Binti Ayoub; Shoukat Ara; Suhail A. Lone. (2026). Deciphering the impact of microplastics (MPs) on Himalayan agricultural soils: Current knowledge and future perspectives. *Journal of Hazardous Materials Advances*, 21, 100991. <https://doi.org/10.1016/j.hazadv.2025.100991>

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34. Nafisa Rumman Safa; Syeda Ayshia Akter; Joyenta Das; Fahmida Sultana. (2026). Risk assessment and influence of microplastics on mangrove forest soil: Sandwip Island, Chittagong, Bangladesh. *Environmental Science and Pollution Research*. <https://doi.org/10.1007/s11356-026-37520-6>

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35. Dong Ki Hwang; Jeyoung Park; Dongyeop X. Oh; Hyeonyeol Jeon; Jun Mo Koo. (2026). Assessing the Role of Compostable Plastics in Circular Economy Transition. *ChemSusChem*, 19(1). <https://doi.org/10.1002/cssc.202501938>

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Year: 2026

37. Ying Qin; Zhipu Wang; Fei Yang; Dean Wang; Wei Liu; Daoren Hanikai; Jian Liu; Jiabin Zhou; Dan Liu. (2026). Research progress on pyrolysis and resource utilisation of waste plastics: Methods, mechanisms, influencing factors, and future prospects. *Journal of Analytical and Applied Pyrolysis*, 193, 107459. <https://doi.org/10.1016/j.jaap.2025.107459>

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Year: 2026

38. Saif Uddin; Nazima Habibi; Montaha Behbehani. (2026). Microplastics in Soil: Inventories, Effect and Environmental Risks. *Sustainability Sciences in Asia and Africa*, 1-28. [https://doi.org/10.1007/978-981-95-2740-3\\_1](https://doi.org/10.1007/978-981-95-2740-3_1)

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39. Farooq, Z. B., Noor, M., Ahmed, K., Jan, P., Arain, Z., & Noman. (2025). Soil Biota: The Living Engine of Soil Health, 4(7). <https://biologicaltimes.com/published-articles-details/?id=1484>

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40. Nikola Kilibarda; Andjela Djordjevic. (2025). THE GROWING PROBLEM OF SOIL POLLUTION WITH MICROPLASTICS: A REVIEW. *IRASA International Scientific Conference SCIENCE, EDUCATION, TECHNOLOGY AND INNOVATION SETI VII 2025*, 369-377. <https://doi.org/10.62982/seti07.niki.35>

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41. Ji Hengying, Yang Mingyao, Li Pan. Impact of varying particle sizes of cotton stalk biochar on water and solute movement in soil contaminated with polyethylene microplastics. *Journal of Agro=Environment Science* 2025,44(11):2946-2955. DOI: 10.11654/jaes.2024-1046

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Year: 2025

42. Aaron Ohene Boanor; Rose Nimoh Serwaa; Jin Hee Park; Jwakyung Sung. (2025). Impacts of Micro/Nanoplastics on Crop Physiology and Soil Ecosystems: A Review. *Soil Systems*, 10(1), 2. <https://doi.org/10.3390/soilsystems10010002>

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Year: 2025

43. Kun Li; Weiyi Li; Yonghong Peng; Zhangle Chen; Zidong Ye. (2025). UV-Aged microplastic agricultural ecological risk: Mechanisms of tire wear particles affecting wheat growth and soil health through concentration-aging interactions. *Journal of Environmental Chemical Engineering*, 13(6), 120427. <https://doi.org/10.1016/j.jece.2025.120427>

Organic

Year: 2025

44. Zirong Kong; Meilin Zhang; Yingying Jiang; Kerong Fan; Yulong Li; Qiao Guo; Hangxian Lai. (2025). Assessing soil biological properties as quality indicators across a fertility gradient in agricultural areas of Shaanxi Province, China. <https://doi.org/10.21203/rs.3.rs-8003942/v1>

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45. Chengbo Lu; Haiyang Dong; Hong Li; Xinjie Huang; Yankun Du; Ziyao Ren; Zhiqiang Xu; Bing Li; Lusheng Zhu; Jinhua Wang; Jun Wang. (2025). Toxicity comparison of multiple biodegradable and conventional microplastics on earthworms: Ingestion, tissue damage, oxidative stress, and transcriptional responses. *Ecotoxicology and Environmental Safety*, 307, 119415. <https://doi.org/10.1016/j.ecoenv.2025.119415>

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46. Ilaria Savino; Claudia Campanale; Paola Grenni; Cristina Cavone; Francesca Garganese; Anna Barra Caracciolo; Vito Felice Uricchio; Valeria Ancona. (2025). Effects of micro and nanoplastics on plant-assisted bioremediation for contaminated soil recovery: A review. *Science of The Total Environment*, 1007, 180905. <https://doi.org/10.1016/j.scitotenv.2025.180905>

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47. Aayusha Upreti; Roshan Babu Ojha; Susma Giri; Basant Giri. (2025). Impact of Plastic Mulching on Microplastic Contamination in Mountainous Agricultural Soils. *Journal of Sustainable Agriculture and Environment*, 4(4). <https://doi.org/10.1002/sae2.70109>

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Year: 2025

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51. Zhifeng Jia; Linhui Zhang; Yanhua Wang; Jialu Pang; Jia Chen; Tianhao Zhang; Wei Wei. (2025). Occurrence characteristics, source analysis, and risk assessment of microplastics in agricultural soils: A case study on Shihezi Reclamation Area, Xinjiang, China. *Science of The Total Environment*, 1004, 180768. <https://doi.org/10.1016/j.scitotenv.2025.180768>

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52. Tumwet, F. C. (2025). Transport and Fate of Microplastics in Terrestrial Environments [PhD Dissertation, Technischen Universität Bergakademie Freiberggenehmigte]. <https://tubaf.qucosa.de/api/qucosa%3A99581/attachment/ATT-0/>

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53. Paul Boisseaux; Marie Laure Delignette-Muller; Tamara Galloway. (2025). A Quantitative Environmental Risk Assessment for Microplastics in Sewage Sludge Applied to Land. *Environmental Science & Technology*, 59(49), 26526-26538. <https://doi.org/10.1021/acs.est.5c08026>

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## #7 — Factors Affecting Nitrogen Use Efficiency (NUE): Meta Analysis

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