Author Impact Report (2023–2026)

Author Impact Summary

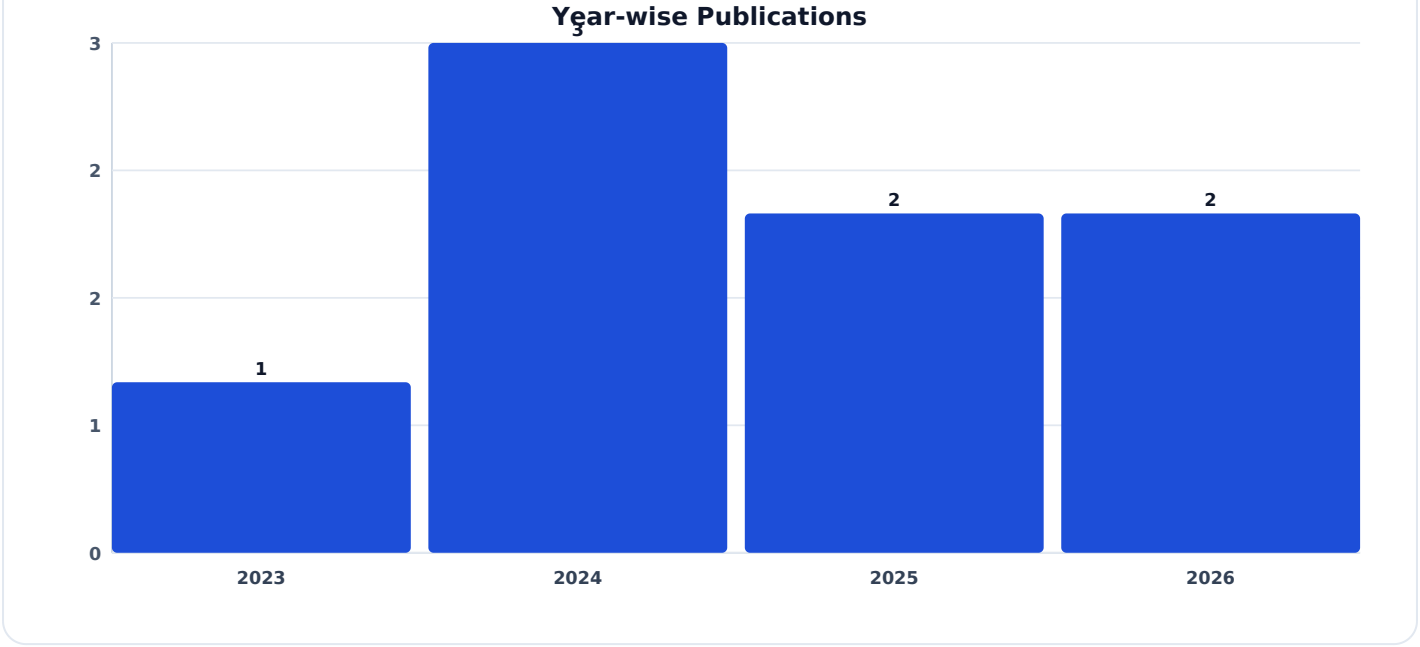
Report ID: NEX-AIR-2026-E6E12A • **Generated:** 2026-10-01 11:46 • **Range:** 2023 – 2026

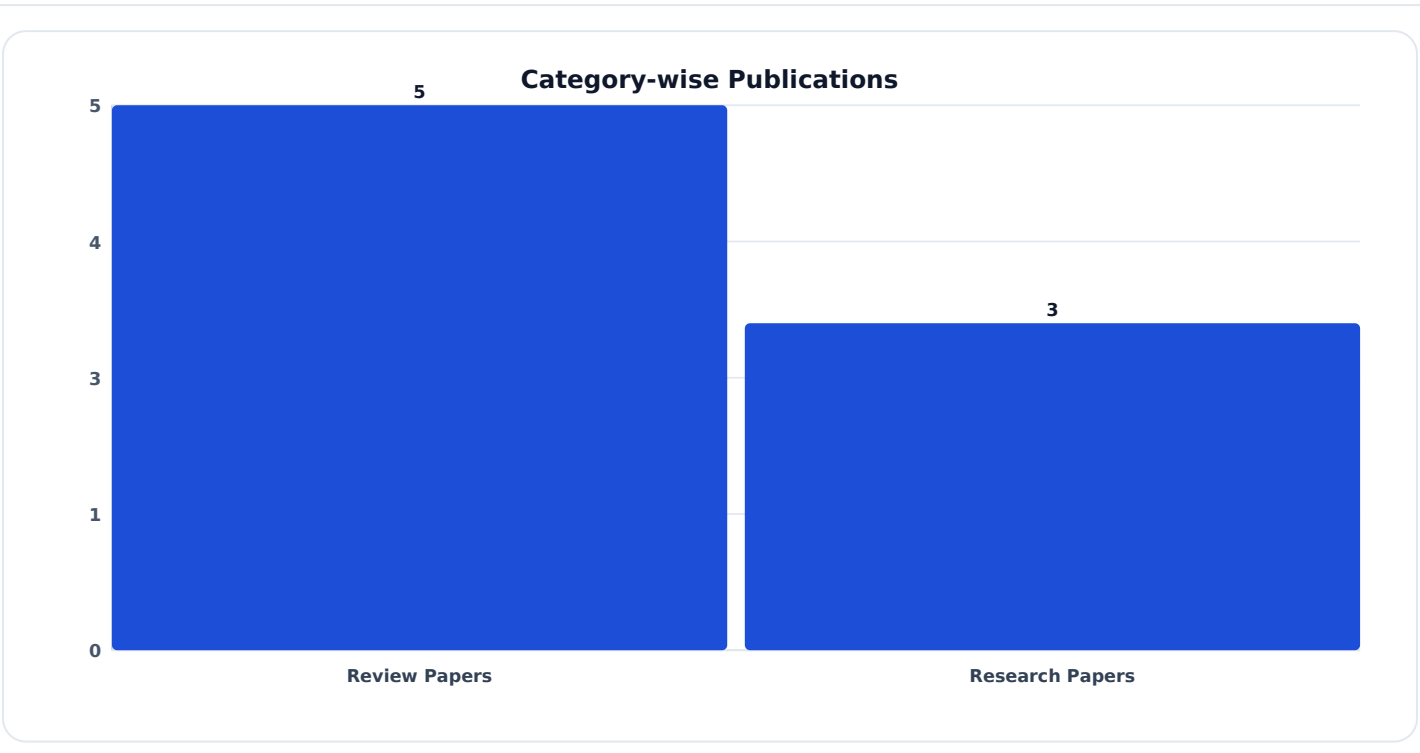
Key Indicators

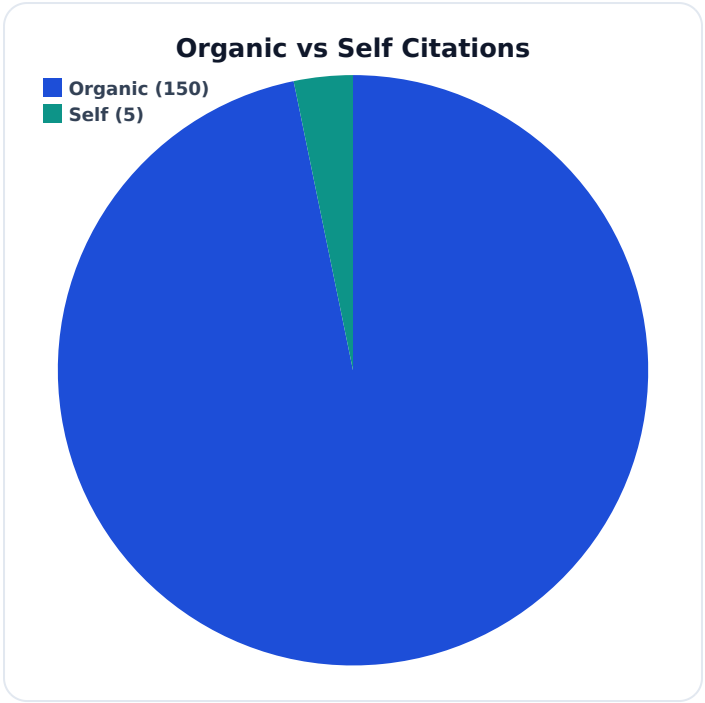
Total Publications	Total Citations	Citations This Year
8	155	78

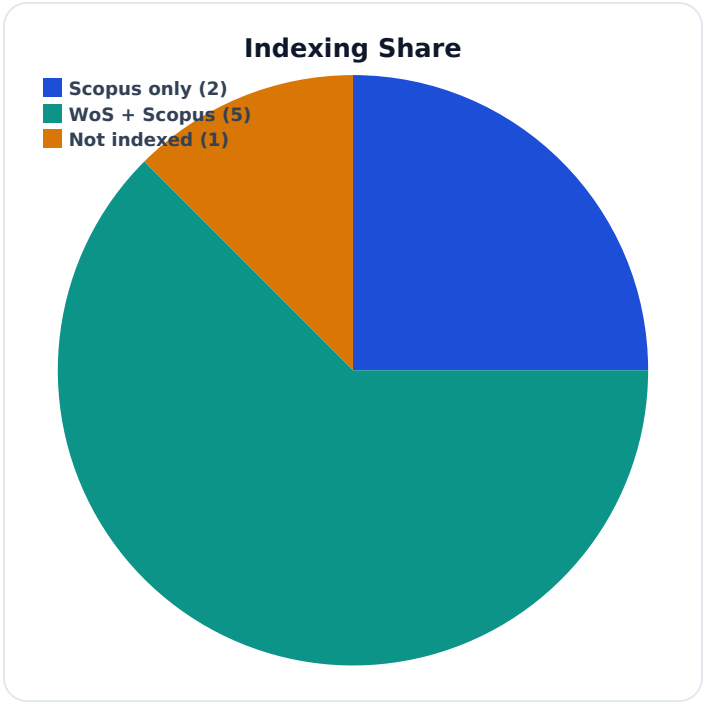
Organic Citations	Self Citations	H-index / i10-index
150	5	3 / 2

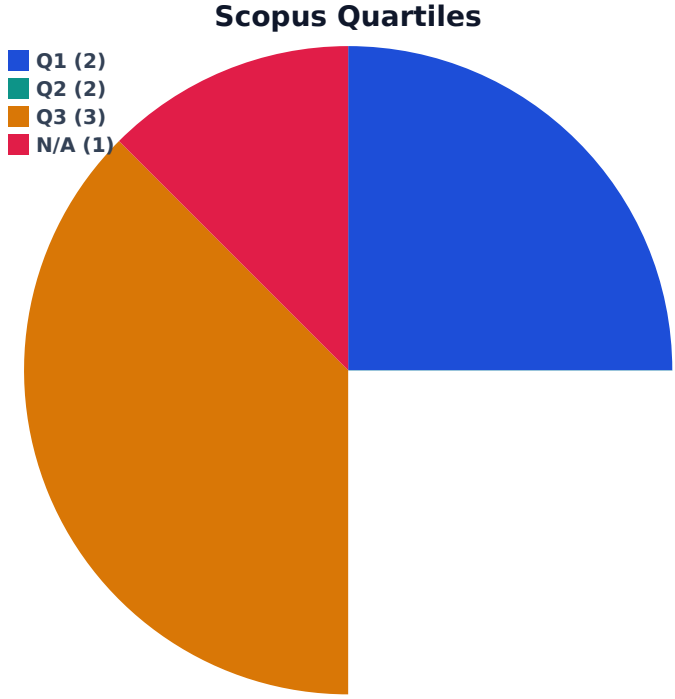
Visual Analytics






Organic vs Self Citations
Organic (150)
Self (5)


Indexing Share
Scopus only (2)
WoS + Scopus (5)
Not indexed (1)


Scopus Quartiles
Q1 (2)
Q2 (2)
Q3 (3)
N/A (1)

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 — Microplastics as pesticide vectors in soil: bridging aqueous insights to terrestrial co-contamination risks and ecosystem impacts

Journal: International Journal of Environmental Science and Technology

Year: 2026 • **Published:** 2026-09-24

DOI: 10.1007/s13762-026-07459-9

Details: Vol. 23 • Pages 1-42

Web of Science | Scopus | Q1 | Impact Factor: 3.400 | CiteScore: 8.200 | Citations: 0

Citations

No citations found.

#2 — 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: Vol. 18 • Pages 1931–1982

Web of Science | Scopus | Q2 | Impact Factor: 3.300 | CiteScore: 7.700 | Citations: 0

Citations

No citations found.

#3 — 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: 5

Citations

1. Lijo Mona; Londeka Nomalungelo Dube; Buhle Buyana; Muthumuni Managa. (2026). Waterborne Diseases and Contaminated Water-Soil Pathways. The Handbook of Environmental Chemistry. https://doi.org/10.1007/698_2026_1274
   Organic
   Year: 2026

2. Damotharan Yogaswathy; D Muthumanickam; S Pazhanivelan; P Kannan; P C Prabu; M Gnanachitra. (2026). From soil pollution mapping to sustainable crop production: Advances in geostatistical and hybrid modelling techniques. Plant Science Today, 13(sp5). https://doi.org/10.14719/pst.15865
   Organic
   Year: 2026

3. Gema Trigos-Peral; Joaquín L. Reyes-López. (2026). Small-scale habitat components as key drivers of biodiversity in urban park design. Preprint (biorxiv). https://doi.org/10.64898/2026.06.30.735471
   Organic
   Year: 2026

4. 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
   Organic
   Year: 2026

5. 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
   Organic
   Year: 2025

#4 — 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.

#5 — 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: 2

Citations

1. Preethi, B., & Patil, N. S. (2026). Cauliflower Disease Identification and Classification: A Comprehensive Review. Natural Resources for Human Health (NRFHH), 6(4s), 134-149. https://nrfhh.com/index.php/journal/article/view/653

   Organic

   Year: 2026

2. 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

#6 — 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: 1

Citations

1. Haiyan Shu; Aiping Luan; You Wang; Junhu He; Rulin Zhan; Shenghe Chang. (2026). Calcium Carbide Initiated Pineapple Inflorescence Through Ethylene and Flowering Locus T. Journal of Plant Growth Regulation. https://doi.org/10.1007/s00344-026-12428-0

   Organic

   Year: 2026

#7 — 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: 133

Citations

1. Naima Huma Naveed; Aamir Ali; Aima Iram Batool; Muhammad Fayyaz ur Rehman; Muhammad Mustaqeem; Allah Ditta. (2027). Arbuscular mycorrhizal fungi (AMF) as potential mitigators of microplastic toxicity in soil ecosystems. Advancing Sustainable Agriculture Through Arbuscular Mycorrhizal Fungi, 469-494. https://doi.org/10.1016/b978-0-443-45130-0.00005-9

   Organic

   Year: 2027

2. Aleksandra Petrović; Aleksandra Popović; Ivana Ivanović; Dušan Marinković; Ana Lazić; Nikola Laćarac; Antonije Žunić; Vojislava Bursić. (2026). Behavioral Avoidance of Soil-Dwelling Organisms Exposed to Polyethylene Microplastics: A Comparative Laboratory Study. Microplastics, 5(4), 191. https://doi.org/10.3390/microplastics5040191

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   Year: 2026

3. Priyadarshani Rajput; Gourav Mondal; Manvendra Patel; Kasturi Charan; Smita Kumari; Tatiana Bauer; Avnish Chauhan; Dilfuza Jabborova; Tatiana Minkina; Vishnu D. Rajput. (2026). Bio-geo-transformation, degradation, interaction mechanism and remediation of micro- and nanoplastics in soil using metal-organic framework. Physics and Chemistry of the Earth, Parts A/B/C, 104874. https://doi.org/10.1016/j.pce.2026.104874

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4. Yubraj Dahal; Ramesh Gautam; Rashika Pandit; Reema Lama Pakhrin; Menuka Prajapati; Deena Prajapati; Tista Prasai Joshi; Rabindra Prasad Dhakal; Sandhya Babel. (2026). Microplastics Pollution in Surface Water of the Bagmati River, Nepal: Spatial Patterns, Tributary Inputs, and Potential Ecological Implications. Physics and Chemistry of the Earth, Parts A/B/C, 104881. https://doi.org/10.1016/j.pce.2026.104881

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5. Khandaker, M. (2026). Plastic Waste Mismanagement as a Source of Microplastic Pollution in Soil. University of Dhaka, Bangladesh. https://www.researchgate.net/publication/414961145_Plastic_Waste_Mismanagement_as_a_Source_of_Microplastic_Pollution_in_So

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6. Md. Sohel Rana; Qingyue Wang; Miho Suzuki; Christian Ebere Enyoh; Afia Sultana; Md. Rezwanul Islam; Tochukwu Oluwatosin Maduka. (2026). Effects of Polypropylene and Polyethylene Terephthalate Microplastics on Nutrient Dynamics in Agricultural Soils: A Laboratory Incubation Study from Two Regions in Bangladesh. Microplastics, 5(4), 190. https://doi.org/10.3390/microplastics5040190

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7. M. N. Hanif; N. K. Abbood; M. Babur; M. Akhtar; H. Sun; K. Azam; M. N. Akhtar; Q. ul Ain. (2026). Microplastics as pesticide vectors in soil: bridging aqueous insights to terrestrial co-contamination risks and ecosystem impacts. International Journal of Environmental Science and Technology, 23(10). https://doi.org/10.1007/s13762-026-07459-9

Self-citation

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8. Selin Taşyonar; Nur Okur. (2026). Effect of microplastic pollution on selected physico-chemical and microbiological properties of soil and bacterial/fungal community composition. Ege Üniversitesi Ziraat Fakültesi Dergisi, 63(3), 403-419. https://doi.org/10.20289/zfdergi.1887210

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9. Deepali Rustagi; Kunal; Rohit Kumar; Pankaj Kumar; Atin Kumar; Rajeev; Jungjit Critykar; Debasis Mitra; Mahendru Kumar Gautam; Vishnu D. Rajput; Caleb Ayomide Babatunde. (2026). Microplastics in agricultural soils: sources, soil–plant interactions, ecotoxicological effects and food security concerns. Frontiers in Soil Science, 6. https://doi.org/10.3389/fsoil.2026.1899490

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11. Gong, JJ; Cai, H; Wang, ZJ; Wu, JY. (2026). EFFECTS OF TYPICAL MICROPLASTICS ON SOIL PROPERTIES AND MICROBIAL COMMUNITIES. APPLIED ECOLOGY AND ENVIRONMENTAL RESEARCH, 24(5), 9817-9846. DOI: 10.15666/aeer/2405_98179845

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12. Daniel Mulugeta; Yordanos Fekede; Hagos Tsegaye; Abebe Getachew. (2026). Urban waste dominates microplastic pollution in Ethiopian irrigated farmlands: Evidence from FTIR spectroscopy, random forest classification, and farmer surveys. https://doi.org/10.21203/rs.3.rs-10329369/v1

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13. Debin Sun; Zhangyong Li; Yuanlan Lei; Yan Qiu; Jingxiu Xiao; Yi Zheng. (2026). Responses of Rhizosphere Soil Physicochemical Properties and Enzyme Activities to Polyethylene Microplastic Stress in Maize–Soybean Intercropping. Agriculture, 16(17), 1853. https://doi.org/10.3390/agriculture16171853

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14. Peter Šurda; Lucia Toková; Lenka Botyanszká; Natália Botková. (2026). Radish growth and soil aggregate stability affected by microplastic contamination. Plant, Soil and Environment, 72(8), 503-513. https://doi.org/10.17221/260/2026-pse

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15. Safae Er Raouan; Hamza Bellouk; Imane Er Raouan; Soumya El Abed; Amine Assouguem; Naoufal El Hachlafi. (2026). From soil disruption to biodegradation: A comprehensive review of microplastic effects and microbial breakdown mechanisms in terrestrial ecosystems. CABI Reviews. https://doi.org/10.1079/cabireviews.2026.0039

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16. Yubraj Dahal; Saroj Babu Koirala; Ramesh Gautam; Rashika Pandit; Reema Lama Pakhrin; Rabindra Prasad Dhakal; Sandhya Babel. (2026). Seasonal Variation of Microplastic Contamination in Landfill Leachate, River Water, and Soil During Premonsoon and Monsoon: First Evidence From Landfill Sites in Nepal. Journal of Toxicology, 2026(1). https://doi.org/10.1155/jt/5660004

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17. Firat Yavuz Öztürk; Fadime Özdemir. (2026). Biofilms on microplastics across ecological systems: Formation mechanisms, community composition, environmental impacts, and ecotoxicity. World Journal of Microbiology and Biotechnology, 42(8). https://doi.org/10.1007/s11274-026-05174-8

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18. Mashal Nadeem; Saba Mazhar; Ayesha Shafqat; Sajjad Hyder; Noureddine Besselma; Amjad Shahzad Gondal; Sajid Ullah; Sajad Ali; Mohammed S. Alotaibi; Rashid Iqbal. (2026). Microplastics in agroecosystems: environmental fate, bioavailability and ecotoxicological impacts on soil-plant-microbe interactions. Environmental Pollutants and Bioavailability, 38(1). https://doi.org/10.1080/26395940.2026.2709780

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19. Imbang Dwi Rahayu; Iswahyudi Iswahyudi; Adi Sutanto; Marchel Putra Garfansa; Zhulvie Meylanzharie; Lira Rizqi Nurfadilah; Siti Alfiatul Amani; Asmah Hidayati; Yenni Arista Cipta Ekalaturrahmah; Muzna Ardin Abdul Gafur; Mochamad Chanan; Agus Budiyono. (2026). Earthworm Gut Microbiota as a Biological Driver of Plastic Degradation: Implications for Microplastic Mitigation. Environmental Microbiology, 28(8). https://doi.org/10.1111/1462-2920.70387

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20. Eulyn Pagaling; Cathy Hawes; Stuart J.F.F. Ramage. (2026). Impact of microplastics in agriculture. CABI Reviews. https://doi.org/10.1079/cabireviews.2026.0036

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Year: 2026

21. Alice Pita-Barbosa; Oussama Bouaicha; Júlia Melo Henrique; Andreia Neves Fernandes; Crislaine Bertoldi; Walter Ruggeri Waldman; Raphael Tiziani; Felipe Klein Ricachenevsky; Tanja Mimmo. (2026). Impacts of microplastics on plants: Mechanisms of toxicity and detection methods. Phytotoxicity of Organic Pollutants, 333-360. https://doi.org/10.1016/b978-0-443-33110-7.00005-5

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22. Irédon Adjama; Hemen Dave. (2026). Microplastic Contamination in Biomined Recovered Soils: Estimation, Characterization, Chemical Ageing Verification, and Ecological Risk Implication for Agricultural Use. Journal of Hazardous Materials: Plastics, 100071. https://doi.org/10.1016/j.hazmp.2026.100071

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23. Si-Yu Liu; Feng Han; Li-Qi Ma; Zheng Li; Chun-Ru Qin; Ikram Yaqine. (2026). Microplastics Inhibit Microbial Abundance and Enzyme Activities in Pb/Cd Co-contaminated Soil: The Alleviating Role of Biochar. Journal of Soil Science and Plant Nutrition. https://doi.org/10.1007/s42729-026-03444-w

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24. Noble George; Komal Janiyani; Anjali Gupta; Matthew Ogoe; Kwasi Kantanka Safo; Harjeet Singh; Shivani Pandya. (2026). Advanced and Emerging Technologies for Microplastic Remediation. Water, Air, & Soil Pollution, 237(17). https://doi.org/10.1007/s11270-026-09676-x

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Year: 2026

26. Solanki, K. and Harwani, S. (2026). Microplastics in Aquatic and Terrestrial Ecosystems. In Microbiological Interventions in Microplastics Remediation (eds H. Jain and M.P. Shah). https://doi.org/10.1002/9781394384730.ch2

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27. Strani, L., Scopetani, C., Pellacani, S., Durante, C. (2026). (Micro)plastics as Vectors of Plasticizers: Leaching of Plastic Additives into Agricultural Systems. In: The Handbook of Environmental Chemistry. Springer, Berlin, Heidelberg. https://doi.org/10.1007/698_2026_1265

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Year: 2026

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29. 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

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Year: 2026

30. 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

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31. 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

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Year: 2026

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33. 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

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34. 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

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35. 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

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37. 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

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38. 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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39. 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

40. 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

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43. 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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45. 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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47. 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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48. 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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Year: 2026

50. 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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#8 — Factors Affecting Nitrogen Use Efficiency (NUE): Meta Analysis

Journal: Türkiye Tarımsal Araştırmalar Dergisi

Year: 2023 • **Published:** 2023-07-31

DOI: 10.19159/tutad.1260531

Details: Vol. 10 • Issue 2 • Pages 231-242

Citations: 14

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