

# Occurrence of perfluoroalkyl substances (PFAS) in garden soil: a reflection of the history of PFAS-contaminated drinking water

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Citation Report

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Per- and polyfluoroalkyl substances (PFASs) in water, soil and plants in wetlands and agricultural areas in Kampala, Uganda. <i>Science of the Total Environment</i> , 2018, 631-632, 660-667.   | 3.9 | 150       |
| 2  | Quantitative determination of perfluoroalkyl substances (PFAS) in soil, water, and home garden produce. <i>MethodsX</i> , 2018, 5, 697-704.  | 0.7 | 28        |
| 3  | Investigating recycled water use as a diffuse source of per- and polyfluoroalkyl substances (PFASs) to groundwater in Melbourne, Australia. <i>Science of the Total Environment</i> , 2018, 644, 1409-1417.                                    | 3.9 | 70        |
| 4  | Per- and polyfluoroalkyl substances (PFASs) in drinking water: Current state of the science. <i>Current Opinion in Environmental Science and Health</i> , 2019, 7, 8-12.   | 2.1 | 34        |
| 5  | Per- and polyfluoroalkyl substances in commercially available biosolid-based products: The effect of treatment processes. <i>Water Environment Research</i> , 2019, 91, 1669-1677.   | 1.3 | 31        |
| 6  | Distribution of eight perfluoroalkyl acids in plant-soil-water systems and their effect on the soil microbial community. <i>Science of the Total Environment</i> , 2019, 697, 134146.  | 3.9 | 53        |
| 7  | Risks of Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS) for Sustainable Water Recycling via Aquifers. <i>Water (Switzerland)</i> , 2019, 11, 1737.   | 1.2 | 23        |
| 8  | Perfluoroalkyl substances in the Maltese environment (II) sediments, soils and groundwater. <i>Science of the Total Environment</i> , 2019, 682, 180-189.  | 3.9 | 34        |
| 9  | Removal of perfluoroalkyl acids (PFAAs) through fluorochemical industrial and domestic wastewater treatment plants and bioaccumulation in aquatic plants in river and artificial wetland. <i>Environment International</i> , 2019, 129, 76-85. | 4.8 | 52        |
| 10 | Occurrence of perfluorinated compounds in agricultural environment, vegetables, and fruits in regions influenced by a fluorine-chemical industrial park in China. <i>Chemosphere</i> , 2019, 225, 659-667.                                     | 4.2 | 59        |
| 11 | The PFOA substitute GenX detected in the environment near a fluoropolymer manufacturing plant in the Netherlands. <i>Chemosphere</i> , 2019, 220, 493-500.   | 4.2 | 118       |
| 12 | The overlooked short- and ultrashort-chain poly- and perfluorinated substances: A review. <i>Chemosphere</i> , 2019, 220, 866-882.   | 4.2 | 287       |
| 13 | Perfluoroalkyl substances in groundwater and home-produced vegetables and eggs around a fluorochemical industrial park in China. <i>Ecotoxicology and Environmental Safety</i> , 2019, 171, 199-205.   | 2.9 | 98        |
| 14 | Does soil track-in contribute to house dust concentrations of perfluoroalkyl acids (PFAAs) in areas affected by soil or water contamination?. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2019, 29, 218-226.           | 1.8 | 6         |
| 15 | Concentration and distribution of per- and polyfluoroalkyl substances (PFAS) in the Asan Lake area of South Korea. <i>Journal of Hazardous Materials</i> , 2020, 381, 120909.  | 6.5 | 109       |
| 16 | Electrooxidation of short and long chain perfluorocarboxylic acids using boron doped diamond electrodes. <i>Chemosphere</i> , 2020, 243, 125349.   | 4.2 | 55        |
| 17 | Water Analysis: Emerging Contaminants and Current Issues. <i>Analytical Chemistry</i> , 2020, 92, 473-505.   | 3.2 | 264       |
| 18 | Risk to human health related to the presence of perfluoroalkyl substances in food. <i>EFSA Journal</i> , 2020, 18, e06223.   | 0.9 | 255       |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Assessing Human Health Risks from Per- and Polyfluoroalkyl Substance (PFAS)-Impacted Vegetable Consumption: A Tiered Modeling Approach. <i>Environmental Science &amp; Technology</i> , 2020, 54, 15202-15214.  | 4.6 | 57        |
| 20 | Influence of Perfluorobutanoic Acid (PFBA) on the Developmental Cycle and Damage Potential of the Beet Armyworm <i>Spodoptera exigua</i> (Hübner) (Insecta: Lepidoptera: Noctuidae). <i>Archives of Environmental Contamination and Toxicology</i> , 2020, 79, 500-507. | 2.1 | 8         |
| 21 | A Review of the Applications, Environmental Release, and Remediation Technologies of Per- and Polyfluoroalkyl Substances. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 8117.  | 1.2 | 77        |
| 22 | Per- and polyfluoroalkyl substances in soil and sediments: Occurrence, fate, remediation and future outlook. <i>Science of the Total Environment</i> , 2020, 748, 141251.   | 3.9 | 75        |
| 23 | Uptake and accumulation of per- and polyfluoroalkyl substances in plants. <i>Chemosphere</i> , 2020, 261, 127584.   | 4.2 | 80        |
| 24 | Transfer of Per- and Polyfluoroalkyl Substances (PFAS) from Feed into the Eggs of Laying Hens. Part 1: Analytical Results Including a Modified Total Oxidizable Precursor Assay. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 12527-12538.             | 2.4 | 46        |
| 25 | Beyond the Light under the Lamp: New Chemical Candidates for Biomonitoring in Young Children. <i>Environmental Health Perspectives</i> , 2020, 128, 84005.  | 2.8 | 2         |
| 26 | A critical literature review on biosolids to biochar: an alternative biosolids management option. <i>Reviews in Environmental Science and Biotechnology</i> , 2020, 19, 807-841.  | 3.9 | 49        |
| 27 | Destruction of Perfluoroalkyl Acids Accumulated in <i>Typha latifolia</i> through Hydrothermal Liquefaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 9257-9262.   | 3.2 | 31        |
| 28 | Bioaccumulation of perfluoroalkyl substances in greenhouse vegetables with long-term groundwater irrigation near fluorochemical plants in Fuxin, China. <i>Environmental Research</i> , 2020, 188, 109751.  | 3.7 | 44        |
| 29 | PFAS concentrations in soils: Background levels versus contaminated sites. <i>Science of the Total Environment</i> , 2020, 740, 140017.   | 3.9 | 326       |
| 30 | Environment occurrence of perfluoroalkyl acids and associated human health risks near a major fluorochemical manufacturing park in southwest of China. <i>Journal of Hazardous Materials</i> , 2020, 396, 122617.   | 6.5 | 28        |
| 31 | Metabolic regulations in lettuce root under combined exposure to perfluorooctanoic acid and perfluorooctane sulfonate in hydroponic media. <i>Science of the Total Environment</i> , 2020, 726, 138382.   | 3.9 | 23        |
| 32 | Polymer-assisted modification of metal-organic framework MIL-96 (Al): influence of HPAM concentration on particle size, crystal morphology and removal of harmful environmental pollutant PFOA. <i>Chemosphere</i> , 2021, 262, 128072.                                 | 4.2 | 26        |
| 33 | Suggestions for Improving the Characterization of Risk from Exposures to Per and Polyfluorinated Alkyl Substances. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 871-886.   | 2.2 | 5         |
| 34 | Per- and polyfluoroalkyl substances (PFASs) in contaminated coastal marine waters of the Saudi Arabian Red Sea: a baseline study. <i>Environmental Science and Pollution Research</i> , 2021, 28, 2791-2803.  | 2.7 | 22        |
| 35 | Isomers of emerging per- and polyfluoroalkyl substances in water and sediment from the Cape Fear River, North Carolina, USA. <i>Chemosphere</i> , 2021, 262, 128359.  | 4.2 | 13        |
| 36 | Determination of perfluoroalkyl acids in different tissues of graminaceous plants. <i>Analytical Methods</i> , 2021, 13, 1643-1650.   | 1.3 | 4         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Regulating PFAS as a Chemical Class under the California Safer Consumer Products Program. <i>Environmental Health Perspectives</i> , 2021, 129, 25001.  | 2.8 | 37        |
| 38 | Per- and polyfluoroalkyl substances and their alternatives in paper food packaging. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2021, 20, 2596-2625.   | 5.9 | 55        |
| 39 | A review of chemical and microbial contamination in food: What are the threats to a circular food system?. <i>Environmental Research</i> , 2021, 194, 110635.   | 3.7 | 55        |
| 40 | Fate and transport of per- and polyfluoroalkyl substances (PFASs) in the vadose zone. <i>Science of the Total Environment</i> , 2021, 771, 145427.  | 3.9 | 69        |
| 41 | How To Prepare for the Unexpected: a Public Health Laboratory Response. <i>Clinical Microbiology Reviews</i> , 2021, 34, .  | 5.7 | 0         |
| 42 | A review of the occurrence, transformation, and removal of poly- and perfluoroalkyl substances (PFAS) in wastewater treatment plants. <i>Water Research</i> , 2021, 199, 117187.  | 5.3 | 233       |
| 43 | A Critical Review of Challenges Faced by Converting Food Waste to Bioenergy Through Anaerobic Digestion and Hydrothermal Liquefaction. <i>Waste and Biomass Valorization</i> , 2022, 13, 781-796.                                 | 1.8 | 8         |
| 45 | Interactions between <i>Lemna minor</i> (common duckweed) and PFAS intermediates: Perfluorooctanesulfonamide (PFOSA) and 6:2 fluorotelomer sulfonate (6:2 FTSA). <i>Chemosphere</i> , 2021, 276, 130165.                          | 4.2 | 5         |
| 46 | Analysis of per- and poly-fluoroalkyl substances (PFAS) in processed foods from FDA's Total Diet Study. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 1189-1199.   | 1.9 | 25        |
| 47 | Natural and engineered clays and clay minerals for the removal of poly- and perfluoroalkyl substances from water: State-of-the-art and future perspectives. <i>Advances in Colloid and Interface Science</i> , 2021, 297, 102537. | 7.0 | 51        |
| 48 | Fate and budget of poly- and perfluoroalkyl substances in three common garden plants after experimental additions with contaminated river water. <i>Environmental Pollution</i> , 2021, 285, 117115.                              | 3.7 | 6         |
| 49 | Predicting the relationship between PFAS component signatures in water and non-water phases through mathematical transformation: Application to machine learning classification. <i>Chemosphere</i> , 2021, 282, 131097.          | 4.2 | 8         |
| 50 | Degradation and Defluorination of Aqueous Perfluorooctane Sulfonate by Silica-Based Granular Media Using Batch Reactors. <i>Journal of Environmental Engineering, ASCE</i> , 2021, 147, .   | 0.7 | 3         |
| 51 | A review of responses of terrestrial organisms to perfluorinated compounds. <i>Science of the Total Environment</i> , 2021, 793, 148565.  | 3.9 | 31        |
| 52 | Exposure routes, bioaccumulation and toxic effects of per- and polyfluoroalkyl substances (PFASs) on plants: A critical review. <i>Environment International</i> , 2022, 158, 106891.   | 4.8 | 53        |
| 53 | Ticks as novel sentinels to monitor environmental levels of per- and polyfluoroalkyl substances (PFAS). <i>Environmental Sciences: Processes and Impacts</i> , 2021, 23, 1301-1307.   | 1.7 | 0         |
| 54 | Sources, Fate, and Plant Uptake in Agricultural Systems of Per- and Polyfluoroalkyl Substances. <i>Current Pollution Reports</i> , 0, , 1.  | 3.1 | 53        |
| 55 | Uptake of perfluorooctane sulfonate (PFOS) by common home-grown vegetable plants and potential risks to human health. <i>Environmental Technology and Innovation</i> , 2020, 19, 100863.  | 3.0 | 15        |



| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 74 | Targeted Analysis and Total Oxidizable Precursor Assay of Several Insecticides for Pfas. SSRN Electronic Journal, 0, , .  | 0.4 | 0         |
| 75 | Review of food safety hazards in circular food systems in Europe. Food Research International, 2022, 158, 111505.   | 2.9 | 23        |
| 76 | Vermont-wide assessment of anthropogenic background concentrations of perfluoroalkyl substances in surface soils. Journal of Hazardous Materials, 2022, 438, 129479.  | 6.5 | 6         |
| 77 | Occurrence and Distribution of Per- and Polyfluoroalkyl Substances from Multi-Industry Sources to Water, Sediments and Plants along Nairobi River Basin, Kenya. International Journal of Environmental Research and Public Health, 2022, 19, 8980.                      | 1.2 | 6         |
| 78 | Spatiotemporal patterns of PFAS in water and crop tissue at a beneficial wastewater reuse site in central Pennsylvania. Journal of Environmental Quality, 2022, 51, 1282-1297.  | 1.0 | 6         |
| 79 | Targeted analysis and Total Oxidizable Precursor assay of several insecticides for PFAS. Journal of Hazardous Materials Letters, 2022, 3, 100067.   | 2.0 | 11        |
| 80 | Assessing Potential Perfluoroalkyl Substances (PFAS) Trophic Transfer to Crickets ( <i>Acheta</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 502  | 2.2 | 1         |
| 81 | Spatial distribution, compositional profile, sources, ecological and human health risks of legacy and emerging per- and polyfluoroalkyl substances (PFASs) in freshwater reservoirs of Punjab, Pakistan. Science of the Total Environment, 2023, 856, 159144.           | 3.9 | 9         |
| 82 | Uptake of per- and polyfluoroalkyl substances (PFAS) by soybean across two generations. Journal of Hazardous Materials Advances, 2022, 8, 100170.   | 1.2 | 0         |
| 83 | Assessment of unique behavioral, morphological, and molecular alterations in the comparative developmental toxicity profiles of PFOA, PFHxA, and PFBA using the zebrafish model system. Environment International, 2022, 170, 107642.                                   | 4.8 | 11        |
| 84 | Critical review on phytoremediation of polyfluoroalkyl substances from environmental matrices: Need for global concern. Environmental Research, 2023, 217, 114844.  | 3.7 | 17        |
| 85 | Behavioural, developmental and reproductive toxicological impacts of perfluorobutanoic acid (PFBA) in <i>Caenorhabditis elegans</i> . Environmental Challenges, 2023, 10, 100662.   | 2.0 | 2         |
| 86 | Uptake, accumulation, and toxicity of per- and polyfluoroalkyl substances in <i>Allium cepa</i> grown in soils amended with biosolids. Environmental Challenges, 2022, , 100670.  | 2.0 | 0         |
| 87 | Mobilization of Per- and Polyfluoroalkyl Substances (PFAS) in Soils: A Review. Current Pollution Reports, 2022, 8, 422-444.   | 3.1 | 5         |
| 88 | PFASs in Soil: How They Threaten Human Health through Multiple Pathways and Whether They Are Receiving Adequate Concern. Journal of Agricultural and Food Chemistry, 2023, 71, 1259-1275.   | 2.4 | 4         |
| 89 | Influence of microbial weathering on the partitioning of per- and polyfluoroalkyl substances (PFAS) in biosolids. Environmental Sciences: Processes and Impacts, 0, , .   | 1.7 | 0         |
| 90 | Perfluoroalkyl and polyfluoroalkyl substances (PFAS) adsorbed on microplastics in drinking water: Implications for female exposure, reproductive health risk and its mitigation strategies through in silico methods. Journal of Cleaner Production, 2023, 391, 136191. | 4.6 | 7         |
| 91 | Exposure of children and adolescents from Northeastern Slovenia to per- and polyfluoroalkyl substances. Chemosphere, 2023, 321, 138096.   | 4.2 | 0         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 92  | Unwanted Ingredientsâ€™ Highly Specific and Sensitive Method for the Extraction and Quantification of PFAS in Everyday Foods. Food Analytical Methods, 2023, 16, 857-866. | 1.3 | 1         |
| 97  | Evaluating the Comprehensive Effects of PFAAs Emitted from the Fluorochemical Industry. , 2023, , 259-334.  |     | 0         |
| 118 | Environmental occurrence of industrial endocrine disrupting chemicals. , 2024, , 169-221.   |     | 0         |