

Wastewater treatment plants as a pathway for microplastics approach to sample wastewater-based microplastics

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Synthetic fibers as microplastics in the marine environment: A review from textile perspective with a focus on domestic washings. <i>Science of the Total Environment</i> , 2017, 598, 1116-1129.	3.9	489
3	Impact of Microplastic Beads and Fibers on Waterflea (<i>Ceriodaphnia dubia</i>) Survival, Growth, and Reproduction: Implications of Single and Mixture Exposures. <i>Environmental Science & Technology</i> , 2017, 51, 13397-13406.	4.6	312
4	Wastewater treatment plant effluents as source of cosmetic polyethylene microbeads to freshwater. <i>Chemosphere</i> , 2017, 188, 25-31.	4.2	205
5	Solutions to microplastic pollution – Removal of microplastics from wastewater effluent with advanced wastewater treatment technologies. <i>Water Research</i> , 2017, 123, 401-407.	5.3	889
7	Plastic pollutants in water environment. <i>Ochrona Srodowiska I Zasobow Naturalnych</i> , 2017, 28, 51-55.	0.4	13
8	Role of extracellular polymeric substances in the acute inhibition of activated sludge by polystyrene nanoparticles. <i>Environmental Pollution</i> , 2018, 238, 859-865.	3.7	105
9	Occurrence, identification and removal of microplastic particles and fibers in conventional activated sludge process and advanced MBR technology. <i>Water Research</i> , 2018, 133, 236-246.	5.3	781
10	Effects of inorganic ions and natural organic matter on the aggregation of nanoplastics. <i>Chemosphere</i> , 2018, 197, 142-151.	4.2	174
11	Microplastics from Wastewater Treatment Plants – Preliminary Data. <i>Springer Water</i> , 2018, , 53-57.	0.2	2
12	Microplastics in wastewater: State of the knowledge on sources, fate and solutions. <i>Marine Pollution Bulletin</i> , 2018, 129, 262-265.	2.3	257
13	Application of an enzyme digestion method reveals microlitter in <i>Mytilus trossulus</i> at a wastewater discharge area. <i>Marine Pollution Bulletin</i> , 2018, 130, 206-214.	2.3	56
14	Environmentally relevant concentrations of polyethylene microplastics negatively impact the survival, growth and emergence of sediment-dwelling invertebrates. <i>Environmental Pollution</i> , 2018, 236, 425-431.	3.7	218
15	Evaluation of microplastic release caused by textile washing processes of synthetic fabrics. <i>Environmental Pollution</i> , 2018, 236, 916-925.	3.7	439
16	How Valuable Are Organic Amendments as Tools for the Phytomanagement of Degraded Soils? The Knowns, Known Unknowns, and Unknowns. <i>Frontiers in Sustainable Food Systems</i> , 2018, 2, .	1.8	58
17	Pollution characteristics and fate of microfibers in the wastewater from textile dyeing wastewater treatment plant. <i>Water Science and Technology</i> , 2018, 78, 2046-2054.	1.2	66
18	Occurrence of microplastics in municipal sewage treatment plants: a review. <i>Environmental Health and Toxicology</i> , 2018, 33, e2018013.	1.8	67
19	Microplastics in municipal wastewater treatment plants in Turkey: a comparison of the influent and secondary effluent concentrations. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 626.	1.3	176
20	Transport and fate of microplastics in wastewater treatment plants: implications to environmental health. <i>Reviews in Environmental Science and Biotechnology</i> , 2018, 17, 637-653.	3.9	110

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21	Ingestion of plastic by fish: A comparison of Thames Estuary and Firth of Clyde populations. <i>Marine Pollution Bulletin</i> , 2018, 137, 12-23.	2.3	34
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25	Exploration of microplastics from personal care and cosmetic products and its estimated emissions to marine environment: An evidence from Malaysia. <i>Marine Pollution Bulletin</i> , 2018, 136, 135-140.	2.3	132
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28	Questionnaire-based survey to managers of 101 wastewater treatment plants in Greece confirms their potential as plastic marine litter sources. <i>Marine Pollution Bulletin</i> , 2018, 133, 822-827.	2.3	26
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30	Occurrence and Fate of Microplastics in Wastewater Treatment Plants. , 2018, , 317-338.		13
31	Pectin based finishing to mitigate the impact of microplastics released by polyamide fabrics. <i>Carbohydrate Polymers</i> , 2018, 198, 175-180.	5.1	59
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40	Characterisation of "flushable" and "non-flushable" commercial wet wipes using microRaman, FTIR spectroscopy and fluorescence microscopy: to flush or not to flush. <i>Environmental Science and Pollution Research</i> , 2018, 25, 20268-20279.	2.7	39
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43	A new approach for routine quantification of microplastics using Nile Red and automated software (MP-VAT). <i>Science of the Total Environment</i> , 2019, 690, 1277-1283.	3.9	149
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48	Microplastics in the wastewater treatment plants (WWTPs): Occurrence and removal. <i>Chemosphere</i> , 2019, 235, 1089-1096.	4.2	140
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54	Microplastic biofilm in fresh- and wastewater as a function of microparticle type and size class. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 495-505.	1.2	97
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56	Nano/microplastics in water and wastewater treatment processes " Origin, impact and potential solutions. <i>Water Research</i> , 2019, 161, 621-638.	5.3	372
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75	Current research trends on microplastic pollution from wastewater systems: a critical review. <i>Reviews in Environmental Science and Biotechnology</i> , 2019, 18, 207-230.	3.9	103

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97	Development and testing of a fractionated filtration for sampling of microplastics in water. <i>Water Research</i> , 2019, 149, 650-658.	5.3	65
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126	The effect of microplastics pollution in microalgal biomass production: A biochemical study. Water Research, 2020, 186, 116370.	5.3	35
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131	Filtration of microplastic spheres by biochar: removal efficiency and immobilisation mechanisms. <i>Water Research</i> , 2020, 184, 116165.	5.3	202
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150	A Critical Review of Extraction and Identification Methods of Microplastics in Wastewater and Drinking Water. <i>Environmental Science & Technology</i> , 2020, 54, 7037-7049.	4.6	121
151	Insights into the microbial response of anaerobic granular sludge during long-term exposure to polyethylene terephthalate microplastics. <i>Water Research</i> , 2020, 179, 115898.	5.3	96
152	Litter in alien species of possible commercial interest: The blue crab (<i>Callinectes sapidus</i> Rathbun.) <i>Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50</i>	2.3	23
153	Membrane bioreactor and rapid sand filtration for the removal of microplastics in an urban wastewater treatment plant. <i>Marine Pollution Bulletin</i> , 2020, 156, 111211.	2.3	154
154	Microplastics from effluents of sewage treatment works and stormwater discharging into the Victoria Harbor, Hong Kong. <i>Marine Pollution Bulletin</i> , 2020, 157, 111181.	2.3	74
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157	A transition from conventional irrigation to fertigation with reclaimed wastewater: Prospects and challenges. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 130, 109959.	8.2	83
158	The role of wet wipes and sanitary towels as a source of white microplastic fibres in the marine environment. <i>Water Research</i> , 2020, 182, 116021.	5.3	99
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