

REMOVAL								
S.No.	Author	Title	Year	Journal	Vol	Number	Article No.	DOI
1	E. E. Burns and A. B. A. Boxall	Microplastics in the Aquatic Environment: Evidence for or Against Adverse Impacts and Major Knowledge Gaps	2018	Environmental Toxicology and Chemistry	37	11	2776	10.1002/etc.4268
2	Singh S., Kalyanasundaram M., Diwan V.	Removal of microplastics from wastewater: available techniques and way forward	2022	Water Science & Technology	84	12	3689	10.2166/wst.2021.472
3	Sun Y., Yuan J., Zhou T., Zhao Y., Yu F., Ma J.	Laboratory simulation of microplastics weathering and its adsorption behaviors in an aqueous environment: A systematic review	2020	Environmental Pollution	265		114864	10.1016/j.envpol.2020.114864
4	Sun H., Moon J., Kim H., Lee J.Y.	Modeling and Parametric Simulation of Microplastic Transport in Groundwater Environments	2021	Applied Sciences	11	16	7189	10.3390/app11167189
5	Beladi S., Hermanová S., Ying Y., Plutnar J., Pumera M.	A Maze in Plastic Wastes: Autonomous Motile Photocatalytic Microrobots against Microplastics	2021	Applied Materials & Interfaces	13	21		10.1021/acsami.1c04559
6	Lian H., Ji Y., Ge W., Wu J., Song N., Yin Z., Chai C.	Release kinetics of microplastics from disposable face masks into the aqueous environment	2021	Science of the Total Environment	816		151650	10.1016/j.scitotenv.2021.151650
7	Badola N., Bahuguna A., Sasson Y., Singh J.	Microplastics removal strategies: A step toward finding the solution	2021	Frontiers of Environmental Science & Engineering	16	1		10.1007/s11783-021-1441-3
8	Wang L., Kaeppler A., Fischer D., Simmchen J.	Photocatalytic TiO ₂ Micromotors for Removal of Microplastics and Suspended Matter	2019	Applied Materials & Interfaces	11	36		10.1021/acsami.9b06128
9	Xue J., Samaei S., Chen J., Doucet A., Tsun K.	What have we known so far about microplastics in drinking water treatment? A timely review	2022	Frontiers of Environmental Science & Engineering	16	5		10.1007/s11783-021-1492-5
10	Espinoza J., Ordoñez J., Castañeda C., Benites E.	Environmental Biotechnology: Biodegradation of Microplastics with Larvae of Tenebrio Molitor and Galleria Mellonella	2022	Chemical Engineering Transactions	93		293032	10.3303/CET2293032
11	Cunha C, Silva L., Paulo J., Faria M., Nogueira N., Cordeiro N	Microalgal-based biopolymer for nano- and microplastic removal: a possible biosolution for wastewater treatment	2020	Environmental Pollution	263		114385	10.1016/j.envpol.2020.114385
12	Sol D., Laca A., Laca A., Díaz M.	Microplastics in Wastewater and Drinking Water Treatment Plants: Occurrence and Removal of Microfibres	2021	Applied Sciences	11	21	10109	10.3390/app112110109
13	Pivokonsky, M., Cermakova, L., Novotna, K., Peer, P., Cajthaml, T., Janda, V.	Microplastics: new methods needed to filter tiny particles from drinking water	2018	Science of the Total Environment	643			10.1016/j.scitotenv.2018.08.102
14	Shen M., Zhang Y., Almatrafi E., Hu T., Zhou C., Song B., Zeng Z., Zeng G.	Efficient removal of microplastics from wastewater by an electrocoagulation process	2021	Chemical Engineering Journal	428		131161	10.1016/j.cej.2021.131161
15	Kim K., Park S.	Enhancing Microplastics Removal from Wastewater Using Electro-Coagulation and Granule-Activated Carbon with Thermal Regeneration	2021	Processes	9		617	10.3390/pr9040617
16	Krystynik P., Strunakova K., Syc M., Kluson P.	Notes on Common Misconceptions in Microplastics Removal from Water	2021	Applied Sciences	11		5833	10.3390/app11135833
17	Perren W., Wojtasik A., Cai Q.	Removal of Microbeads from Wastewater Using Electrocoagulation	2018	American Chemical Society Omega	3			10.1021/acsomega.7b02037
18	Schrank I., Möller J., Imhof H., Hauenstein O., Zielke F., Agarwal S., Löder M., Greiner A., Laforsch C.	Microplastic sample purification methods - Assessing detrimental effects of purification procedures on specific plastic types	2022	Science of the Total Environment	833		154824	10.1016/j.scitotenv.2022.154824

19	Park J., Lee S., Hwang D., Seo S.	Recent Purification Technologies and Human Health Risk Assessment of Microplastics	2020	Materials	13		5196	10.3390/ma13225196
20	T. U. Rahman et al.	The Advancement in Membrane Bioreactor (MBR) Technology toward Sustainable Industrial Wastewater Management	2023	Membranes	13	2		10.3390/membranes13020181
21	Zhang Z., Chen Y.	Effects of microplastics on wastewater and sewage sludge treatment and their removal: A review	2019	Chemical Engineering Journal	382		122955	10.1016/j.cej.2019.122955
22	Nizeyimara J., Lin S., Junaid K., Wu Y., Han D., Liu X.	Waste tea residue adsorption coupled with electrocoagulation for improvement of copper and nickel ions removal from simulated wastewater	2022	Scientific Reports	12	3519		10.1038/s41598-022-07475-y
23	T. K. Dey, E. Uddin, and M. Jamal	Detection and removal of microplastics in wastewater: evolution and impact	2021	Environmental Science and Pollution Research	28	14	16925	10.1007/s11356-021-12943-5
24	F. H. Saboor, S. Hadian-Ghazvini, and M. Torkashvand	Microplastics in Aquatic Environments: Recent Advances in Separation Techniques	2022	Periodica Polytechnica Chemical Engineering	66	2		10.3311/PPCh.18930
25	Masia P., Sol D., Ardura A., Laca A., Borrell Y., Dopico E., Laca A., Machado G., Diaz M., Garcia F.	Bioremediation as a promising strategy for microplastics removal in wastewater treatment plants	2020	Marine Pollution Bulletin	156		111252	10.1016/j.marpolbul.2020.111252
26	Elkhatib D., Oyanedel V., Carissimi E.	Electrocoagulation applied for the removal of microplastics from wastewater treatment facilities	2021	Separation and Purification Technology	276		118877	10.1016/j.seppur.2021.118877
27	Sharma L., Prabhakar S., Tiwari V., Dhar A., Halder A.	Optimization of EC parameters using Fe and Al electrodes for hydrogen production and wastewater treatment	2020	Environmental Advances	3		100029	10.1016/j.envadv.2020.100029
28	E. Wisniewska and K. Kowalczyk	Recovery of Cellulose, Extracellular Polymeric Substances and Microplastics from Sewage Sludge: A Review	2022	Energies	15	20	7744	10.3390/en15207744
29	Padervand M., Lichtfouse E., Robert D., Wang C.	Removal of microplastics from the environment. A review	2020	Environmental Chemistry Letters	18	3		10.1007/s10311-020-00983-1
30	Misra A., Zambrzycki C., Kloker G., Kotyba A., Anjass M., Franco I., Mitchell S., Güttel R., Streh C.	Water Purification and Microplastics Removal Using Magnetic Polyoxometalate-Supported Ionic Liquid Phases (magPOM-SILPs)	2020	Communications	59			10.1002/anie.201912111
31	Hooriabad F., Hadian S., Torkashvand M.	Microplastics in Aquatic Environments: Recent Advances in Separation Techniques	2022	Periodica Polytechnica Chemical Engineering	66	2		10.3311/PPCh.18930
32	Yang L., Li K., Cui S., Kang Y., An L., Lei K.	Removal of microplastics in municipal sewage from China's largest water reclamation plant	2019	Water Research	155			10.1016/j.watres.2019.02.046
33	Grbic J., Nguyen B., Guo E., You J., Sinton D., Rochman C.	Magnetic Extraction of Microplastics from Environmental Samples	2019	Environmental Science & Technology Letters	6			10.1021/acs.estlett.8b00671
34	M. Elisabetta, E. Temporiti, L. Nicola, E. Nielsen, and S. Tosi	Fungal Enzymes Involved in Plastics Biodegradation	2022	Microorganisms	10	6	1180	10.3390/microorganisms10061180
35	Lares M., Ncibi M., Sillanpää M., Sillanpää M.	Occurrence, identification and removal of microplastic particles and fibers in conventional activated sludge process and advanced MBR technology	2018	Water Research	133			10.1016/j.watres.2018.01.049
36	G. Cletus et al.	Fungal biodegradation of low-density polyethylene using consortium of Aspergillus species under controlled conditions	2021	Heliyon	7			10.1016/j.heliyon.2021.e07008
37	Bayo J., López J., Olmos S.	Membrane bioreactor and rapid sand filtration for the removal of microplastics in an urban wastewater treatment plant	2020	Marine Pollution Bulletin	156		111211	10.1016/j.marpolbul.2020.111211

38	Ma B., Xue W., Ding Y., Hu C., Liu H., Qu J.	Removal characteristics of microplastics by Fe-based coagulants during drinking water treatment	2018	Journal of Environmental Sciences	78			10.1016/j.jes.2018.10.006
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