

# Occurrence and distribution of microplastics in marine

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Citation Report

#	ARTICLE	IF	CITATIONS
5	Microplastics as contaminants in the marine environment: A review. <i>Marine Pollution Bulletin</i> , 2011, 62, 2588-2597.	2.3	3,896
6	Effects of Pollution on Marine Organisms. <i>Water Environment Research</i> , 2012, 84, 1737-1823.	1.3	7
7	A novel, highly efficient method for the separation and quantification of plastic particles in sediments of aquatic environments. <i>Limnology and Oceanography: Methods</i> , 2012, 10, 524-537.	1.0	468
8	Plastics in the Marine Environment: The Dark Side of a Modern Gift. <i>Reviews of Environmental Contamination and Toxicology</i> , 2012, 220, 1-44.	0.7	174
9	Microplastics in the Marine Environment: A Review of the Methods Used for Identification and Quantification. <i>Environmental Science &amp; Technology</i> , 2012, 46, 3060-3075.	4.6	3,396
10	Microplastics in Beaches of the East Frisian Islands Spiekeroog and Kachelotplate. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2012, 89, 213-217.	1.3	293
11	The applicability of reflectance micro-Fourier-transform infrared spectroscopy for the detection of synthetic microplastics in marine sediments. <i>Science of the Total Environment</i> , 2012, 416, 455-463.	3.9	265
12	The physical impacts of microplastics on marine organisms: A review. <i>Environmental Pollution</i> , 2013, 178, 483-492.	3.7	2,920
13	Distribution of small plastic debris in cross-section and high strandline on Heungnam beach, South Korea. <i>Ocean Science Journal</i> , 2013, 48, 225-233.	0.6	169
14	New techniques for the detection of microplastics in sediments and field collected organisms. <i>Marine Pollution Bulletin</i> , 2013, 70, 227-233.	2.3	726
15	Relationships among the abundances of plastic debris in different size classes on beaches in South Korea. <i>Marine Pollution Bulletin</i> , 2013, 77, 349-354.	2.3	324
16	Microplastic pollution in deep-sea sediments. <i>Environmental Pollution</i> , 2013, 182, 495-499.	3.7	1,147
17	Identification of polymer types and additives in marine microplastic particles using pyrolysis-GC/MS and scanning electron microscopy. <i>Environmental Sciences: Processes and Impacts</i> , 2013, 15, 1949.	1.7	563
18	Effects of Microplastic on Fitness and PCB Bioaccumulation by the Lugworm <i>Arenicola marina</i> (L.). <i>Environmental Science &amp; Technology</i> , 2013, 47, 593-600.	4.6	797
19	Suspended Microplastics and Black Carbon Particles in the Jade System, Southern North Sea. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	1.1	302
20	Polycyclic aromatic hydrocarbons (PAHs) in plastic pellets: Variability in the concentration and composition at different sediment depths in a sandy beach. <i>Marine Pollution Bulletin</i> , 2013, 70, 219-226.	2.3	131
21	Microplastic particles in sediments of Lagoon of Venice, Italy: First observations on occurrence, spatial patterns and identification. <i>Estuarine, Coastal and Shelf Science</i> , 2013, 130, 54-61.	0.9	801
22	Assessment of marine debris on the Belgian Continental Shelf. <i>Marine Pollution Bulletin</i> , 2013, 73, 161-169.	2.3	163

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23	Microplastic Ingestion by Zooplankton. <i>Environmental Science &amp; Technology</i> , 2013, 47, 6646-6655.	4.6	1,921
24	Gooseneck barnacles ( <i>Lepas</i> spp.) ingest microplastic debris in the North Pacific Subtropical Gyre. <i>PeerJ</i> , 2013, 1, e184.	0.9	182
25	Modelled transport of benthic marine microplastic pollution in the Nazaré Canyon. <i>Biogeosciences</i> , 2013, 10, 7957-7970.	1.3	152
26	Rapid bacterial colonization of low-density polyethylene microplastics in coastal sediment microcosms. <i>BMC Microbiology</i> , 2014, 14, 232.	1.3	400
27	Sorption capacity of plastic debris for hydrophobic organic chemicals. <i>Science of the Total Environment</i> , 2014, 470-471, 1545-1552.	3.9	415
28	Enhanced desorption of persistent organic pollutants from microplastics under simulated physiological conditions. <i>Environmental Pollution</i> , 2014, 185, 16-23.	3.7	800
29	Leaching of plastic additives to marine organisms. <i>Environmental Pollution</i> , 2014, 187, 49-54.	3.7	359
30	A new analytical approach for monitoring microplastics in marine sediments. <i>Environmental Pollution</i> , 2014, 184, 161-169.	3.7	998
31	Occurrence and spatial distribution of microplastics in sediments from Norderney. <i>Environmental Pollution</i> , 2014, 186, 248-256.	3.7	469
32	Widespread distribution of microplastics in subsurface seawater in the NE Pacific Ocean. <i>Marine Pollution Bulletin</i> , 2014, 79, 94-99.	2.3	736
33	The present and future of microplastic pollution in the marine environment. <i>Environmental Pollution</i> , 2014, 185, 352-364.	3.7	1,158
34	Fate of Microplastics in the Marine Isopod <i>Idotea emarginata</i> . <i>Environmental Science &amp; Technology</i> , 2014, 48, 13451-13458.	4.6	240
35	Macrodebris and microplastics from beaches in Slovenia. <i>Marine Pollution Bulletin</i> , 2014, 89, 356-366.	2.3	339
36	Ingestion of Microplastic Has Limited Impact on a Marine Larva. <i>Environmental Science &amp; Technology</i> , 2014, 48, 1638-1645.	4.6	315
37	Assimilation of Polybrominated Diphenyl Ethers from Microplastics by the Marine Amphipod, <i>Allorchestes Compressa</i> . <i>Environmental Science &amp; Technology</i> , 2014, 48, 8127-8134.	4.6	413
38	Quality assessment of the blue mussel ( <i>Mytilus edulis</i> ): Comparison between commercial and wild types. <i>Marine Pollution Bulletin</i> , 2014, 85, 146-155.	2.3	562
39	Microplastics in freshwater ecosystems: what we know and what we need to know. <i>Environmental Sciences Europe</i> , 2014, 26, 12.	2.6	914
40	Microplastic fibers in the intertidal ecosystem surrounding Halifax Harbor, Nova Scotia. <i>Marine Pollution Bulletin</i> , 2014, 81, 69-79.	2.3	756

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42	Suspended microplastics in the surface water of the Yangtze Estuary System, China: First observations on occurrence, distribution. <i>Marine Pollution Bulletin</i> , 2014, 86, 562-568.	2.3	760
43	Microplastics in Singapore's coastal mangrove ecosystems. <i>Marine Pollution Bulletin</i> , 2014, 79, 278-283.	2.3	627
44	Annual variation in neustonic micro- and meso-plastic particles and zooplankton in the Bay of Calvi (Mediterranean-Corsica). <i>Marine Pollution Bulletin</i> , 2014, 79, 293-298.	2.3	220
45	Rivers as a source of marine litter – A study from the SE Pacific. <i>Marine Pollution Bulletin</i> , 2014, 82, 66-75.	2.3	350
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47	Responses of <i>Hyaella azteca</i> to acute and chronic microplastic exposures. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 2564-2572.	2.2	452
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51	Focal plane array detector-based micro-Fourier-transform infrared imaging for the analysis of microplastics in environmental samples. <i>Environmental Chemistry</i> , 2015, 12, 563.	0.7	414
52	Microplastics in freshwater systems: A review of the emerging threats, identification of knowledge gaps and prioritisation of research needs. <i>Water Research</i> , 2015, 75, 63-82.	5.3	1,836
53	Microplastics are taken up by mussels ( <i>Mytilus edulis</i> ) and lugworms ( <i>Arenicola marina</i> ) living in natural habitats. <i>Environmental Pollution</i> , 2015, 199, 10-17.	3.7	817
54	The amount and accumulation rate of plastic debris on marshes and beaches on the Georgia coast. <i>Marine Pollution Bulletin</i> , 2015, 91, 113-119.	2.3	17
55	Microplastic ingestion by scleractinian corals. <i>Marine Biology</i> , 2015, 162, 725-732.	0.7	417
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58	Marine plastic pollution: using community science to address a global problem. <i>Marine and Freshwater Research</i> , 2015, 66, 665.	0.7	31

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59	Microplastic concentrations in beach sediments along the German Baltic coast. <i>Marine Pollution Bulletin</i> , 2015, 99, 216-229.	2.3	365
60	Bacterial Community Profiling of Plastic Litter in the Belgian Part of the North Sea. <i>Environmental Science &amp; Technology</i> , 2015, 49, 9629-9638.	4.6	320
61	Characterisation, quantity and sorptive properties of microplastics extracted from cosmetics. <i>Marine Pollution Bulletin</i> , 2015, 99, 178-185.	2.3	635
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64	Microplastics in the Marine Environment: Distribution, Interactions and Effects. , 2015, , 245-307.		229
65	Microplastic contamination in brown shrimp ( <i>Crangon crangon</i> , Linnaeus 1758) from coastal waters of the Southern North Sea and Channel area. <i>Marine Pollution Bulletin</i> , 2015, 98, 179-187.	2.3	534
66	Potential Health Impact of Environmentally Released Micro- and Nanoplastics in the Human Food Production Chain: Experiences from Nanotoxicology. <i>Environmental Science &amp; Technology</i> , 2015, 49, 8932-8947.	4.6	810
67	Occurrence of microplastics in the coastal marine environment: First observation on sediment of China. <i>Marine Pollution Bulletin</i> , 2015, 98, 274-280.	2.3	254
68	Sources and Pathways of Microplastics to Habitats. , 2015, , 229-244.		115
69	The Contribution of Citizen Scientists to the Monitoring of Marine Litter. , 2015, , 429-447.		37
70	Global Distribution, Composition and Abundance of Marine Litter. , 2015, , 29-56.		250
71	Marine Anthropogenic Litter. , 2015, , .		411
72	Microplastics in sediments: A review of techniques, occurrence and effects. <i>Marine Environmental Research</i> , 2015, 111, 5-17.	1.1	824
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75	Using a forensic science approach to minimize environmental contamination and to identify microfibres in marine sediments. <i>Marine Pollution Bulletin</i> , 2015, 95, 40-46.	2.3	258
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78	Occurrence, relative abundance and spatial distribution of microplastics and zooplankton NW of Sardinia in the Pelagos Sanctuary Protected Area, Mediterranean Sea. <i>Environmental Chemistry</i> , 2015, 12, 618.	0.7	76
79	Plastic pollution in five urban estuaries of KwaZulu-Natal, South Africa. <i>Marine Pollution Bulletin</i> , 2015, 101, 473-480.	2.3	221
80	When Microplastic Is Not Plastic: The Ingestion of Artificial Cellulose Fibers by Macrofauna Living in Seagrass Macrophytodebris. <i>Environmental Science &amp; Technology</i> , 2015, 49, 11158-11166.	4.6	260
81	Ingestion of Nanoplastics and Microplastics by Pacific Oyster Larvae. <i>Environmental Science &amp; Technology</i> , 2015, 49, 14625-14632.	4.6	453
82	Ingestion of microplastics by commercial fish off the Portuguese coast. <i>Marine Pollution Bulletin</i> , 2015, 101, 119-126.	2.3	686
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86	Plastic pollution of the Kuril–Kamchatka Trench area (NW Pacific). <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2015, 111, 399-405.	0.6	170
87	Microplastics in the Marine Environment: Current Status, Assessment Methodologies, Impacts and Solutions. <i>Journal of Pollution Effects &amp; Control</i> , 2016, 04, .	0.1	22
88	Prevalence of microplastics in the marine waters of Qatar. <i>Marine Pollution Bulletin</i> , 2016, 111, 260-267.	2.3	145
89	Wastewater treatment plant effluent as a source of microplastics: review of the fate, chemical interactions and potential risks to aquatic organisms. <i>Water Science and Technology</i> , 2016, 74, 2253-2269.	1.2	238
90	Microplastics elutriation from sandy sediments: A granulometric approach. <i>Marine Pollution Bulletin</i> , 2016, 107, 315-323.	2.3	57
91	Synthetic shorelines in New Zealand? Quantification and characterisation of microplastic pollution on Canterbury's coastlines. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2016, 50, 317-325.	0.8	63
92	On some physical and dynamical properties of microplastic particles in marine environment. <i>Marine Pollution Bulletin</i> , 2016, 108, 105-112.	2.3	426
93	Wastewater Treatment Works (WwTW) as a Source of Microplastics in the Aquatic Environment. <i>Environmental Science &amp; Technology</i> , 2016, 50, 5800-5808.	4.6	1,320
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96	Understanding the Fragmentation Pattern of Marine Plastic Debris. <i>Environmental Science &amp; Technology</i> , 2016, 50, 5668-5675.	4.6	408
97	Extraction, enumeration and identification methods for monitoring microplastics in the environment. <i>Estuarine, Coastal and Shelf Science</i> , 2016, 176, 102-109.	0.9	231
98	High levels of microplastic ingestion by the semipelagic fish bogue <i>Boops boops</i> (L.) around the Balearic Islands. <i>Environmental Pollution</i> , 2016, 214, 517-523.	3.7	257
99	Environment and gut morphology influence microplastic retention in langoustine, <i>Nephrops norvegicus</i> . <i>Environmental Pollution</i> , 2016, 214, 859-865.	3.7	163
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101	A Procedure for Measuring Microplastics using Pressurized Fluid Extraction. <i>Environmental Science &amp; Technology</i> , 2016, 50, 5774-5780.	4.6	722
102	Microplastics in tourist beaches of Huatulco Bay, Pacific coast of southern Mexico. <i>Marine Pollution Bulletin</i> , 2016, 113, 530-535.	2.3	113
103	Suspended micro-sized PVC particles impair the performance and decrease survival in the Asian green mussel <i>Perna viridis</i> . <i>Marine Pollution Bulletin</i> , 2016, 111, 213-220.	2.3	146
104	Revealing accumulation zones of plastic pellets in sandy beaches. <i>Environmental Pollution</i> , 2016, 218, 313-321.	3.7	65
105	Plastic litter in sediments from a marine area likely to become protected (Aeolian Archipelago's) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 34	2.3	78
106	Standardized methods are required to assess and manage microplastic contamination of the Great Lakes system. <i>Journal of Great Lakes Research</i> , 2016, 42, 921-925.	0.8	19
107	Microplastic pollution in the Greenland Sea: Background levels and selective contamination of planktivorous diving seabirds. <i>Environmental Pollution</i> , 2016, 219, 1131-1139.	3.7	213
108	Microplastics in aquatic environments: Implications for Canadian ecosystems. <i>Environmental Pollution</i> , 2016, 218, 269-280.	3.7	396
109	Distribution and quantity of microplastic on sandy beaches along the northern coast of Taiwan. <i>Marine Pollution Bulletin</i> , 2016, 111, 126-135.	2.3	127
111	Sea surface microplastics in Slovenian part of the Northern Adriatic. <i>Marine Pollution Bulletin</i> , 2016, 113, 392-399.	2.3	94
112	A semi-automated Raman micro-spectroscopy method for morphological and chemical characterizations of microplastic litter. <i>Marine Pollution Bulletin</i> , 2016, 113, 461-468.	2.3	120
113	Identification and quantification of microplastics using Nile Red staining. <i>Marine Pollution Bulletin</i> , 2016, 113, 469-476.	2.3	388

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114	Polystyrene influences bacterial assemblages in <i>Arenicola marina</i> -populated aquatic environments in vitro. <i>Environmental Pollution</i> , 2016, 219, 219-227.	3.7	44
115	Ingestion of microplastics by demersal fish from the Spanish Atlantic and Mediterranean coasts. <i>Marine Pollution Bulletin</i> , 2016, 109, 55-60.	2.3	439
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117	Plastic waste in the marine environment: A review of sources, occurrence and effects. <i>Science of the Total Environment</i> , 2016, 566-567, 333-349.	3.9	1,059
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119	Microplastics in the Mediterranean Sea: Deposition in coastal shallow sediments, spatial variation and preferential grain size. <i>Marine Environmental Research</i> , 2016, 115, 1-10.	1.1	437
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121	The behaviors of microplastics in the marine environment. <i>Marine Environmental Research</i> , 2016, 113, 7-17.	1.1	543
122	Plastic ingestion by pelagic and demersal fish from the North Sea and Baltic Sea. <i>Marine Pollution Bulletin</i> , 2016, 102, 134-141.	2.3	470
123	Microplastics in the Terrestrial Ecosystem: Implications for <i>Lumbricus terrestris</i> (Oligochaeta). <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5</i>	4.6	844
124	Oyster reproduction is affected by exposure to polystyrene microplastics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 2430-2435.	3.3	1,253
125	Is there any consistency between the microplastics found in the field and those used in laboratory experiments?. <i>Environmental Pollution</i> , 2016, 211, 111-123.	3.7	392
126	Feeding type affects microplastic ingestion in a coastal invertebrate community. <i>Marine Pollution Bulletin</i> , 2016, 102, 95-101.	2.3	303
127	Microplastics in coastal sediments from Southern Portuguese shelf waters. <i>Marine Environmental Research</i> , 2016, 114, 24-30.	1.1	271
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131	Plastics and microplastics in the oceans: From emerging pollutants to emerged threat. <i>Marine Environmental Research</i> , 2017, 128, 2-11.	1.1	815



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133	Is the feeding type related with the content of microplastics in intertidal fish gut?. <i>Marine Pollution Bulletin</i> , 2017, 116, 498-500.	2.3	229
134	Wastewater treatment plants as a pathway for microplastics: Development of a new approach to sample wastewater-based microplastics. <i>Water Research</i> , 2017, 112, 93-99.	5.3	849
135	Microplastics en route: Field measurements in the Dutch river delta and Amsterdam canals, wastewater treatment plants, North Sea sediments and biota. <i>Environment International</i> , 2017, 101, 133-142.	4.8	792
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138	Sources and fate of microplastics in marine and beach sediments of the Southern Baltic Sea—a preliminary study. <i>Environmental Science and Pollution Research</i> , 2017, 24, 7650-7661.	2.7	229
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141	Microplastics in sediments of the Changjiang Estuary, China. <i>Environmental Pollution</i> , 2017, 225, 283-290.	3.7	528
142	Plastic litter in sediments from the coasts of south Tuscany (Tyrrhenian Sea). <i>Marine Pollution Bulletin</i> , 2017, 119, 372-375.	2.3	72
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144	The plastic in microplastics: A review. <i>Marine Pollution Bulletin</i> , 2017, 119, 12-22.	2.3	1,324
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149	Abundance and composition of near surface microplastics and plastic debris in the Stockholm Archipelago, Baltic Sea. <i>Marine Pollution Bulletin</i> , 2017, 120, 292-302.	2.3	181
150	Plastic debris in the Mediterranean Sea: Types, occurrence and distribution along Adriatic shorelines. <i>Waste Management</i> , 2017, 67, 385-391.	3.7	74

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152	Influence of environmental and anthropogenic factors on the composition, concentration and spatial distribution of microplastics: A case study of the Bay of Brest (Brittany, France). <i>Environmental Pollution</i> , 2017, 225, 211-222.	3.7	301
153	Microplastics Sampling and Sample Handling. <i>Comprehensive Analytical Chemistry</i> , 2017, 75, 25-47.	0.7	15
154	Do microplastic loads reflect the population demographics along the southern African coastline?. <i>Marine Pollution Bulletin</i> , 2017, 115, 115-119.	2.3	115
155	A review of analytical techniques for quantifying microplastics in sediments. <i>Analytical Methods</i> , 2017, 9, 1369-1383.	1.3	305
156	Efficient microplastics extraction from sand. A cost effective methodology based on sodium iodide recycling. <i>Marine Pollution Bulletin</i> , 2017, 115, 120-129.	2.3	59
157	Microplastic pollution in Vembanad Lake, Kerala, India: The first report of microplastics in lake and estuarine sediments in India. <i>Environmental Pollution</i> , 2017, 222, 315-322.	3.7	366
158	Microplastic pollution in the marine waters and sediments of Hong Kong. <i>Marine Pollution Bulletin</i> , 2017, 115, 20-28.	2.3	267
159	Characterization and Quantification of Microplastics by Infrared Spectroscopy. <i>Comprehensive Analytical Chemistry</i> , 2017, 75, 67-118.	0.7	31
160	Morphological and Physical Characterization of Microplastics. <i>Comprehensive Analytical Chemistry</i> , 2017, 75, 49-66.	0.7	46
161	Microplastics in the surface sediments from the Beijiang River littoral zone: Composition, abundance, surface textures and interaction with heavy metals. <i>Chemosphere</i> , 2017, 171, 248-258.	4.2	567
162	Microplastic abundance, distribution and composition along a latitudinal gradient in the Atlantic Ocean. <i>Marine Pollution Bulletin</i> , 2017, 115, 307-314.	2.3	292
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340	Multidecadal increase in plastic particles in coastal ocean sediments. <i>Science Advances</i> , 2019, 5, eaax0587.	4.7	219
341	Environmental occurrences, fate, and impacts of microplastics. <i>Ecotoxicology and Environmental Safety</i> , 2019, 184, 109612.	2.9	259
342	Microplastics in oysters ( <i>Crassostrea gigas</i> ) and water at the Bah�a Blanca Estuary (Southwestern Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.4	35
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