

# CITATION REPORT

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**The present and future of microplastic pollution in the marine environment**

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812	Plastic debris and microplastics along the beaches of the Strait of Hormuz, Persian Gulf. <b>2017</b> , 114, 1057-1062		111
811	Mikroplastik in aquatischen Ökosystemen. <b>2017</b> , 129, 1744-1764		10
810	Differential bioavailability of polychlorinated biphenyls associated with environmental particles: Microplastic in comparison to wood, coal and biochar. <i>Environmental Pollution</i> , <b>2017</b> , 220, 150-158	9.3	122
809	Plastic pollutants in water environment. <b>2017</b> , 28, 51-55		8
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807	Microplastics Presence in Sea Turtles. <b>2017</b> , 34-35		1
806	Biodegradable and Petroleum-Based Microplastics Do Not Differ in Their Ingestion and Excretion but in Their Biological Effects in a Freshwater Invertebrate <i>Gammarus fossarum</i> . <b>2017</b> , 14,		81
805	Plastic Pollution Patterns in Offshore, Nearshore and Estuarine Waters: A Case Study from Perth, Western Australia. <b>2017</b> , 4,		16
804	The Role of Laboratory Experiments in the Validation of Field Data. <b>2017</b> , 75, 241-273		5
803	NIVELES SANGUÍNEOS DE BIOMARCADORES DE DAÑO GENÉTICO EN ERITROCITOS DE <i>Lepidochelys olivacea</i> (Cheloniidae) EN COLOMBIA. <b>2017</b> , 22, 322-330		2
802	Presencia de microplásticos en cuatro playas arenosas de Perú <b>2017</b> , 24, 101		11
801	Microplastics in sediments from the littoral zone of the north Tunisian coast (Mediterranean Sea). <b>2018</b> , 205, 1-9		120
800	High intake rates of microplastics in a Western Atlantic predatory fish, and insights of a direct fishery effect. <i>Environmental Pollution</i> , <b>2018</b> , 236, 706-717	9.3	69
799	Mitigation measures to avert the impacts of plastics and microplastics in the marine environment (a review). <b>2018</b> , 25, 9293-9310		52
798	Microplastic accumulation patterns and transfer of benzo[a]pyrene to adult zebrafish ( <i>Danio rerio</i> ) gills and zebrafish embryos. <i>Environmental Pollution</i> , <b>2018</b> , 235, 918-930	9.3	122

797	Accumulation, tissue distribution, and biochemical effects of polystyrene microplastics in the freshwater fish red tilapia ( <i>Oreochromis niloticus</i> ). <i>Environmental Pollution</i> , <b>2018</b> , 238, 1-9	9.3	248
796	Seasonal patterns of floating macro-litter across the Western Mediterranean Sea: a potential threat for cetacean species. <b>2018</b> , 29, 453-467		20
795	Sources and distribution of microplastics in China's largest inland lake - Qinghai Lake. <i>Environmental Pollution</i> , <b>2018</b> , 235, 899-906	9.3	237
794	Influence of microplastics on the toxicity of the pharmaceuticals procainamide and doxycycline on the marine microalgae <i>Tetraselmis chuii</i> . <b>2018</b> , 197, 143-152		151
793	Microplastics thermal treatment by polyethylene terephthalate-biomass gasification. <b>2018</b> , 162, 118-131		18
792	Ten inconvenient questions about plastics in the sea. <b>2018</b> , 85, 146-154		42
791	Exposure to nanoplastics disturbs the gut microbiome in the soil oligochaete <i>Enchytraeus crypticus</i> . <i>Environmental Pollution</i> , <b>2018</b> , 239, 408-415	9.3	161
790	Multi-temporal surveys for microplastic particles enabled by a novel and fast application of SWIR imaging spectroscopy - Study of an urban watercourse traversing the city of Berlin, Germany. <i>Environmental Pollution</i> , <b>2018</b> , 239, 579-589	9.3	43
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788	Electrochemical technology for the treatment of real washing machine effluent at pre-pilot plant scale by using active and non-active anodes. <b>2018</b> , 818, 216-222		46
787	Microplastics in different tissues of fish and prawn from the Musa Estuary, Persian Gulf. <b>2018</b> , 205, 80-87		256
786	Organic fertilizer as a vehicle for the entry of microplastic into the environment. <b>2018</b> , 4, eaap8060		322
785	The impact of nanoplastics on marine dissolved organic matter assembly. <b>2018</b> , 634, 316-320		36
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783	Sediments of the Anthropocene. <b>2018</b> , 57-61		
782	Comparison of PCL degradation in different aquatic environments: Effects of bacteria and inorganic salts. <b>2018</b> , 150, 133-139		32
781	Occurrence of microplastics in commercial fish from a natural estuarine environment. <b>2018</b> , 128, 575-584		227
780	Microplastics contamination in molluscs from the northern part of the Persian Gulf. <i>Environmental Pollution</i> , <b>2018</b> , 235, 113-120	9.3	148

779	Microplastics in Inland African Waters: Presence, Sources, and Fate. <b>2018</b> , 101-124		14
778	An airborne remote sensing case study of synthetic hydrocarbon detection using short wave infrared absorption features identified from marine-harvested macro- and microplastics. <b>2018</b> , 205, 224-235		72
777	Trophic predator-prey relationships promote transport of microplastics compared with the single <i>Hypoaspis aculeifer</i> and <i>Folsomia candida</i> . <i>Environmental Pollution</i> , <b>2018</b> , 235, 150-154	9-3	88
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775	Global Boundary Stratotype Section and Point (GSSP) for the Anthropocene Series: Where and how to look for potential candidates. <b>2018</b> , 178, 379-429		101
774	Assessment tools for microplastics and natural fibres ingested by fish in an urbanised estuary. <i>Environmental Pollution</i> , <b>2018</b> , 234, 552-561	9-3	101
773	In vitro effects of virgin microplastics on fish head-kidney leucocyte activities. <i>Environmental Pollution</i> , <b>2018</b> , 235, 30-38	9-3	81
772	A new approach in separating microplastics from environmental samples based on their electrostatic behavior. <i>Environmental Pollution</i> , <b>2018</b> , 234, 20-28	9-3	104
771	Microplastics in the benthic invertebrates from the coastal waters of Kochi, Southeastern Arabian Sea. <b>2018</b> , 40, 1377-1383		47
770	Acute sensitivity of three Cladoceran species to different types of microplastics in combination with thermal stress. <i>Environmental Pollution</i> , <b>2018</b> , 239, 733-740	9-3	45
769	Manufacturing, mechanical and flame retardant properties of poly(lactic acid) biocomposites based on calcium magnesium phytate and carbon nanotubes. <b>2018</b> , 110, 227-236		80
768	Formation of microplastics by polychaetes ( <i>Marphysa sanguinea</i> ) inhabiting expanded polystyrene marine debris. <b>2018</b> , 131, 365-369		41
767	Accumulation of polystyrene microplastics in juvenile <i>Eriocheir sinensis</i> and oxidative stress effects in the liver. <b>2018</b> , 200, 28-36		244
766	Mussel digestive gland as a model tissue for assessing xenobiotics: An overview. <b>2018</b> , 636, 220-229		152
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764	Microplastics in a Marine Environment: Review of Methods for Sampling, Processing, and Analyzing Microplastics in Water, Bottom Sediments, and Coastal Deposits. <b>2018</b> , 58, 137-143		37
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762	The influence of microplastics and halogenated contaminants in feed on toxicokinetics and gene expression in European seabass ( <i>Dicentrarchus labrax</i> ). <b>2018</b> , 164, 430-443		73

761	Feeding ecology and ingestion of plastic fragments by <i>Priacanthus arenatus</i> : What's the fisheries contribution to the problem?. <b>2018</b> , 130, 19-27	30
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757	Functionalized cellulose nanocrystals as reinforcement in biodegradable polymer nanocomposites. <b>2018</b> , 39, E9-E29	73
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753	Impact of two plastic-derived chemicals, the Bisphenol A and the di-2-ethylhexyl phthalate, exposure on the marine toxic dinoflagellate <i>Alexandrium pacificum</i> . <b>2018</b> , 126, 241-249	23
752	Exposure of soil collembolans to microplastics perturbs their gut microbiota and alters their isotopic composition. <b>2018</b> , 116, 302-310	260
751	Neurobehavioral assessment of rats exposed to pristine polystyrene nanoplastics upon oral exposure. <b>2018</b> , 193, 745-753	38
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748	Microplastic particles cause intestinal damage and other adverse effects in zebrafish <i>Danio rerio</i> and nematode <i>Caenorhabditis elegans</i> . <b>2018</b> , 619-620, 1-8	547
747	Preliminary Study on Plastic Waste Handling in Semarang City - Indonesia: Estimated Generation and Existing Management. <b>2018</b> , 73, 07008	3
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742	Review on microplastic studies in Brazilian aquatic ecosystems. <b>2018</b> , 165, 385-400	25
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732	Exploration of microplastics from personal care and cosmetic products and its estimated emissions to marine environment: An evidence from Malaysia. <b>2018</b> , 136, 135-140	66
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728	Microplastics pollution in different aquatic environments and biota: A review of recent studies. <b>2018</b> , 133, 191-208	268
727	Do microplastics affect marine ecosystem productivity?. <b>2018</b> , 135, 17-29	30
726	Characterization of plastic debris and association of metals with microplastics in coastline sediment along the Persian Gulf. <b>2018</b> , 78, 649-658	114



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723	Microplastics co-gasification with biomass: Modelling syngas characteristics at low temperatures. <b>2018</b> ,	1
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706	The Occurrence, Fate, and Effects of Microplastics in the Marine Environment. <b>2018</b> , 133-173		6
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671	Safely Dissolvable and Healable Active Packaging Films Based on Alginate and Pectin. <b>2019</b> , 11,		23
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626	Detection of floating plastics from satellite and unmanned aerial systems (Plastic Litter Project 2018). <b>2019</b> , 79, 175-183	72
625	Microfiber release from different fabrics during washing. <i>Environmental Pollution</i> , <b>2019</b> , 249, 136-143	9.3 70
624	Plastic Waste: How Plastics Have Become Part of the Earth's Geological Cycle. <b>2019</b> , 443-452	10
623	Microplastics in freshwater environment: the first evaluation in sediments from seven water streams surrounding the lagoon of Bizerte (Northern Tunisia). <b>2019</b> , 26, 14673-14682	51
622	Fishing marine debris in a northeast Brazilian beach: Composition, abundance and tidal changes. <b>2019</b> , 142, 428-432	8
621	Concentrations and fingerprints of PAHs and PCBs adsorbed onto marine plastic debris from the Indonesian Cilacap coast and the North Atlantic gyre. <b>2019</b> , 29, 100611	13
620	Current research trends on microplastic pollution from wastewater systems: a critical review. <b>2019</b> , 18, 207-230	62
619	Effect of microplastics exposure on the photosynthesis system of freshwater algae. <b>2019</b> , 374, 219-227	109
618	Leaching of microplastics by preferential flow in earthworm ( <i>Lumbricus terrestris</i> ) burrows. <b>2019</b> , 16, 31	76

617	Using image analysis to assess the contributions of plankton and particles to tropical coastal ecosystems. <b>2019</b> , 219, 252-261		9
616	The PlasticClimate Nexus. <b>2019</b> , 345-361		7
615	Gut microbiota of aquatic organisms: A key endpoint for ecotoxicological studies. <i>Environmental Pollution</i> , <b>2019</b> , 248, 989-999	9-3	77
614	Anthropocene Chemostratigraphy. <b>2019</b> , 156-199		
613	Characterization of sorption properties of high-density polyethylene using the poly-parameter linearfree-energy relationships. <i>Environmental Pollution</i> , <b>2019</b> , 248, 312-319	9-3	15
612	Ingestion of plastic marine litter by sea turtles in southern Brazil: abundance, characteristics and potential selectivity. <b>2019</b> , 140, 536-548		40
611	Determining Environmentally Superior Decommissioning Options for Hard and Flexible Pipelines. <b>2019</b> ,		1
610	Plastic habits ¶an overview for the collection ¶astics and Sustainable Earth¶ <b>2019</b> , 2,		2
609	A new method for analyzing microplastic particle size distribution in marine environmental samples. <b>2019</b> , 23, 77-86		7
608	Microplastics in digestive tracts of fishes from Jakarta Bay. <b>2019</b> , 407, 012008		2
607	Flammability properties of intumescent flame retardant polylactic acid/layered silicate nanocomposites. <b>2019</b> , 332, 032046		0
606	Plastic litter in the European Arctic: What do we know?. <b>2019</b> , 5, 308-318		54
605	. <b>2019</b> ,		
604	Impacts of polystyrene microplastic on the gut barrier, microbiota and metabolism of mice. <b>2019</b> , 649, 308-317		285
603	Canary Islands. <b>2019</b> , 483-500		
602	Anthropogenically altered trophic webs: alien catfish and microplastics in the diet of Eurasian otters. <b>2019</b> , 64, 165-174		22
601	Occurrence and fate of microplastic debris in middle and lower reaches of the Yangtze River - From inland to the sea. <b>2019</b> , 659, 66-73		106
600	Biotechnological tools for the effective management of plastics in the environment. <b>2019</b> , 49, 410-441		31

599	Abundance and characteristics of microplastics in market bivalves from South Korea. <i>Environmental Pollution</i> , <b>2019</b> , 245, 1107-1116	9.3	156
598	Simple and rapid detection of microplastics in seawater using hyperspectral imaging technology. <b>2019</b> , 1050, 161-168		45
597	Targeting microplastic particles in the void of diluted suspensions. <b>2019</b> , 123, 428-435		41
596	Microplastic ingestion by Atlantic chub mackerel ( <i>Scomber colias</i> ) in the Canary Islands coast. <b>2019</b> , 139, 127-135		67
595	Microplastics and associated PAHs in surface water from the Feilaixia Reservoir in the Beijiang River, China. <b>2019</b> , 221, 834-840		123
594	Evaluating exposure of northern fur seals, <i>Callorhinus ursinus</i> , to microplastic pollution through fecal analysis. <b>2019</b> , 138, 213-221		39
593	Development and testing of a fractionated filtration for sampling of microplastics in water. <b>2019</b> , 149, 650-658		27
592	Microplastics in offshore sediment in the Yellow Sea and East China Sea, China. <i>Environmental Pollution</i> , <b>2019</b> , 244, 827-833	9.3	131
591	Microfibres from apparel and home textiles: Prospects for including microplastics in environmental sustainability assessment. <b>2019</b> , 652, 483-494		214
590	Development of new generation fishing gear: A resistant and biodegradable monofilament. <b>2019</b> , 74, 163-169		8
589	River Microplastic Contamination and Dynamics upon a Rainfall Event in Hong Kong, China. <b>2019</b> , 6, 253-264		37
588	Toward an ecotoxicological risk assessment of microplastics: Comparison of available hazard and exposure data in freshwaters. <b>2019</b> , 38, 436-447		83
587	Marine litter in stomach content of small pelagic fishes from the Adriatic Sea: sardines ( <i>Sardina pilchardus</i> ) and anchovies ( <i>Engraulis encrasicolus</i> ). <b>2019</b> , 26, 2771-2781		60
586	Microplastics Pollution in the Marine Environment. <b>2019</b> , 329-351		7
585	Juvenile fish caging as a tool for assessing microplastics contamination in estuarine fish nursery grounds. <b>2020</b> , 27, 3548-3559		12
584	Assessing the structural, mechanical and dispersible characteristics of flushable nonwovens. <b>2020</b> , 90, 581-592		3
583	Thermal fragmentation enhanced identification and quantification of polystyrene micro/nanoplastics in complex media. <b>2020</b> , 208, 120478		34
582	Defense responses in earthworms ( <i>Eisenia fetida</i> ) exposed to low-density polyethylene microplastics in soils. <b>2020</b> , 187, 109788		66



581	Micro- and nano-plastics in marine environment: Source, distribution and threats - A review. <b>2020</b> , 698, 134254		198
580	Transcriptional response provides insights into the effect of chronic polystyrene nanoplastic exposure on <i>Daphnia pulex</i> . <b>2020</b> , 238, 124563		43
579	Microplastics pollution in Bangladesh: current scenario and future research perspective. <b>2020</b> , 36, 83-99		6
578	Acoustic focusing of microplastics in microchannels: A promising continuous collection approach. <b>2020</b> , 304, 127328		13
577	Effects of nanoplastics at predicted environmental concentration on <i>Daphnia pulex</i> after exposure through multiple generations. <i>Environmental Pollution</i> , <b>2020</b> , 256, 113506	9.3	62
576	Wasseraufreinigung und Mikroplastik-Entfernung durch magnetische Polyoxometallat-unterstützte ionische Flüssigphasen (magPOM-SILPs). <b>2020</b> , 132, 1618-1622		3
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574	Occurrence and removal of microplastics in an advanced drinking water treatment plant (ADWTP). <b>2020</b> , 700, 134520		131
573	Plasticizer Enhancement on the Miscibility and Thermomechanical Properties of Polylactic Acid-Chitin-Starch Composites. <b>2020</b> , 12,		19
572	Greenland Sea Gyre increases microplastic pollution in the surface waters of the Nordic Seas. <b>2020</b> , 712, 136484		47
571	Carbonization: A feasible route for reutilization of plastic wastes. <b>2020</b> , 710, 136250		53
570	Fate and abundance of antibiotic resistance genes on microplastics in facility vegetable soil. <b>2020</b> , 709, 136276		39
569	Microplastic pollution in a stormwater floating treatment wetland: Detection of tyre particles in sediment. <b>2020</b> , 713, 136356		65
568	Distribution Characteristics and Influencing Factors of Microplastics in Urban Tap Water and Water Sources in Qingdao, China. <b>2020</b> , 53, 1312-1327		20
567	Assessment of micro and macroplastics along the west coast of India: Abundance, distribution, polymer type and toxicity. <b>2020</b> , 246, 125708		30
566	Immunotoxicity of microplastics and two persistent organic pollutants alone or in combination to a bivalve species. <i>Environmental Pollution</i> , <b>2020</b> , 258, 113845	9.3	85
565	A close relationship between microplastic contamination and coastal area use pattern. <b>2020</b> , 171, 115400		60
564	Quali-quantitative analysis of plastics and synthetic microfibers found in demersal species from Southern Tyrrhenian Sea (Central Mediterranean). <b>2020</b> , 150, 110596		38

563	Effects of polystyrene microbeads on cytotoxicity and transcriptomic profiles in human Caco-2 cells. <b>2020</b> , 35, 495-506		37
562	Identification of microplastics in the sediments of southern coasts of the Caspian Sea, north of Iran. <i>Environmental Pollution</i> , <b>2020</b> , 258, 113738	9-3	41
561	A review of the potential utilisation of plastic waste as adsorbent for removal of hazardous priority contaminants from aqueous environments. <i>Environmental Pollution</i> , <b>2020</b> , 258, 113698	9-3	31
560	Assessment of microplastics in freshwater systems: A review. <b>2020</b> , 707, 135578		219
559	Nano-plastics induce aquatic particulate organic matter (microgels) formation. <b>2020</b> , 706, 135681		27
558	Microplastics in the soil environment: Occurrence, risks, interactions and fate [A review. <b>2020</b> , 50, 2175-2222		115
557	Polyethylene microplastics affect the distribution of gut microbiota and inflammation development in mice. <b>2020</b> , 244, 125492		119
556	Polystyrene microplastics increase uptake, elimination and cytotoxicity of decabromodiphenyl ether (BDE-209) in the marine scallop <i>Chlamys farreri</i> . <i>Environmental Pollution</i> , <b>2020</b> , 258, 113657	9-3	25
555	Longitudinal dispersion of microplastics in aquatic flows using fluorometric techniques. <b>2020</b> , 170, 115337		22
554	Microplastic exposure represses the growth of endosymbiotic dinoflagellate <i>Cladocodium goreau</i> in culture through affecting its apoptosis and metabolism. <b>2020</b> , 244, 125485		40
553	Organic pollutants, nano- and microparticles in street sweeping road dust and washwater. <b>2020</b> , 135, 105337		33
552	Towards an ecology of soil microplastics. <b>2020</b> , 34, 550-560		56
551	Comparison of the abundance of microplastics between rural and urban areas: A case study from East Dongting Lake. <b>2020</b> , 244, 125486		64
550	Spatio-temporal evaluation of macro, meso and microplastics in surface waters, bottom and beach sediments of two embayments in Niterói RJ, Brazil. <b>2020</b> , 160, 111537		10
549	Evaluating the presence of microplastics in striped dolphins ( <i>Stenella coeruleoalba</i> ) stranded in the Western Mediterranean Sea. <b>2020</b> , 160, 111557		22
548	Optimized hydroentanglement processing parameters for nonwoven fabrics composed entirely of cotton fibers. <b>2020</b> , 15, 155892502093543		
547	An assessment of microplastic inputs into the aquatic environment from wastewater streams. <b>2020</b> , 160, 111538		25
546	Interactions between microplastics and organic pollutants: Effects on toxicity, bioaccumulation, degradation, and transport. <b>2020</b> , 748, 142427		76

545	A critical review on various trophic transfer routes of microplastics in the context of the Indian coastal ecosystem. <b>2020</b> , 2, 25-41		10
544	Lake Phytoplankton Assemblage Altered by Irregularly Shaped PLA Body Wash Microplastics but Not by PS Calibration Beads. <b>2020</b> , 12, 2650		5
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542	Are concentrations of pollutants in sharks, rays and skates (Elasmobranchii) a cause for concern? A systematic review. <b>2020</b> , 160, 111701		20
541	Microplastics in beach sediments and cockles ( <i>Anadara antiquata</i> ) along the Tanzanian coastline. <b>2020</b> , 105, 513-521		9
540	Recent trends in solid waste management status, challenges, and potential for the future Indian cities: A review. <b>2020</b> , 2, 100011		42
539	Strong sorption of two fungicides onto biodegradable microplastics with emphasis on the negligible role of environmental factors. <i>Environmental Pollution</i> , <b>2020</b> , 267, 115496	9-3	15
538	Identification and distribution of microplastics in the sediments and surface waters of Anzali Wetland in the Southwest Caspian Sea, Northern Iran. <b>2020</b> , 160, 111541		25
537	Microplastics in a salt-wedge estuary: Vertical structure and tidal dynamics. <b>2020</b> , 160, 111688		13
536	Monitoring and analysis of marine litter in Vodenjak cove on Brač Island, central Croatian Adriatic Sea. <b>2020</b> , 31, 905-912		7
535	Microplastic ingestion by a herring <i>Opisthonema</i> sp. in the Pacific coast of Costa Rica. <b>2020</b> , 38, 101367		4
534	Microplastics as an emerging anthropogenic vector of trace metals in freshwater: Significance of biofilms and comparison with natural substrates. <b>2020</b> , 184, 116205		48
533	Investigating the presence of microplastics in demersal sharks of the North-East Atlantic. <b>2020</b> , 10, 12204		14
532	Monitoring of microplastics in the clam <i>Donax cuneatus</i> and its habitat in Tuticorin coast of Gulf of Mannar (GoM), India. <i>Environmental Pollution</i> , <b>2020</b> , 266, 115219	9-3	12
531	Microplastics in sandy environments in the Florida Keys and the panhandle of Florida, and the ingestion by sea cucumbers (Echinodermata: Holothuroidea) and sand dollars (Echinodermata: Echinoidea). <b>2020</b> , 158, 111437		11
530	PET-microplastics as a vector for heavy metals in a simulated plant rhizosphere zone. <b>2020</b> , 744, 140984		43
529	Quantification and morphological characterization of plastic litter (0.30-100 mm) in surface waters of off Colombo, west coast of Sri Lanka. <b>2020</b> , 192, 509		6
528	Modification of a Nile Red Staining Method for Microplastics Analysis: A Nile Red Plate Method. <b>2020</b> , 12, 3251		13

527	Bibliometric Profile of Global Microplastics Research from 2004 to 2019. <b>2020</b> , 17,	19
526	Ocean plastic crisis-Mental models of plastic pollution from remote Indonesian coastal communities. <b>2020</b> , 15, e0236149	26
525	Nanoscale infrared, thermal and mechanical properties of aged microplastics revealed by an atomic force microscopy coupled with infrared spectroscopy (AFM-IR) technique. <b>2020</b> , 744, 140944	16
524	Mapping ecological impact of microplastics on freshwater habitat in the central region of Ghana: a case study of River Akora. <b>2020</b> , 1	5
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521	Microbial and Enzymatic Degradation of Synthetic Plastics. <b>2020</b> , 11, 580709	104
520	Plastics in surface water of southern coastal belt of Sri Lanka (Northern Indian Ocean): Distribution and characterization by FTIR. <b>2020</b> , 161, 111750	11
519	Microplastics as novel sedimentary particles in coastal wetlands: A review. <b>2020</b> , 161, 111739	14
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516	Rainfall and Tidal Cycle Regulate Seasonal Inputs of Microplastic Pellets to Sandy Beaches. <b>2020</b> , 8,	10
515	Microplastics in Food: A Review on Analytical Methods and Challenges. <b>2020</b> , 17,	29
514	A Practical Overview of Methodologies for Sampling and Analysis of Microplastics in Riverine Environments. <b>2020</b> , 12, 6755	39
513	Microplastics pollution in China water ecosystems: a review of the abundance, characteristics, fate, risk and removal. <b>2020</b> , 82, 1495-1508	6
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510	Marine Litter Pollution in Baltic Sea Beaches [Application of the Sand Rake Method. <b>2020</b> , 8,	9

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507	Preliminary Results From Detection of Microplastics in Liquid Samples Using Flow Cytometry. <b>2020</b> , 7,		13
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505	Experimental ingestion of fluorescent microplastics by pacific oysters, <i>Crassostrea gigas</i> , and their effects on the behaviour and development at early stages. <b>2020</b> , 254, 126793		13
504	Microplastic Fallout in Different Indoor Environments. <b>2020</b> , 54, 6530-6539		89
503	Litter in alien species of possible commercial interest: The blue crab ( <i>Callinectes sapidus</i> Rathbun, 1896) as case study. <b>2020</b> , 157, 111300		8
502	Laboratory simulation of microplastics weathering and its adsorption behaviors in an aqueous environment: A systematic review. <i>Environmental Pollution</i> , <b>2020</b> , 265, 114864	9-3	60
501	Microplastic contamination on the lower Chao Phraya: Abundance, characteristic and interaction with heavy metals. <b>2020</b> , 257, 127234		31
500	Microplastics on beaches along the eastern Gulf of Thailand - A preliminary study. <b>2020</b> , 157, 111345		27
499	First quantification of semi-crystalline microplastics in industrial wastewaters. <b>2020</b> , 258, 127388		23
498	Interaction of Environmental Pollutants with Microplastics: A Critical Review of Sorption Factors, Bioaccumulation and Ecotoxicological Effects. <b>2020</b> , 8,		45
497	The Impact of Microplastic Particles on Population Dynamics of Predator and Prey: Implication of the Lotka-Volterra Model. <b>2020</b> , 10, 4500		4
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495	Tissue Accumulation of Microplastics and Toxic Effects: Widespread Health Risks of Microplastics Exposure. <b>2020</b> , 321-341		3
494	Spatiotemporal distribution, source identification and inventory of microplastics in surface sediments from Sanggou Bay, China. <b>2020</b> , 723, 138064		24
493	Behaviour of plastic litter in nearshore waters: First insights from wind and wave laboratory experiments. <b>2020</b> , 153, 111023		18
492	Characteristics of Plastic Pollution in the Environment: A Review. <b>2021</b> , 107, 577-584		32

491	High-resolution, non-invasive animal tracking and reconstruction of local environment in aquatic ecosystems. <b>2020</b> , 8, 27		16
490	Risk assessment of added chemicals in plastics in the Danish marine environment. <b>2020</b> , 157, 111298		4
489	Metabolomics revealing the response of rice ( <i>Oryza sativa</i> L.) exposed to polystyrene microplastics. <i>Environmental Pollution</i> , <b>2020</b> , 266, 115159	9.3	38
488	Effect of microplastics and microplastic-metal combinations on growth and chlorophyll a concentration of <i>Chlorella vulgaris</i> . <b>2020</b> , 743, 140479		42
487	Microplastics negatively impact embryogenesis and modulate the immune response of the marine medaka <i>Oryzias melastigma</i> . <b>2020</b> , 158, 111349		16
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481	Marine Litter in Transitional Water Ecosystems: State of The Art Review Based on a Bibliometric Analysis. <b>2020</b> , 12, 612		8
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478	Chemical composition of microplastic in sediments and protected detritivores from different marine habitats (Salina Island). <b>2020</b> , 152, 110918		13
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475	Water quality assessment of natural lakes and its importance: An overview. <b>2020</b> , 32, 544-552		24
474	Drying of the Natural Fibers as A Solvent-Free Way to Improve the Cellulose-Filled Polymer Composite Performance. <b>2020</b> , 12,		10

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472	The occurrence and distribution characteristics of microplastics in the agricultural soils of Shaanxi Province, in north-western China. <b>2020</b> , 720, 137525		106
471	Quantification of microplastic ingestion by the decapod crustacean <i>Nephrops norvegicus</i> from Irish waters. <b>2020</b> , 152, 110905		47
470	Distribution, abundance, and diversity of microplastics in the upper St. Lawrence River. <i>Environmental Pollution</i> , <b>2020</b> , 260, 113994	9-3	44
469	Effect of prothioconazole on the degradation of microplastics derived from mulching plastic film: Apparent change and interaction with heavy metals in soil. <i>Environmental Pollution</i> , <b>2020</b> , 260, 113988	9-3	25
468	Microplastic contamination in Corpus Christi Bay blue crabs, <i>Callinectes sapidus</i> . <b>2020</b> , 5, 92-102		22
467	Occurrence and characterization of surface sediment microplastics and litter from North African coasts of Mediterranean Sea: Preliminary research and first evidence. <b>2020</b> , 713, 136664		47
466	Low-Cost Biochar Adsorbents for Water Purification Including Microplastics Removal. <b>2020</b> , 10, 788		35
465	Occurrence and Spatial Distribution of Microplastics in the Surface Waters of Lake Naivasha, Kenya. <b>2020</b> , 39, 765-774		29
464	Pollution Characteristics of Microplastics in Soils in Southeastern Suburbs of Baoding City, China. <b>2020</b> , 17,		30
463	Microplastics in seawater: sampling strategies, laboratory methodologies, and identification techniques applied to port environment. <b>2020</b> , 27, 8938-8952		42
462	Quantification of microplastics in a freshwater suspended organic matter using different thermoanalytical methods butcome of an interlaboratory comparison. <b>2020</b> , 148, 104829		25
461	Physiological stress response of the scleractinian coral <i>Stylophora pistillata</i> exposed to polyethylene microplastics. <i>Environmental Pollution</i> , <b>2020</b> , 263, 114559	9-3	32
460	Spatial distribution of microplastic in the surface waters along the coast of Korea. <b>2020</b> , 155, 110729		19
459	Microplastics in aquatic environment: characterization, ecotoxicological effect, implications for ecosystems and developments in South Africa. <b>2020</b> , 27, 22271-22291		13
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457	Microplastics in specific tissues of wild sea urchins along the coastal areas of northern China. <b>2020</b> , 728, 138660		28
456	Marine debris on a tropical coastline: Abundance, predominant sources and fate in a region with multiple activities (Fortaleza, Cear�northeastern Brazil). <b>2020</b> , 108, 13-20		7

455	Optimized microplastic analysis based on size fractionation, density separation and FTIR. <b>2020</b> , 81, 834-844		8
454	Physical characterization of litter and microplastic along the urban coast of Cagayan de Oro in Macajalar Bay, Philippines. <b>2020</b> , 154, 111083		15
453	Microplastics in mangrove sediments of the Pearl River Estuary, South China: Correlation with halogenated flame retardants' levels. <b>2020</b> , 725, 138344		34
452	Outlook and overview of microplastics pollution in ecological environment. <b>2020</b> , 143, 02027		0
451	A polystyrene-degrading <i>Acinetobacter</i> bacterium isolated from the larvae of <i>Tribolium castaneum</i> . <b>2020</b> , 726, 138564		39
450	Potential effects of biodegradable single-use items in the sea: Polylactic acid (PLA) and solitary ascidians. <i>Environmental Pollution</i> , <b>2021</b> , 268, 115364	9-3	15
449	Ingestion of nano/micro plastic particles by the mussel <i>Mytilus coruscus</i> is size dependent. <b>2021</b> , 263, 127957		14
448	Polystyrene microplastics induced male reproductive toxicity in mice. <b>2021</b> , 401, 123430		80
447	Microplastic content of Kutum fish, <i>Rutilus frisii kutum</i> in the southern Caspian Sea. <b>2021</b> , 752, 141542		15
446	Microplastic accumulation via trophic transfer: Can a predatory crab counter the adverse effects of microplastics by body defence?. <b>2021</b> , 754, 142099		54
445	Response of common bean ( <i>Phaseolus vulgaris</i> L.) growth to soil contaminated with microplastics. <b>2021</b> , 755, 142516		46
444	Mechanical behavior of waste fishing net fiber-reinforced cementitious composites subjected to direct tension. <b>2021</b> , 33, 101622		9
443	Horizontal and vertical distribution of microplastics in the Wuliangshai Lake sediment, northern China. <b>2021</b> , 754, 142426		28
442	Microplastics in wastewater outlets of Bandar Abbas city (Iran): A potential point source of microplastics into the Persian Gulf. <b>2021</b> , 262, 128039		31
441	Hazardous microplastic characteristics and its role as a vector of heavy metal in groundwater and surface water of coastal south India. <b>2021</b> , 402, 123786		74
440	A systematic protocol of microplastics analysis from their identification to quantification in water environment: A comprehensive review. <b>2021</b> , 403, 124049		25
439	Microplastics in freshwater ecosystems: a recent review of occurrence, analysis, potential impacts, and research needs. <b>2021</b> , 28, 1341-1356		20
438	Impact of metal additives on particle emission profiles from a fused filament fabrication 3D printer. <b>2021</b> , 244, 117956		15



437	Comparative analysis of kinetics and mechanisms for Pb(II) sorption onto three kinds of microplastics. <b>2021</b> , 208, 111451		43
436	Physiological effects of plastic particles on mussels are mediated by food presence. <b>2021</b> , 404, 124136		17
435	Occurrence of microplastic particles in the most popular Iranian bottled mineral water brands and an assessment of human exposure. <b>2021</b> , 39, 101708		18
434	Sampling and processing methods of microplastics in river sediments - A review. <b>2021</b> , 758, 143691		19
433	Marine mammals and microplastics: A systematic review and call for standardisation. <i>Environmental Pollution</i> , <b>2021</b> , 269, 116142	9-3	34
432	Ecological risk assessment of microplastics in coastal, shelf, and deep sea waters with a consideration of environmentally relevant size and shape. <i>Environmental Pollution</i> , <b>2021</b> , 270, 116217	9-3	42
431	Enhanced reproductive toxicities induced by phthalates contaminated microplastics in male mice ( <i>Mus musculus</i> ). <b>2021</b> , 406, 124644		28
430	How do microplastics affect the marine microbial loop? Predation of microplastics by microzooplankton. <b>2021</b> , 758, 144030		7
429	Elucidating the co-transport of bisphenol A with polyethylene terephthalate (PET) nanoplastics: A theoretical study of the adsorption mechanism. <i>Environmental Pollution</i> , <b>2021</b> , 270, 116192	9-3	13
428	Micro-plastic pollution along the Bay of Bengal coastal stretch of Tamil Nadu, South India. <b>2021</b> , 756, 144073		7
427	Is seafloor litter contributing to sea anemone blooms?. <b>2021</b> , 759, 143479		4
426	The distribution of microplastics in the surface layer of the Atlantic Ocean from the subtropics to the equator according to visual analysis. <b>2021</b> , 162, 111836		12
425	Consistent exposure to microplastics induces age-specific physiological and biochemical changes in a marine mysid. <b>2021</b> , 162, 111850		7
424	The entering of polyethylene terephthalate microplastics into biological wastewater treatment system affects aerobic sludge digestion differently from their direct entering into sludge treatment system. <b>2021</b> , 190, 116731		14
423	Toxicity and biomarkers of micro-plastic in aquatic environment: a review. <b>2021</b> , 26, 13-25		6
422	Assessing microplastic as a vector for chemical entry into fish larvae using a novel tube-feeding approach. <b>2021</b> , 265, 129144		8
421	Accumulation and ecotoxicological risk of weathered polyethylene (wPE) microplastics on green mussel ( <i>Perna viridis</i> ). <b>2021</b> , 208, 111765		12
420	Environmental source, fate, and toxicity of microplastics. <b>2021</b> , 407, 124357		107

419	Effect of polystyrene on di-butyl phthalate (DBP) bioavailability and DBP-induced phytotoxicity in lettuce. <i>Environmental Pollution</i> , <b>2021</b> , 268, 115870	9.3	28
418	Gathering at the top? Environmental controls of microplastic uptake and biomagnification in freshwater food webs. <i>Environmental Pollution</i> , <b>2021</b> , 268, 115750	9.3	22
417	Abundance and distribution characteristics of microplastic in plateau cultivated land of Yunnan Province, China. <b>2021</b> , 28, 1675-1688		21
416	Current Treatment Technologies for Removal of Microplastic and Microfiber Pollutants From Wastewater. <b>2021</b> , 237-251		4
415	Fabrication of polyethylene terephthalate (PET) nanoparticles with fluorescent tracers for studies in mammalian cells. <b>2021</b> , 3, 339-346		3
414	Socio-economic Importance of Biomaterials in the Transition to the Circular Economy Model. <b>2021</b> , 92, 05029		1
413	The impact of polystyrene microplastics on cardiomyocytes pyroptosis through NLRP3/Caspase-1 signaling pathway and oxidative stress in Wistar rats. <b>2021</b> , 36, 935-944		11
412	Bioplastics from Biopolymers: An Eco-Friendly and Sustainable Solution of Plastic Pollution. <b>2021</b> , 63, 47-63		7
411	Sustainable Plastic and Corporate Social Responsibility. <b>2021</b> , 333-353		1
410	Life Below Water. <b>2021</b> , 1-14		
409	Effects of environmentally relevant levels of polyethylene microplastic on <i>Mytilus galloprovincialis</i> (Mollusca: Bivalvia): filtration rate and oxidative stress. <b>2021</b> , 28, 26643-26652		9
408	Fragmentation of nanoplastics driven by plant-microbe rhizosphere interaction during abiotic stress combination.		1
407	Degradation of Plastics by Fungi. <b>2021</b> , 650-661		0
406	Functional assessment of biodegradable cotton nonwoven substrates permeated with spatial insect repellants for disposable applications. <b>2021</b> , 91, 1578-1593		
405	The Production and Applications of Microbial-Derived Polyhydroxybutyrates. <b>2021</b> , 3-43		4
404	Identification of black microplastics using long-wavelength infrared hyperspectral imaging with imaging-type two-dimensional Fourier spectroscopy. <b>2021</b> , 13, 647-659		3
403	Disentangling natural vs. anthropogenic induced environmental variability during the Holocene: Marambaia Cove, SW sector of the Sepetiba Bay (SE Brazil). <b>2021</b> , 28, 22612-22640		5
402	Environmental Forensic Tools for Water Resources. <b>2021</b> , 333-370		3

401	Nature-Derived Amphiphilic Polymers Crosslinked by Calcium Ions for Microencapsulation Applications. <b>2021</b> , 3, 1415-1425		1
400	Microplastic pollution on island beaches, Oahu, Hawai'i. <b>2021</b> , 16, e0247224		8
399	From nanoplastic to microplastic: A bibliometric analysis on the presence of plastic particles in the environment. <b>2021</b> , 163, 111926		25
398	Multi-Biomarker Responses of Asian Clam <i>Corbicula fluminea</i> (Bivalvia, Corbiculidea) to Cadmium and Microplastics Pollutants. <b>2021</b> , 13, 394		9
397	Microplastics in Marine and Estuarine Species From the Coast of Portugal. <b>2021</b> , 9,		8
396	A review of microplastic distribution in sediment profiles. <b>2021</b> , 163, 111973		32
395	Detection and removal of microplastics in wastewater: evolution and impact. <b>2021</b> , 28, 16925-16947		46
394	Dark-field hyperspectral microscopy for label-free microplastics and nanoplastics detection and identification in vivo: A <i>Caenorhabditis elegans</i> study. <i>Environmental Pollution</i> , <b>2021</b> , 271, 116337	9.3	18
393	Effects of Microplastics, Polystyrene, and Polyethylene on Antioxidants, Metabolic Enzymes, HSP-70, and Myostatin Expressions in the Giant River Prawn <i>Macrobrachium rosenbergii</i> : Impact on Survival and Growth. <b>2021</b> , 80, 645-658		3
392	Supplementing the model of the global biogeochemical carbon cycle. <b>2021</b> , 723, 042069		1
391	Benthic species as mud patrol - modelled effects of bioturbators and biofilms on large-scale estuarine mud and morphology. <b>2021</b> , 46, 1128-1144		8
390	A Review of Analytical Methods Used in Microplastics Quantification. <b>2021</b> , 665, 012064		2
389	Assessing the Levels of Awareness among European Citizens about the Direct and Indirect Impacts of Plastics on Human Health. <b>2021</b> , 18,		7
388	Long-Term Fertilization History Alters Effects of Microplastics on Soil Properties, Microbial Communities, and Functions in Diverse Farmland Ecosystem. <b>2021</b> , 55, 4658-4668		19
387	The need to investigate continuums of plastic particle diversity, brackish environments and trophic transfer to assess the risk of micro and nanoplastics on aquatic organisms. <i>Environmental Pollution</i> , <b>2021</b> , 273, 116449	9.3	8
386	Identification and Spatial Mapping of Microplastic Standards in <i>Paramecia</i> by Secondary-Ion Mass Spectrometry Imaging. <b>2021</b> , 93, 5521-5528		4
385	Assessment of Microplastic and Organophosphate Pesticides Contamination in Fiddler Crabs from a Ramsar Site in the Estuary of Guayas River, Ecuador. <b>2021</b> , 107, 20-28		10
384	Microplastic pollution monitoring with holographic classification and deep learning. <b>2021</b> , 3, 024013		11

383	Ecotoxicity of Microplastic Pollutants to Marine Organisms: a Systematic Review. <b>2021</b> , 232, 1	7
382	Microplastic pollution of bottled water in China. <b>2021</b> , 40, 101884	13
381	Existence of Microplastic as Pollutant in Harike Wetland: An Analysis of Plastic Composition and First Report on Ramsar Wetland of India. <b>2021</b> , 16, 123-133	2
380	Development of an adverse outcome pathway for nanoplastic toxicity in <i>Daphnia pulex</i> using proteomics. <b>2021</b> , 766, 144249	20
379	Probing the nanoplastics adsorbed by microalgae in water using polarized light scattering. <b>2021</b> , 231, 166407	2
378	Microplastic ingestion in jellyfish <i>Pelagia noctiluca</i> (Forsskal, 1775) in the North Atlantic Ocean. <b>2021</b> , 166, 112266	2
377	Freely Moldable Modified Starch as a Sustainable and Recyclable Plastic. <b>2021</b> , 22, 2676-2683	3
376	Entropies and the Anthropocene crisis. 1	5
375	Investigation of the Adsorption of Sulfamethoxazole by Degradable Microplastics Artificially Aged by Chemical Oxidation. <b>2021</b> , 81, 155-165	7
374	Identification of microplastics using 4-dimethylamino-4'-nitrostilbene solvatochromic fluorescence. <b>2021</b> , 84, 2820-2831	3
373	Microplastics in lakeshore and lakebed sediments - External influences and temporal and spatial variabilities of concentrations. <b>2021</b> , 197, 111141	9
372	Plastic ingestion by juvenile green turtles ( <i>Chelonia mydas</i> ) off the coast of Southern Brazil. <b>2021</b> , 167, 112337	2
371	Coastal ecosystem inventory with characterization and identification of plastic contamination and additives from aquaculture materials. <b>2021</b> , 167, 112286	8
370	Microplastics particles in seafloor sediments along the Arabian Sea and the Andaman Sea continental shelves: First insight on the occurrence, identification, and characterization. <b>2021</b> , 167, 112311	4
369	A roadmap for a Plastisphere. <b>2021</b> , 167, 112322	7
368	Assessment of microplastic accumulation in wild <i>Paracentrotus lividus</i> , a commercially important sea urchin species, in the Eastern Aegean Sea, Greece. <b>2021</b> , 45, 101855	2
367	Commercial Gilthead Seabream ( L.) from the Mar Menor Coastal Lagoon as Hotspots of Microplastic Accumulation in the Digestive System. <b>2021</b> , 18,	2
366	Polystyrene particles combined with di-butyl phthalate cause significant decrease in photosynthesis and red lettuce quality. <i>Environmental Pollution</i> , <b>2021</b> , 278, 116871	9-3 17

365	Microplastic contamination in tropical fishes: An assessment of different feeding habits. <b>2021</b> , 45, 101857	6
364	Effects of polystyrene in the brackish water flea <i>Diaphanosoma celebensis</i> : Size-dependent acute toxicity, ingestion, egestion, and antioxidant response. <b>2021</b> , 235, 105821	6
363	Microplastic pollution in Marine Protected Areas of Southern Sri Lanka. <b>2021</b> , 168, 112462	7
362	The Proposal and Necessity of the Numerical Description of Nano- and Microplastics' Surfaces (Plastisphere). <b>2021</b> , 13,	2
361	Toxic effects on bioaccumulation, hematological parameters, oxidative stress, immune responses and neurotoxicity in fish exposed to microplastics: A review. <b>2021</b> , 413, 125423	40
360	Bioavailability and toxicity of microplastics to zooplankton. <b>2021</b> ,	5
359	Automated FTIR Imaging Demonstrates Taxon-Specific and Selective Uptake of Microplastic by Freshwater Invertebrates. <b>2021</b> , 55, 9916-9925	4
358	The influence of humic and fulvic acids on polytetrafluoroethylene-adsorbed arsenic: a mechanistic study. <b>2021</b> , 28, 64503-64515	1
357	Fate and removal of microplastics in unplanted lab-scale vertical flow constructed wetlands. <b>2021</b> , 778, 146152	9
356	A comprehensive review on assessment of plastic debris in aquatic environment and its prevalence in fishes and other aquatic animals in India. <b>2021</b> , 779, 146421	8
355	The Marine Debris Nexus. <b>2021</b> , 83-101	0
354	Floating Marine Litter in Eastern Mediterranean From Macro to Microplastics: The Lebanese Coastal Area as a Case Study. <b>2021</b> , 9,	2
353	Sequestration of Polystyrene Microplastics by Jellyfish Mucus. <b>2021</b> , 8,	5
352	Quantifying Mechanical Abrasion of MWCNT Nanocomposites Used in 3D Printing: Influence of CNT Content on Abrasion Products and Rate of Microplastic Production. <b>2021</b> , 55, 10332-10342	2
351	Critical Gaps in Shoreline Plastics Pollution Research. <b>2021</b> , 8,	3
350	Quantification of tire wear particles in road dust from industrial and residential areas in Seoul, Korea. <b>2021</b> , 784, 147177	10
349	Ecotoxicological Determination of Microplastic Toxicity on Algae <i>Chlorella</i> sp.: Response Surface Modeling Approach. <b>2021</b> , 232, 1	2
348	Targeted Hydrolysis of $\beta$ -Lactam Antibiotics in Dry Suspension Residue: A Proposed Method to Reduce Ecological Toxicity and Bacterial Resistance. <b>2021</b> , 13, 2225	

347	Single-Use Plastic Bans: Exploring Stakeholder Perspectives on Best Practices for Reducing Plastic Pollution. <b>2021</b> , 8, 81	2
346	Spatial distribution of microplastics in sandy beach and inshore-offshore sediments of the southern Caspian Sea. <b>2021</b> , 169, 112578	3
345	Microplastics in polar regions: An early warning to the world's pristine ecosystem. <b>2021</b> , 784, 147149	18
344	Microplastics in different tissues of some commercially important fish species from Anzali Wetland in the Southwest Caspian Sea, Northern Iran. <b>2021</b> , 169, 112479	11
343	Ecotoxicological effects of different size ranges of industrial-grade polyethylene and polypropylene microplastics on earthworms <i>Eisenia fetida</i> . <b>2021</b> , 783, 147007	8
342	Prevalence and physicochemical characteristics of microplastics in the sediment and water of Hashilan Wetland, a national heritage in NW Iran. <b>2021</b> , 23, 101782	6
341	The role of plastic packaging in transforming food retailing. <b>2021</b> , ahead-of-print,	1
340	Phenotypic and transcriptomic responses of the rotifer <i>Brachionus koreanus</i> by single and combined exposures to nano-sized microplastics and water-accommodated fractions of crude oil. <b>2021</b> , 416, 125703	6
339	Characterisation of Microparticle Waste from Dental Resin-Based Composites. <b>2021</b> , 14,	2
338	Accelerated Weathering Increases the Release of Toxic Leachates from Microplastic Particles as Demonstrated through Altered Toxicity to the Green Algae. <b>2021</b> , 9,	6
337	Examining the dependence of macroplastic fragmentation on coastal processes (Chesapeake Bay, Maryland). <b>2021</b> , 169, 112510	4
336	Effects of polyethylene microplastics on the microbiome and metabolism in larval zebrafish. <i>Environmental Pollution</i> , <b>2021</b> , 282, 117039	9.3 19
335	Characterisation of microplastics and unicellular algae in seawater by targeting carbon via single particle and single cell ICP-MS. <b>2021</b> , 1174, 338737	7
334	Micro-plastic occurrence in bottled vinegar: Qualification, quantification and human risk exposure. <b>2021</b> , 152, 404-413	5
333	The sea cucumber <i>Holothuria tubulosa</i> does not reduce the size of microplastics but enhances their resuspension in the water column. <b>2021</b> , 781, 146650	6
332	Photochemical transformation of decachlorobiphenyl (PCB-209) on the surface of microplastics in aqueous solution. <b>2021</b> , 420, 129813	5
331	Hydrological and hydrogeological characteristics and environmental assessment of Hashilan Wetland, a national heritage in NW Iran. <b>2021</b> ,	2
330	Comparison of Detection Methods of Microplastics in Landfill Mineralized Refuse and Selection of Degradation Degree Indexes. <b>2021</b> , 55, 13802-13811	4

329	Terrestrial Biota as Bioindicators for Microplastics and Potentially Toxic Elements. <b>2021</b> , 11, 1152		4
328	Temporal Variability of Microparticles Under the Seattle Aquarium, Washington State: Documenting the Global Covid-19 Pandemic. <b>2021</b> ,		2
327	Current Insights into Potential Effects of Micro-Nanoplastics on Human Health by Tests.. <b>2021</b> , 3, 752140		6
326	Distribution and transport of microplastics in the upper 1150 m of the water column at the Eastern North Atlantic Subtropical Gyre, Canary Islands, Spain. <b>2021</b> , 788, 147802		6
325	Biofilm on microplastics in aqueous environment: Physicochemical properties and environmental implications. <b>2022</b> , 424, 127286		16
324	Identification of microplastics in conventional drinking water treatment plants in Tehran, Iran.. <b>2021</b> , 19, 1817-1826		1
323	Inclusion of shape parameters increases the accuracy of 3D models for microplastics mass quantification. <b>2021</b> , 171, 112749		2
322	A novel method for organic matter removal from samples containing microplastics. <i>Environmental Pollution</i> , <b>2021</b> , 286, 117357	9-3	4
321	Microplastic pollution in inshore and offshore surface waters of the southern Caspian Sea. <b>2021</b> , 281, 130896		8
320	Microplastics contamination in pearl-farming lagoons of French Polynesia. <b>2021</b> , 419, 126396		4
319	What remains on the beach after tourists leave? The case of Abaã beach (Sergipe, Brazil). <b>2021</b> , 171, 112700		1
318	Plastic pollution during COVID-19: Plastic waste directives and its long-term impact on the environment. <b>2021</b> , 5, 100119		18
317	Application of titanium dioxide for the photocatalytic degradation of macro- and micro-plastics: A review. <b>2021</b> , 9, 105964		10
316	Capture and characterisation of microplastics printed on paper via laser printer's toners. <b>2021</b> , 281, 130864		5
315	Abundance and characteristics of microplastics in commercially important bottom dwelling finfishes and shellfish of the Vembanad Lake, India. <b>2021</b> , 172, 112803		8
314	Microplastic pollution in perch ( <i>Perca fluviatilis</i> , Linnaeus 1758) from Italian south-alpine lakes. <i>Environmental Pollution</i> , <b>2021</b> , 288, 117782	9-3	10
313	Occurrence, distribution and affecting factors of microplastics in agricultural soils along the lower reaches of Yangtze River, China. <b>2021</b> , 794, 148694		22
312	Microplastics pollution: A comprehensive review on the sources, fates, effects, and potential remediation. <b>2021</b> , 16, 100530		2

311	Synthesis of uniform submicron poly(lactic acid)-based particles/capsules by radical precipitation polymerization. <b>2021</b> , 208, 112122	1
310	Effects of ingestion of polyethylene microplastics on survival rate, opercular respiration rate and swimming performance of African catfish ( <i>Clarias gariepinus</i> ). <b>2022</b> , 423, 127237	7
309	Microplastics in freshwater sediments: Analytical methods, temporal trends, and risk of associated organophosphate esters as exemplar plastics additives. <b>2022</b> , 203, 111830	7
308	Potential threats of nanoplastic accumulation in human induced pluripotent stem cells. <b>2022</b> , 427, 131841	4
307	Membrane bioreactor (MBR) as an advanced wastewater treatment technology for removal of synthetic microplastics. <b>2022</b> , 45-60	2
306	Deterjan bazlımaşineleri atık suyunun YDA ve EoL analizi ile değerlendirilmesi.	
305	Marine microplastics as vectors of major ocean pollutants and its hazards to the marine ecosystem and humans. <b>2021</b> , 8,	58
304	Degradation of Plastics Using Nanomaterials. <b>2021</b> , 2139-2151	1
303	Effects of Pollution on Fish. <b>2021</b> , 39-60	
302	Microplastics into the Anthropocene. <b>2020</b> , 1-16	2
301	Concerns and Threats of Contamination on Aquatic Ecosystems. <b>2020</b> , 1-26	31
300	Plastic and Microplastic Pollution: From Ocean Smog to Planetary Boundary Threats. <b>2020</b> , 229-240	3
299	Microplastics in seawater: sampling strategies, laboratory methodologies, and identification techniques applied to port environment. <b>2020</b> , 27, 8938	1
298	The Anthropocene. <b>2020</b> , 1257-1280	5
297	Microplastics Occurrence, Fate and Behaviour in the Environment. <b>2017</b> , 1-24	50
296	Microplastics distribution, abundance and composition in sediment, fishes and benthic organisms of the Gorgan Bay, Caspian sea. <b>2020</b> , 257, 127201	37
295	Microplastics and floating litter pollution in Bulgarian Black Sea coastal waters. <b>2020</b> , 156, 111225	18
294	The Anthropocene as a Geological Time Unit: A Guide to the Scientific Evidence and Current Debate. <b>2019</b> ,	63



293	Plastic in Marine Litter. <b>2018</b> , 21-59	2
292	Lexical Semantics for Terminology. <b>2020</b> ,	27
291	A mini-review on discharge characteristics and management of microplastics in sewage treatment plants. <b>2018</b> , 32, 337-348	2
290	High-resolution animal tracking with integration of environmental information in aquatic systems.	4
289	Transport of marine microplastic particles: why is it so difficult to predict?. <b>2019</b> , 2, 293-305	25
288	Plastic microbeads from cosmetic products: an experimental study of their hydrodynamic behaviour, vertical transport and resuspension in phytoplankton and sediment aggregates. <b>2018</b> , 6,	28
287	Potential Health Risks from Persistent Organic Pollutants (POPs) in Marine Ecosystem. <b>2016</b> , 8, 10-17	1
286	Plastic Litter as Pollutant in the Aquatic Environment: A mini-review. <b>2020</b> , 12, 167	2
285	Geosynthetic materials as a source of pollution of the marine environment by plastic debris. <b>2018</b> , 53, 15	3
284	Marine Debris Trends: 30 Years of Change on Ventura County and Channel Island Beaches. <b>2018</b> , 78, 328-340	2
283	Review Environmental Implications of Incineration of Municipal Solid Waste and Ash Disposal. <b>2020</b> , 59-79	1
282	Evaluation of Beach Pollution by Aquaculture Styrofoam Buoys in Tongyeong, Korea. <b>2014</b> , 17, 104-115	1
281	Extractable Additives in Microplastics: A Hidden Threat to Soil Fauna.	
280	Battling the known unknowns: a synoptic review of aquatic plastics research from Australia, the United Kingdom and China. <b>2021</b> , 23, 1663-1680	1
279	Metodologia de extraçã de microplásticos associados a sedimentos de ambientes de água doce. <b>2021</b> , 26, 749-756	0
278	Human Health Effects of Microplastics in Drinking Water: A Review. <b>2021</b> , 40-43	
277	Sophistication in a seemingly simple creature: a review of wild holothurian nutrition in marine ecosystems. <b>2021</b> ,	2
276	Release of the additive metals from 3 commonly used plastics during the degradation under the treatment of UV irradiation. <b>2021</b> , 1	1

275	Plastic Material Degradation and Formation of Microplastic in the Environment: A Review. <b>2021</b> ,	1
274	Bivalves as Biological Sieves: Bioreactivity Pathways of Microplastics and Nanoplastics. <b>2021</b> , 241, 185-195	1
273	Challenges and opportunities in sustainable management of microplastics and nanoplastics in the environment. <b>2021</b> , 207, 112179	12
272	Assessment of the Effects of Environmental Concentrations of Microplastics on the Aquatic Snail <i>Potamopyrgus antipodarum</i> . <b>2021</b> , 232, 1	4
271	Assessing the relationship between the abundance of microplastics in sediments, surface waters, and fish in the Iran southern shores. <b>2021</b> , 1	0
270	Microplastics in mangroves and coral reef ecosystems: a review. <b>2021</b> , 20, 1-20	8
269	Dropping the microbead: Source and sink related microplastic distribution in the Black Sea and Caspian Sea basins. <b>2021</b> , 173, 112982	2
268	Catching a Glimpse of the Lack of Harmonization Regarding Techniques of Extraction of Microplastics in Marine Sediments. <b>2017</b> , 151-152	
267	Panel Plastik Bertulang Hemat Energi. <b>2018</b> , 7, 54-59	
266	Survey on a Disposal Method of Contact Lenses after Use. <b>2018</b> , 20, 553-560	
265	Microplastic ingestion by a herring <i>Opisthonema</i> sp., in the Pacific coast of Costa Rica.	
264	Organic Matter in the Hydrosphere. <b>2020</b> , 823-845	
263	Degradation of Plastics Using Nanomaterials. <b>2020</b> , 1-13	2
262	Microwave-assisted rapid synthesis of C@Fe <sub>3</sub> O <sub>4</sub> composite for removal of microplastics from drinking water.	
261	Polystyrene microplastics induced female reproductive toxicity in mice. <b>2021</b> , 424, 127629	11
260	Label-free identification of microplastics in human cells: dark-field microscopy and deep learning study. <b>2021</b> , 1	4
259	Cloning and characterization of AMP-activated protein kinase genes in <i>Daphnia pulex</i> : Modulation of AMPK gene expression in response to polystyrene nanoparticles. <b>2021</b> , 583, 114-120	1
258	Tourist Behavior of Plastic Waste Reduction in the Coastal Area of Trang Province, Thailand. <b>2020</b> , 11, 165-169	0

257	Evaluation Techniques of the Chemical and Microbiological Water Quality in the Coastal Environment. <b>2020</b> , 207-233		1
256	ATIKSU ARITMA TESSLERİNDE MİKRO PLASTİKLER VE GİRİŞİM YÖNTEMLERİ 1577-1592		1
255	Determination of Microplastics in Sediment of Kelantan and Pattani Bay. 596, 012060		
254	Sorption of Potentially Toxic Elements to Microplastics. <b>2020</b> , 1-16		1
253	Environmental and Health Implications of Plastic Pollution. <b>2020</b> , 38-58		1
252	Organic Matter in the Hydrosphere. <b>2020</b> , 1-23		
251	Sustainable Plastic and Corporate Social Responsibility. <b>2020</b> , 1-21		1
250	Marine Plastic Debris. <b>2020</b> , 94-121		0
249	Microplastic pollution a real global danger. <b>2020</b> , 1, 14-18		
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