

# Is It or Isn't It: The Importance of Visual Classification in

Applied Spectroscopy

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Sample Preparation Techniques for the Analysis of Microplastics in Soil—A Review. Sustainability, 2020, 12, 9074.	1.6	109
2	Critical Review of Processing and Classification Techniques for Images and Spectra in Microplastic Research. Applied Spectroscopy, 2020, 74, 989-1010.	1.2	132
3	Marine mammals and microplastics: A systematic review and call for standardisation. Environmental Pollution, 2021, 269, 116142.	3.7	112
4	Semi-automated analysis of microplastics in complex wastewater samples. Environmental Pollution, 2021, 268, 115841.	3.7	72
5	Synthetic and Semi-Synthetic Microplastic Ingestion by Mesopelagic Fishes From Tristan da Cunha and St Helena, South Atlantic. Frontiers in Marine Science, 2021, 8, .	1.2	12
6	Microplastics distribution in the Eurasian Arctic is affected by Atlantic waters and Siberian rivers. Communications Earth & Environment, 2021, 2, .	2.6	68
7	Acute riverine microplastic contamination due to avoidable releases of untreated wastewater. Nature Sustainability, 2021, 4, 793-802.	11.5	92
8	Baseline Study on Microplastics in Indian Rivers under Different Anthropogenic Influences. Water (Switzerland), 2021, 13, 1648.	1.2	45
9	Results of WEPAL-QUASIMEME/NORMANs first global interlaboratory study on microplastics reveal urgent need for harmonization. Science of the Total Environment, 2021, 772, 145071.	3.9	34
10	Assessing plastic size distribution and quantity on a remote island in the South Pacific. Marine Pollution Bulletin, 2021, 167, 112366.	2.3	21
11	A Study of Microplastic Particles in Danish Tap Water. Water (Switzerland), 2021, 13, 2097.	1.2	21
12	Salt marsh sediments act as sinks for microplastics and reveal effects of current and historical land use changes. Environmental Advances, 2021, 4, 100060.	2.2	32
13	SU KAYNAKLARINDA MİKROPLASTİKLERİN VARLIĞI VE İNSAN SAĞLIĞI AÇISINDAN NEMİ. Veteriner Farmakoloji Ve Toksikoloji Derneği Bülteni, 2021, 12, 79-88.	0.1	0
14	Modeling and Parametric Simulation of Microplastic Transport in Groundwater Environments. Applied Sciences (Switzerland), 2021, 11, 7189.	1.3	10
15	Microplastic pollution in soil and groundwater: a review. Environmental Chemistry Letters, 2021, 19, 4211-4224.	8.3	144
16	Synthesis of dominant plastic microfibre prevalence and pollution control feasibility in Chinese freshwater environments. Science of the Total Environment, 2021, 783, 146863.	3.9	23
17	Microplastic in the water, sediments, and mussels of the Saint John River (Wolastoq) watershed, Atlantic Canada. Canadian Journal of Fisheries and Aquatic Sciences, 0, .	0.7	0
18	Ingestion of synthetic particles by fin whales feeding off western Iceland in summer. Chemosphere, 2021, 279, 130564.	4.2	12

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19	Microplastics and anthropogenic fibre concentrations in lakes reflect surrounding land use. <i>PLoS Biology</i> , 2021, 19, e3001389.	2.6	30
20	Spatio-temporal distribution of microplastics in a Mediterranean river catchment: The importance of wastewater as an environmental pathway. <i>Journal of Hazardous Materials</i> , 2021, 420, 126481.	6.5	53
21	Morphological description of microplastic particles for environmental fate studies. <i>Marine Pollution Bulletin</i> , 2021, 171, 112716.	2.3	42
22	The role of plastic debris in the biogeochemical cycle of mercury in Lake Erie and San Francisco Bay. <i>Marine Pollution Bulletin</i> , 2021, 171, 112768.	2.3	9
23	Understanding the occurrence and fate of microplastics in coastal Arctic ecosystems: The case of surface waters, sediments and walrus ( <i>Odobenus rosmarus</i> ). <i>Science of the Total Environment</i> , 2021, 792, 148308.	3.9	31
24	Microplastic pollution in the Weser estuary and the German North Sea. <i>Environmental Pollution</i> , 2021, 288, 117681.	3.7	33
25	Stranded in the high tide line: Spatial and temporal variability of beached microplastics in a semi-enclosed embayment (Arcachon, France). <i>Science of the Total Environment</i> , 2021, 797, 149144.	3.9	18
26	How fast, how far: Diversification and adoption of novel methods in aquatic microplastic monitoring. <i>Environmental Pollution</i> , 2021, 291, 118174.	3.7	1
27	Investigating micro-sized anthropogenic particles in Norwegian fjords using opportunistic nondisruptive sampling. <i>Anthropocene Coasts</i> , 2020, 3, 76-85.	0.6	2
28	Application of hyperspectral imaging technology in the rapid identification of microplastics in farmland soil. <i>Science of the Total Environment</i> , 2022, 807, 151030.	3.9	30
29	Ingestion of plastics and other debris by coastal and pelagic birds along the coast of Espírito Santo, Eastern Brazil. <i>Marine Pollution Bulletin</i> , 2021, 173, 113046.	2.3	7
30	Fate of microplastics in agricultural soils amended with sewage sludge: Is surface water runoff a relevant environmental pathway?. <i>Environmental Pollution</i> , 2022, 293, 118520.	3.7	37
31	Evidence for Microplastics Contamination of the Remote Tributary of the Yenisei River, Siberia—The Pilot Study Results. <i>Water (Switzerland)</i> , 2021, 13, 3248.	1.2	12
32	Anthropogenic Microfibers are Highly Abundant at the Burdwood Bank Seamount, a Protected Sub-Antarctic Environment in the Southwestern Atlantic Ocean. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
33	Quantification and Characterisation of Pre-Production Pellet Pollution in the Avon-Heathcote Estuary/Ihuta, Aotearoa-New Zealand. <i>Microplastics</i> , 2022, 1, 67-84.	1.6	0
34	Recent Advances in Spectroscopic Techniques for the Analysis of Microplastics in Food. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 1410-1422.	2.4	27
35	Investigation and analysis of microplastics in sewage sludge and biosolids: A case study from one wastewater treatment works in the UK. <i>Science of the Total Environment</i> , 2022, 823, 153735.	3.9	58
37	Uptake of microplastics by the snakelocks anemone ( <i>Anemonia viridis</i> ) is commonplace across environmental conditions. <i>Science of the Total Environment</i> , 2022, 836, 155144.	3.9	5

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38	Learning from natural sediments to tackle microplastics challenges: A multidisciplinary perspective. <i>Earth-Science Reviews</i> , 2022, 228, 104021.	4.0	62
39	Microplastics concentration in bivalve of economic importance, a case study on the southeastern Brazilian coast. <i>Regional Studies in Marine Science</i> , 2022, 52, 102346.	0.4	2
40	Coverage of microplastic data underreporting and progress toward standardization. <i>Science of the Total Environment</i> , 2022, 829, 154727.	3.9	10
41	Spatial distribution of microplastics in volcanic lake water and sediments: Relationships with depth and sediment grain size. <i>Science of the Total Environment</i> , 2022, 829, 154659.	3.9	14
42	Microplastic occurrence in deep-sea fish species <i>Alepocephalus bairdii</i> and <i>Coryphaenoides rupestris</i> from the Porcupine Bank (North Atlantic). <i>Science of the Total Environment</i> , 2022, 834, 155150.	3.9	4
43	Flow Cytometry as a Rapid Alternative to Quantify Small Microplastics in Environmental Water Samples. <i>Water (Switzerland)</i> , 2022, 14, 1436.	1.2	14
44	Microplastics distribution and possible ingestion by fish in lacustrine waters (Lake Bracciano, Italy). <i>Environmental Science and Pollution Research</i> , 2022, 29, 68179-68190.	2.7	4
45	Anthropogenic microfibers are highly abundant at the Burdwood Bank seamount, a protected sub-Antarctic environment in the Southwestern Atlantic Ocean. <i>Environmental Pollution</i> , 2022, 306, 119364.	3.7	6
46	A fit-for-purpose categorization scheme for microplastic morphologies. <i>Integrated Environmental Assessment and Management</i> , 2023, 19, 422-435.	1.6	6
47	Microplastic pollution in the surface water and sediments from Kallar Kahar wetland, Pakistan: occurrence, distribution, and characterization by ATR-FTIR. <i>Environmental Monitoring and Assessment</i> , 2022, 194, .	1.3	10
48	Are bivalves a source of microplastics for humans? A case study in the Brazilian markets. <i>Marine Pollution Bulletin</i> , 2022, 181, 113823.	2.3	9
49	Monitoring of microplastic pollution in the Arctic: recent developments in polymer identification, quality assurance and control, and data reporting. <i>Arctic Science</i> , 2023, 9, 176-197.	0.9	21
50	Temporal changes of plastic litter and associated encrusting biota: Evidence from Central Italy (Mediterranean Sea). <i>Marine Pollution Bulletin</i> , 2022, 181, 113890.	2.3	15
51	Temporal trends in anthropogenic marine macro-debris and micro-debris accumulation on the California Channel Islands. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	3
52	Change in microplastic concentration during various temporal events downstream of a combined sewage overflow and in an urban stormwater creek. <i>Frontiers in Water</i> , 0, 4, .	1.0	7
53	Microplastics profile in constructed wetlands: Distribution, retention and implications. <i>Environmental Pollution</i> , 2022, 313, 120079.	3.7	20
54	Quantification and characterization of microplastics in commercial fish from southern New Zealand. <i>Marine Pollution Bulletin</i> , 2022, 184, 114121.	2.3	24
55	Microplastic contamination in terrestrial ecosystems: A study using barn owl ( <i>Tyto alba</i> ) pellets. <i>Chemosphere</i> , 2022, 308, 136281.	4.2	12

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56	Quantitative assessment of visual microscopy as a tool for microplastic research: Recommendations for improving methods and reporting. <i>Chemosphere</i> , 2022, 308, 136449.	4.2	27
57	Effects of spatially heterogeneous lakeside development on nearshore biotic communities in a large, deep, oligotrophic lake. <i>Limnology and Oceanography</i> , 2022, 67, 2649-2664.	1.6	4
59	Detection, characterization and possible biofragmentation of synthetic microfibers released from domestic laundering wastewater as an emerging source of marine pollution. <i>Marine Pollution Bulletin</i> , 2022, 185, 114254.	2.3	23
60	Representative subsampling methods for the chemical identification of microplastic particles in environmental samples. <i>Chemosphere</i> , 2023, 310, 136772.	4.2	16
61	Microplastics in gastric samples from common bottlenose dolphins ( <i>Tursiops truncatus</i> ) residing in Sarasota Bay FL (USA). <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	4
62	What determines accuracy of chemical identification when using microspectroscopy for the analysis of microplastics?. <i>Chemosphere</i> , 2023, 313, 137300.	4.2	12
63	Deep learning based approach for automated characterization of large marine microplastic particles. <i>Marine Environmental Research</i> , 2023, 183, 105829.	1.1	4
64	Spatial and temporal variability of microplastic abundance in estuarine intertidal sediments: Implications for sampling frequency. <i>Science of the Total Environment</i> , 2023, 859, 160308.	3.9	9
65	Are microplastics contributing to pollution-induced neurotoxicity? A pilot study with wild fish in a real scenario. <i>Heliyon</i> , 2023, 9, e13070.	1.4	9
66	Easy and accessible way to calibrate a fluorescence microscope and to create a microplastic identification key. <i>MethodsX</i> , 2023, 10, 102053.	0.7	7
67	Estimated discharge of microplastics via urban stormwater during individual rain events. <i>Frontiers in Environmental Science</i> , 0, 11, .	1.5	6
68	Could spatial variation be more important than species identity in determining the presence of microplastics in temperate sponges?. <i>New Zealand Journal of Marine and Freshwater Research</i> , 0, , 1-19.	0.8	2
69	Finding the Balance between Research and Monitoring: When Are Methods Good Enough to Understand Plastic Pollution?. <i>Environmental Science &amp; Technology</i> , 2023, 57, 6033-6039.	4.6	10
70	Common laboratory reagents: Are they a double-edged sword in microplastics research?. <i>Science of the Total Environment</i> , 2023, 875, 162610.	3.9	6
71	Presence of microplastics and microparticles in Oregon Black Rockfish sampled near marine reserve areas. <i>PeerJ</i> , 0, 11, e14564.	0.9	1
72	A first step to assess suspended microplastics in a freshwater wetland from the coastal region of Ecuador. <i>Frontiers in Environmental Science</i> , 0, 11, .	1.5	1
73	Study of the Plasticization Effect of 1-Ethyl-3-methylimidazolium Acetate in TPS/PVA Biodegradable Blends Produced by Melt-Mixing. <i>Polymers</i> , 2023, 15, 1788.	2.0	1
79	Application of liquid chromatography in studies of microplastics. , 2023, , 579-605.		0

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94	A review of recent progress in the application of Raman spectroscopy and SERS detection of microplastics and derivatives. <i>Mikrochimica Acta</i> , 2023, 190, .	2.5	3
108	Detection and Identification of Microplastics in Food and the Environment. , 2024, , 57-74.		0