

References

- Alam MW, Zafar M. 2012. Occurrences of Salmonella spp. in water and soil sample of the Karnafuli river estuary. *Microbes and Health*, 1(2): 41-45.
- Al Nahian S, Rakib MRJ, Haider SMB, Kumar R, Mohsen M, Sharma P, Khandaker MU. 2022. Occurrence, spatial distribution, and risk assessment of microplastics in surface water and sediments of Saint Martin Island in the Bay of Bengal. *Marine Pollution Bulletin*. 179: 113720.
- Auta HS, Emenike CU, Fauziah SH. 2017. Distribution and importance of microplastics in the marine environment: a review of the sources, fate, effects, and potential solutions. *Environment international*.102: 165-176.
- Bian P, Liu Y, Zhao K, Hu Y, Zhang J, Kang L, Shen W. 2022. Spatial variability of microplastic pollution on surface of rivers in a mountain-plain transitional area: A case study in the Chin Ling-Wei River Plain, China. *Ecotoxicology and Environmental Safety*. 232: 113298.
- Blettler MC, Abrial E, Khan FR, Sivri N, Espinola LA. 2018. Freshwater plastic pollution: Recognizing research biases and identifying knowledge gaps. *Water research* 143: 416-424.
- Bonyadi Z, Maghsodian Z, Zahmatkesh M, Nasiriara J, Ramavandi B. 2022. Investigation of microplastic pollution in Torghabeh River sediments, northeast of Iran. *Journal of Contaminant Hydrology*. 250: 104064.
- Boucher J and Friot D. 2017. Primary microplastics in the oceans: a global evaluation of sources (Vol. 10). Gland, Switzerland.
- Carpenter EJ, Anderson SJ, Harvey GR, Miklas HP, Peck BB. 1972. Polystyrene spherules in coastal waters. *Science*. 178(4062): 749-750.

- Claessens M, Van Cauwenberghe L, Vandegehuchte MB, Janssen CR. 2013. New techniques for the detection of microplastics in sediments and field collected organisms. *Marine pollution bulletin*. 70(1-2): 227-233.
- Cole M, Lindeque P, Halsband C, Galloway TS. 2011. Microplastics as contaminants in the marine environment: a review. *Marine pollution bulletin*. 62(12): 2588-2597.
- Coppock RL, Cole M, Lindeque PK, Queirós AM, Galloway TS. 2017. A small-scale, portable method for extracting microplastics from marine sediments. *Environmental Pollution*. 230: 829-837.
- Crawford CB and Quinn B. 2016. *Microplastic pollutants*. Elsevier Limited.
- Earn A, Bucci K, Rochman CM. 2021. A systematic review of the literature on plastic pollution in the Laurentian Great Lakes and its effects on freshwater biota. *Journal of Great Lakes Research*. 47(1): 120-133.
- Egessa R, Nankabirwa A, Ocaya H, Pabire WG. 2020. Microplastic pollution in surface water of Lake Victoria. *Science of the Total Environment*. 741: 140201.
- Fiore L, Serranti S, Mazziotti C, Riccardi E, Benzi M, Bonifazi G. 2022. Classification and distribution of freshwater microplastics along the Italian Po river by hyperspectral imaging. *Environmental Science and Pollution Research*. 1-19.
- Galloway TS. 2015. Micro-and nano-plastics and human health. In *Marine anthropogenic litter*. Springer, Cham. 343-366.
- Geyer R, Jambeck JR, Law KL. 2017. Production, use, and fate of all plastics ever made. *Science advances*. 3(7): e1700782.

- Guerranti C, Cannas S, Scopetani C, Fastelli P, Cincinelli A, Renzi M. 2017. Plastic litter in aquatic environments of Maremma Regional Park (Tyrrhenian Sea, Italy): Contribution by the Ombrone river and levels in marine sediments. *Marine Pollution Bulletin*. 117(1-2): 366-370.
- Hanke G, Galgani F, Werner S, Oosterbaan L, Nilsson P, Fleet D, Liebezeit G. 2013. Guidance on monitoring of marine litter in European seas: a guidance document within the common implementation strategy for the marine strategy framework directive.
- Hossain MS, Islam MS, Chowdhury MAT. 2005. Shore based pollution sources of the karnafully river and the effects of oil-grease on the riverine environment. *The Journal of Geo-Environment*. 5: 55-66.
- Hossain MJ, AftabUddin S, Akhter F, Nusrat N, Rahaman A, Sikder MNA, Zhang J. 2022. Surface water, sediment, and biota: The first multi-compartment analysis of microplastics in the Karnafully river, Bangladesh. *Marine Pollution Bulletin*. 180: 113820.
- Hossain MB, Banik P, Nur AAU, Rahman T. 2021. Abundance and characteristics of microplastics in sediments from the world's longest natural beach, Cox's Bazar, Bangladesh. *Marine Pollution Bulletin*. 163: 111956.
- Huang Z, Bu J, Wang H. 2022. Application of two modified kaolin materials in removing micro-plastics from water. *Journal of Material Cycles and Waste Management*. 1-16.
- Hu D, Zhang Y, Shen M. 2020. Investigation on microplastic pollution of Dongting Lake and its affiliated rivers. *Marine Pollution Bulletin*. 160: 111555.

- Islam MS, Islam Z, Hasan MR. 2022. Pervasiveness and characteristics of microplastics in surface water and sediment of the Buriganga River, Bangladesh. *Chemosphere*. 307: 135945.
- Kabir AE, Sekine M, Imai T, Yamamoto K, Kanno A, Higuchi T. 2021. Assessing small-scale freshwater microplastics pollution, land-use, source-to-sink conduits, and pollution risks: Perspectives from Japanese rivers polluted with microplastics. *Science of the Total Environment*. 768: 144655.
- Kor K and Mehdinia A. 2020. Neustonic microplastic pollution in the Persian Gulf. *Marine pollution bulletin* 150: 110665.
- Laskar N and Kumar U. 2019. Plastics and microplastics: A threat to environment. *Environmental technology & innovation*. 14: 100352.
- Lechner A and Ramler D. 2015. The discharge of certain amounts of industrial microplastic from a production plant into the River Danube is permitted by the Austrian legislation. *Environmental Pollution*. 200: 159-160.
- Lestari P, Trihadiningrum Y, Firdaus M, Warmadewanthi IDAA. 2021. Microplastic pollution in Surabaya river water and aquatic biota, Indonesia. In *IOP conference series: materials science and engineering*. 1143: 012054.
- Li S, Wang Y, Liu L, Lai H, Zeng X, Chen J, Luo Q. 2021(a). Temporal and Spatial Distribution of Microplastics in a Coastal Region of the Pearl River Estuary, China. *Water*. 13(12): 1618.
- Li J, Ouyang Z, Liu P, Zhao X, Wu R, Zhang C, Guo X. 2021(b). Distribution and characteristics of microplastics in the basin of Chishui River in Renhuai, China. *Science of The Total Environment*. 773: 145591.

- Li WC, Tse HF, Fok L. 2016. Plastic waste in the marine environment: A review of sources, occurrence and effects. *Science of the total environment*, 566, 333-349.
- Lusher A. (2015). Microplastics in the marine environment: distribution, interactions and effects. In *Marine anthropogenic litter*. Springer, Cham. 245-307.
- Martí E, Martín C, Galli M, Echevarría F, Duarte CM, Cózar A. 2020. The colors of the ocean plastics. *Environmental Science & Technology*. 54(11): 6594-6601.
- Masura J, Baker J, Foster G, Arthur C. 2015. *Laboratory Methods for the Analysis of Microplastics in the Marine Environment: Recommendations for quantifying synthetic particles in waters and sediments*. NOAA Marine Debris Division 15.
- Murawski J and She J. 2020. Fate and dynamic of marine micro plastics in the Baltic Sea. In *EGU General Assembly Conference Abstracts*. 21297.
- Patti TB, Fobert EK, Reeves SE, da Silva KB. 2020. Spatial distribution of microplastics around an inhabited coral island in the Maldives, Indian Ocean. *Science of the Total Environment*. 748: 141263.
- Periyasamy AP and Tehrani-Bagha A. 2022. A review of microplastic emission from textile materials and its reduction techniques. *Polymer Degradation and Stability*. 109901.
- Prata JC, da Costa JP, Duarte AC, Rocha-Santos T. 2019. Methods for sampling and detection of microplastics in water and sediment: a critical review. *TrAC Trends in Analytical Chemistry*. 110: 150-159.

- Rahman SMA, Robin GS, Momotaj M, Uddin J, Siddique MAM. 2020. Occurrence and spatial distribution of microplastics in beach sediments of Cox's Bazar, Bangladesh. *Marine Pollution Bulletin*. 160: 111587.
- Rakib M, Jahan R, Hossain MB, Kumar R, Ullah M, Al Nahian S, Sayed MM. 2022. Spatial distribution and risk assessments due to the microplastics pollution in sediments of Karnaphuli River Estuary, Bangladesh. *Scientific Reports*. 12(1): 1-15.
- Ribeiro F, O'Brien JW, Galloway T, Thomas KV. 2019. Accumulation and fate of nano-and micro-plastics and associated contaminants in organisms. *TrAC Trends in analytical chemistry*. 111: 139-147.
- Saliu F, Montano S, Garavaglia MG, Lasagni M, Seveso D, Galli P. 2018. Microplastic and charred microplastic in the Faafu Atoll, Maldives. *Marine pollution bulletin*. 136: 464-471.
- Sarker S, Huda AS, Niloy MNH, Chowdhury GW. 2022. Trophic transfer of microplastics in the aquatic ecosystem of Sundarbans mangrove forest, Bangladesh. *Science of The Total Environment*. 155896.
- Shadia N, Sharmin S, Ayshi FT, Ali MA. 2020. Occurrence and quantification of microplastics in the selected waterbodies of Dhaka city. In *Proceedings of the 5th International Conference on Civil Engineering for Sustainable Development (ICCESD 2020)*: ICCESD-2020-4251-1-ICCESD-2020-4251-9. KUET, Khulna, Bangladesh: ICCESD.
- Song YK, Hong SH, Jang M, Han GM, Shim WJ. 2015. Occurrence and distribution of microplastics in the sea surface microlayer in Jinhae Bay, South Korea. *Archives of environmental contamination and toxicology*. 69(3): 279-287.

- Sruthy S and Ramasamy EV. 2017. Microplastic pollution in Vembanad Lake, Kerala, India: the first report of microplastics in lake and estuarine sediments in India. *Environmental pollution*. 222: 315-322.
- Tajwar M, Yousuf Gazi M, Saha SK. 2022. Characterization and spatial abundance of microplastics in the coastal regions of Cox's Bazar, Bangladesh: An integration of field, laboratory, and GIS techniques. *Soil and Sediment Contamination: An International Journal*. 31(1): 57-80.
- Tanaka K, Takada H, Yamashita R, Mizukawa K, Fukuwaka MA, Watanuki Y. (2013). Accumulation of plastic-derived chemicals in tissues of seabirds ingesting marine plastics. *Marine pollution bulletin*. 69(1-2): 219-222.
- Thompson RC, Olsen Y, Mitchell RP, Davis A, Rowland SJ, John AW, Russell AE. 2004. Lost at sea: where is all the plastic. *Science*. 304(5672): 838-838.
- Thompson A. 2018. Earth has a hidden plastic problem—scientists are hunting it down. *Scientific American*.
- Thushari GGN and Senevirathna JDM. 2020. Plastic pollution in the marine environment. *Heliyon*. 6(8): e04709.
- Uddin MR, Bhuyain RH, Ali ME, Ahsan MA. 2019. Pollution and ecological risk evaluate for the environmentally impact on Karnaphuli River, Bangladesh. 4: 38-48.
- Viršek MK, Palatinus A, Koren Š, Peterlin M, Horvat P, Kržan A. 2016. Protocol for microplastics sampling on the sea surface and sample analysis. *JoVE (Journal of Visualized Experiments)*. 118: e55161.

- Xiong X, Liu Q, Chen X, Wang R, Duan M, Wu C. 2021. Occurrence of microplastic in the water of different types of aquaculture ponds in an important lakeside freshwater aquaculture area of China. 282: 131126.
- Xiong X, Zhang K, Chen X, Shi H, Luo Z, Wu C. 2018. Sources and distribution of microplastics in China's largest inland lake–Qinghai Lake. *Environmental pollution*. 235: 899-906.
- Xiong X, Wu C, Elser JJ, Mei Z, Hao Y. 2019. Occurrence and fate of microplastic debris in middle and lower reaches of the Yangtze River—from inland to the sea. *Science of the Total Environment*. 659: 66-73.
- Yin L, Jiang C, Wen X, Du C, Zhong W, Feng Z, Ma Y. 2019. Microplastic pollution in surface water of urban lakes in Changsha, China. *International Journal of Environmental Research and Public Health*. 16(9): 1650.
- Ziajahromi S, Kumar A, Neale PA, Leusch FD. 2018. Environmentally relevant concentrations of polyethylene microplastics negatively impact the survival, growth and emergence of sediment-dwelling invertebrates. *Environmental Pollution*. 236: 425-431.
- Zhou Y, He G, Jiang X, Yao L, Ouyang L, Liu X, Liu Y. 2021. Microplastic contamination is ubiquitous in riparian soils and strongly related to elevation, precipitation and population density. *Journal of Hazardous Materials*. 411: 125178.