

REFERENCES

- Adebayo, I. A. 2017. Determination of heavy metals in water, fish and sediment from Ureje water reservoir. *Journal of Environment and Analytical Toxicology*, 7(4), 1-4. <https://doi.org/10.19080/OFOAJ.2017.04.555628>
- Akhbarizadeh, R., F. Moore., & B. Keshavarzi. 2019). Investigating microplastics bioaccumulation and biomagnification in seafood from the Persian Gulf: a threat to human health? *Food Additives & Contaminants: Part A*, 36(11), 1696-1708. <https://doi.org/10.1080/19440049.2019.1649473>
- Alina, A. A., T. R. Soeprbowati., & F. Muhammad. 2015. Kualitas air Rawa Jombor Klaten, Jawa Tengah berdasarkan komunitas fitoplankton. *Jurnal Biologi*, 4(3): 41 – 52.
- Amelia, T. S. M., W. M. A. W. M. Khalik., M. C. Ong., Y. T. Shao., H. J. Pan., & K. Bhubalan. 2021. Marine microplastics as vectors of major ocean pollutants and its hazards to the marine ecosystem and humans. *Progress in Earth and Planetary Science*, 8(1), 1-26. <https://doi.org/10.1186/s40645-020-00405-4>
- Amin, R. M., E. S. Sohaimi., S. T. Anuar., & Z. Bachok, Z. 2020. Microplastic ingestion by zooplankton in Terengganu coastal waters, southern South China Sea. *Marine Pollution Bulletin*, 150, 110616. <https://doi.org/10.1016/j.marpolbul.2019.110616>
- Amirah, M. N., A. S. Afiza., W.I.W Faizal., M. H. Nurliyana., & S. Laili, S. 2013. Human health risk assessment of metal contamination through consumption of fish. *Journal of Environment Pollution and Human Health*, 1(1), 1-5. <https://doi.org/10.12691/jephh-1-1-1>
- Andrady, A. L. 2011. Microplastics in the marine environment. *Marine Pollution Bulletin*, 62(8), 1596–1605. <https://doi.org/10.1016/j.marpolbul.2011.05.030>
- Andrady, A. L. 2017. The plastic in microplastics: A review. *Marine Pollution Bulletin*, 119(1), 12–22. <https://doi.org/10.1016/j.marpolbul.2017.01.082>
- Arthur, C., J. Baker., & H. Bamford. 2009. Effects and fate of microplastic marine debris. In: *Proceedings of the International Research Workshop on the Occurrence, Silver Spring*, September 9–11, 2008. NOAA Technical Memorandum NOS-OR & R-30. NOAA.
- Arumsari K. 2019. Keanekaragaman larva bentonik Chironomidae dan bakteri di sedimen tercemar materi organik, Rawa Jombor, Jawa Tengah. *Tesis*. Universitas Gadjah Mada.
- Asare, M. L., S. J. Cobbina., F. J. Akpabey., A. B Duwiejuah., & Z. N. Abuntori. 2018. Heavy metal concentration in water, sediment and fish species in the

- Bontanga reservoir, Ghana. *Toxicology and Environmental Health Sciences*, 10(1), 49-58. <https://doi.org/10.1007/s13530-018-0346-4>
- Atmawati, S. N. 2012. Perbedaan keanekaragaman zooplankton di daerah sekitar keramba dan sekitar warung apung Rawa Jombor hubungannya dengan kualitas perairan. *Skripsi*. Universitas Negeri Yogyakarta.
- Baalkhuyur, F.M., E. J. A. B. Dohaish., M. E. A. Elhalwagy., N. M. Alikunhi., A. M. AlSuwailem., A. Røstad., D. J. Coker., M. L. Berumen., & C. M. Duarte., 2018. Microplastic in the gastrointestinal tract of fishes along the Saudi Arabian Red Sea coast. *Marine Pollution Bulletin* 131, 407–415. <https://doi.org/10.1016/j.marpolbul.2018.04.040>
- Barboza, L.G.A., Frias, J.P.G.L., Booth, A.M., Vieira, L.R., Masura, J., Baker, J., Foster, G., & Guilhermino, L., 2019. *Microplastics Pollution in the Marine Environment v. 3. In: Sheppard, C. (Ed.), World Seas: An Environmental Evaluation. Volume III: Ecological Issues and Environmental Impacts. 2ed. Academic Press (Elsevier), London, pp. 329–351. https://doi.org/10.1016/B978-0-12-805052-1.00020-6*
- Barboza, L. G. A., C. Lopes., P. Oliveira., F. Bessa., V. Otero., B. Henriques., J. Raimundo, M. Caetano, C. Vale, & L. Guilhermino. 2020. Microplastics in wild fish from North East Atlantic Ocean and its potential for causing neurotoxic effects, lipid oxidative damage, and human health risks associated with ingestion exposure. *Science of the total environment*, 717, 134625. <https://doi.org/10.1016/j.scitotenv.2019.134625>
- Barnes, D. K. A., F. Galgani., R. C. Thompson., & M. Barlaz. 2009. Accumulation and fragmentation of plastic debris in global environments. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 364(1526), 1985–1998. <https://doi.org/10.1098/rstb.2008.0205>
- Bellasi, A., G. Binda., A. Pozzi., S. Galafassi., P. Volta., & R. Bettinetti. 2020. Microplastic contamination in freshwater environments: A review, focusing on interactions with sediments and benthic organisms. *Environments*, 7(4), 30. <https://doi.org/10.3390/environments7040030>
- Bessa. F., P. Barría., J. M. Neto., J. P.G.L. Frias., V. Otero., P. Sobral., & J. C. Marques. 2018. Occurrence of microplastics in commercial fish from a natural estuarine environment. *Marine Pollution Bulletin* 128, 575 – 584. <https://doi.org/10.1016/j.marpolbul.2018.01.044>
- Bordós, G., B. Urbányi., A. Micsinai., B. Kriszt., Z. Palotai., I. Szabó., Z. Hantosi., & S. Szoboszlai., 2019. Identification of microplastics in fish ponds and natural freshwater environments of the Carpathian basin, Europe. *Chemosphere*, 216, 110-116. <https://doi.org/10.1016/j.chemosphere.2018.10.110>
- Brennecke, D., B. Duarte., F. Paiva., I. Caçador., & J. Canning-Clode. 2016. Microplastics as vector for heavy metal contamination from the marine

- environment. *Estuarine, Coastal and Shelf Science*, 178, 189-195.
<https://doi.org/10.1016/j.ecss.2015.12.003>
- Browne, M. A., P. Crump., S.J. Niven., E. Teuten., A. Tonkin., T. Galloway., & R. Thompson. 2011. Accumulation of Microplastic on Shorelines Worldwide: Sources and Sinks. *Environmental Science & Technology*, 45(21), 9175–9179. <https://doi.org/10.1021/es201811s>
- Campanale, C., C. Massarelli., I. Savino., V. Locaputo., & V.F. Uricchio. 2020. A detailed review study on potential effects of microplastics and additives of concern on human health. *International journal of environmental research and public health*, 17(4), 1212. <https://doi.org/10.3390/ijerph17041212>
- Cingotti, N., & G. K Jensen. 2019. Health and Environment Alliance (HEAL). Food Contact Materials and Chemical Contamination. *Health and Environment Alliance: Brussels, Belgium*.
- Cole, M., P. Lindeque., E. Fileman., C. Halsband., R. Goodhead., J. Moger., & T. S. Galloway. 2013. Microplastic ingestion by zooplankton. *Environmental Science & Technology*, 47(12), 6646-6655.
<https://doi.org/10.1021/es400663f>
- Cole, M., P. K. Lindeque., E. Fileman., J. Clark., C. Lewis., C. Halsband., & T. S. Galloway. 2016. Microplastics alter the properties and sinking rates of zooplankton faecal pellets. *Environmental Science & Technology*, 50(6), 3239-3246. <https://doi.org/10.1021/acs.est.5b05905>
- Collard, F., B. Gilbert., P. Compère., G. Eppe., K. Das., T. Jauniaux., & E. Parmentier. 2017. Microplastics in livers of European anchovies (*Engraulis encrasicolus*, L.). *Environmental pollution*, 229, 1000-1005.
<https://doi.org/10.1016/j.envpol.2017.07.089>
- Costa, E., V. Piazza., S. Lavorano., M. Faimali., F. Garaventa., & C. Gambardella. 2020. Trophic transfer of microplastics from Copepods to jellyfish in the marine environment. *Frontiers in Environmental Science*, 8, 158. <https://doi.org/10.3389/fenvs.2020.571732>
- Cox, K. D., G. A. Conventon, H. L. Davies., J. F. Dower., F. Juanes., & S. E. Dudas. 2019. Human consumption of microplastic. *Environmental Science and Technology* 53: 7068 – 7074. <https://doi.org/10.1021/acs.est.9b01517>
- de Paiva Magalhães. D., M. R da Costa Marques., & D. F Baptista. 2015. Metal bioavailability and toxicity in freshwaters. *Environmental Chemistry Letter* 13:69–87. <https://doi.org/10.1007/s10311-015-0491-9>
- do Sul, J.A., & Costa, M.F. 2014. The present and future of microplastic pollution in the marine environment. *Environmental Pollution*, 185, 352-364.
<http://dx.doi.org/10.1016/j.envpol.2013.10.036>
- Eriksen, M., S. Mason., S. Wilson., C. Box., A. Zellers., W. Edwards., H. Farley., & S. Amato. 2013. Microplastic pollution in the surface waters of the

Laurentian Great Lakes. *Marine Pollution Bulletin*, 77(1-2), pp.177-182.

<https://doi.org/10.1016/j.marpolbul.2013.10.007>

Fan, Y., K. Zheng., Z., Zhu., G., Chen., & X. Peng. 2019. Distribution, sedimentary record, and persistence of microplastics in the Pearl River catchment, China. *Environmental Pollution* 251: 862 – 870.

<https://doi.org/10.1016/j.envpol.2019.05.056>

Ferreira, M., J. Thompson., A. Paris., D. Rohindra., & C. Rico. 2020. Presence of microplastics in water, sediments and fish species in an urban coastal environment of Fiji, a Pacific small island developing state. *Marine Pollution Bulletin*, 153, 110991.

<https://doi.org/10.1016/j.marpolbul.2020.110991>

Firmansyah, O. S., R. Prayogi., & R. Abdulah. 2019. Indonesian fish consumption: An analysis of dynamic panel regression model. In *IOP Conference Series: Earth and Environmental Science* (Vol. 246, No. 1, pp. 1755-1315).

Frias, J. P. G. L., V. Otero., dan P. Sobral. 2014. Evidence of microplastics in samples of zooplankton from Portuguese coastal waters. *Marine Environmental Research*, 95, 89-95.

<http://dx.doi.org/10.1016/j.marenvres.2014.01.001>

Gigault, J., A. ter Halle., M. Baudrimont., P. Pascal., F. Gauffre., T. Phi., H. E. Hadri., B. Grassl., dan S. Reynaud. 2018. Current opinion: What is a nanoplastic? *Environmental Pollution* 235:1030–1034.

<https://doi.org/10.1016/j.envpol.2018.01.024>

Godoy, V., G. Blázquez., M. Calero., L. Quesada., dan M. A. Martín-Lara. 2019. The potential of microplastics as carriers of metals. *Environmental Pollution*, 255, 113363. <https://doi.org/10.1016/j.envpol.2019.113363>

He, B., A. Goonetilleke., G. A. Ayoko., & L. Rintoul. 2020. Abundance, distribution patterns, and identification of microplastics in Brisbane River sediments, Australia. *Science of the Total Environment*, 700, 134467.

<https://doi.org/10.1016/j.scitotenv.2019.134467>

Hidalgo-Ruz, V., L. Gutow., R. C. Thompson., & M. Thiel. 2012. Microplastics in the marine environment: a review of the methods used for identification and quantification. *Environmental Science & Technology*, 46(6), 3060-3075. <https://doi.org/10.1021/es2031505>

Horton, A.A., A. Walton., D. J. Spurgeon., E. Lahive., & C. Svendsen. 2017. Microplastics in freshwater and terrestrial environments: evaluating the current understanding to identify the knowledge gaps and future research priorities. *Science Total Environment*. 586,127–141.

<http://dx.doi.org/10.1016/j.scitotenv.2017.01.190>

- Hurley, J., J. Hardege., K. C. Wollenberg Valero., & S. Morley. 2021. In situ microplastics ingestion by Antarctic marine benthic invertebrates. In *EGU General Assembly Conference Abstracts* (pp. EGU21-10252).
- Indrayani, E. & S. Hadisusanto. 2008. Biomassa zoobentos, kandungan nutrisi sedimen dan kualitas air berdasarkan zonasi di Rawa Jombor, Kabupaten Klaten, Jawa Tengah. *Tesis*. Universitas Gadjah Mada.
- Jabeen, K., B. Li., Q. Chen., L. Su., C. Wu., H. Hollert., & H. Shi. 2018. Effects of virgin microplastics on goldfish (*Carassius auratus*). *Chemosphere*, 213, 323-332. <https://doi.org/10.1016/j.chemosphere.2018.09.031>
- Jiang, C., L. Yin., X. Wen., C. Du., L. Wu., Y. Long., Y. Liu., Y. Ma., Q. Yin., Z. Zhou., & H. Pan. 2018. Microplastics in sediment and surface water of west dongting lake and south dongting lake: abundance, source and composition. *International journal of environmental research and public health*, 15(10), 2164. <https://doi.org/10.3390/ijerph15102164>
- Julienne, F., N. Delorme., & F. Lagarde. 2019. From macroplastics to microplastics: role of water in the fragmentation of polyethylene. *Chemosphere*, 124409. <https://doi.org/10.1016/j.chemosphere.2019.124409>
- Jung, M.R., F. D. Horgen., S. V. Orski., V. Rodriguez., K.L. Beers., G. H. Balazs., T. T. Jones., T. M. Work., K.C. Brignac., S. J. Royer., & K.D. Hyrenbach. 2018. Validation of ATR FT-IR to identify polymers of plastic marine debris, including those ingested by marine organisms. *Marine Pollution Bulletin*, 127, 704-716. <https://doi.org/10.1016/j.marpolbul.2017.12.061>
- Kahlon, S.K. G. Sharma., J. M. Julka., A. Kumar., S. Sharma., & F. J. Stadler. 2018. Impact of heavy metals and nanoparticles on aquatic biota. *Environmental Chemistry Letters* 16(3):919–946. <https://doi.org/10.1007/s10311-018-0737-4>
- Kaposi, K. L., B. Mos., B. P. Kelaher., & S. A. Dworjanyn. 2014. Ingestion of microplastic has limited impact on a marine larva. *Environmental Science & Technology*, 48(3), 1638-1645. <https://doi.org/10.1021/es404295e>
- Käppler, A., F. Windrich., M. G. J. Löder., Malanin. M., Fischer. D., Labrenz. M., Eichhorn. K., & B. Voit. 2015. Identification of microplastics by FTIR and Raman microscopy: a novel silicon filter substrate opens the important spectral range below 1300 cm⁻¹ for FTIR transmission measurements. *Anal Bioanal Chem* 407, 6791–6801 (2015). <https://doi.org/10.1007/s00216-015-8850-8>

- Käppler, A., D. Fischer., S. Oberbeckmann., Schernewski. G., Labrenz. M., Eichhorn. K., & B. Voit. 2016. Analysis of environmental microplastics by vibrational microspectroscopy: FTIR, Raman or both?. *Anal Bioanal Chem* 408, 8377–8391. <https://doi.org/10.1007/s00216-016-9956-3>
- Kar, D., P. Sur., S.K. Mandai., T. Saha., & R. K. Kole. 2008. Assessment of heavy metal pollution in surface water. *International Journal of Environmental Science & Technology*, 5: 119-124.
- Khan, S., Q. Cao., Y. M Zheng., Y.Z Huang., & Y.G Zhu. 2008. Health risks of heavy metals in contaminated soils and food crops irrigated with wastewater in Beijing, China. *Environmental Pollution*; 152, 686–692. <https://doi.org/10.1016/j.envpol.2007.06.056>
- Kumar, S., M. Rajesh, K. M Rajesh., N. K. Suyani., A. A. Rasheeq, & K. S. Pratiksha. 2020. Impact of Microplastics on Aquatic Organisms and Human Health: A Review. *International Journal of Environmental Sciences & Natural Resources*, 26(2), 59-64. <https://doi.org/10.19080/IJESNR.2020.26.556185>
- Kusumaningtyas, F. 2015. Kandungan logam berat kadmium (Cd) pada ikan nila (*Oreochromis niloticus*), air, dan sedimen serta kualitas air di Rowo Jombor, Klaten. *Skripsi*. Universitas Sebelas Maret.
- Laghlimi, M., B. Baghdad, H. El Hadi, & A. Bouabdli. 2015. Phytoremediation mechanism of heavy metal contaminated soils: a review. *Open Journal of Ecology*, 5: 375-388. <https://doi.org/10.4236/oje.2015.58031>
- Lei. L., M. Liu., Y. Song., S. Lu., J. Hu., C. Cao., B., Xie., H. Shi., & D.He. 2018. Polystyrene (nano) microplastics cause size-dependent neurotoxicity, oxidative damage and other adverse effects in *Caenorhabditis elegans*. *Environment Sciences Nano* 5(8):2009–2020. <https://doi.org/10.1039/C8EN00412A>
- Li, J., X. Qu., L. Su., W. Zhang., D. Yang., P. Kolandhasamy., D. Li., & H. Shi. 2016. Microplastics in mussels along the coastal waters of China. *Environmental Pollution*, 214, 177-184. <https://doi.org/10.1016/j.envpol.2016.04.012>
- Li, W., H.S. Lo., H.M. Wong., M. Zhou., C.Y. Wong., N.F. Tam., S. G. Cheung. 2013. Potential risk assessment of heavy metals by consuming shellfish collected from Xiamen, China. *Environ Sci Pollut Res*, 20(5):2937–2947. <https://doi.org/10.1007/s11356-012-1207-3>
- Li, W., H S. Lo., H. M. Wong., M. Zhou., C. Y. Wong., N. F. Y. Tam., & S. G. Cheung. 2020. Heavy metals contamination of sedimentary microplastics in Hong Kong. *Marine Pollution Bulletin*, 153, 110977. <https://doi.org/10.1016/j.marpolbul.2020.110977>

- Liang, Y., R. Y. H. Cheung., & M. H. Wong. 1999. Reclamation of wastewater for polyculture of freshwater fish: bioaccumulation of trace metals in fish. *Water Research*, 33(11), 2690-2700. [https://doi.org/10.1016/S0043-1354\(98\)00473-4](https://doi.org/10.1016/S0043-1354(98)00473-4)
- Liu, X., Q. Song., Y. Tang., W. Li., J. Xu., & J. Wu. 2013. Human health risk assessment of heavy metals in soil-vegetable system: A multi-medium analysis. *Science Total Environmental*; 463–464, 530–540. <https://doi.org/10.1016/j.scitotenv.2013.06.064>
- Löder, M. G. J., M. Kuczera., S. Mintenig., C. Lorenz., & G. Gerdts. 2015. Focal plane array detector-based micro-Fourier-transform infrared imaging for the analysis of microplastics in environmental samples. *Environmental Chemistry*, 12(5), 563. <https://doi.org/10.1071/en14205>
- Lusher, A. L., N. A. Welden., P. Sobral., & M. Cole. 2017. Sampling, isolating and identifying microplastics ingested by fish and invertebrates. *Analytical Methods*, 9: 1346-1360 <https://doi.org/10.1039/c6ay02415g>
- Mani, T., A. Hauk., U. Walter., & P. Burkhardt-Holm. 2015. Microplastics profile along the Rhine River. *Scientific Reports*, 5(1), 1-7. <https://doi.org/10.1038/srep17988>
- McNeish, R., L. Kim, H. Barrett, S. Mason, J. Kelly, & T. Hoellein. 2018. Microplastic in riverine fish is connected to species traits. *Nature* 8:11639. <https://doi.org/10.1038/s41598-018-29980-9>
- Mensor, M., & A. Said. 2018. Determination of heavy metals in freshwater fishes of the Tigris River in Baghdad. *Fishes* 3(23): 1-6. <https://doi.org/10.3390/fishes3020023>
- Munier, B., & L. I. Bendell. 2018. Macro and micro plastics sorb and desorb metals and act as a point source of trace metals to coastal ecosystems. *PLoS One*, 13(2), e0191759. <https://doi.org/10.1371/journal.pone.0191759>
- Naqash, N., S. Prakash., D. Kapoor., & R. Singh. 2020. Interaction of freshwater microplastics with biota and heavy metals: a review. *Environmental Chemistry Letters*, 1-12. <https://doi.org/10.1007/s10311-020-01044-3>
- NCD Risk Factor Collaboration (NCD-RisC). 2020. Height and body-mass index trajectories of school-aged children and adolescents from 1985 to 2019 in 200 countries and territories: a pooled analysis of 2181 population-based studies with 65 million participants. *Lancet*, 396, 1511-1524. [https://doi.org/10.1016/S0140-6736\(20\)31859-6](https://doi.org/10.1016/S0140-6736(20)31859-6)
- Ozmen, M., Z. Ayas., A. Güngördü., G. F. Ekmekci., & S. Yerli. 2008. Ecotoxicological assessment of water pollution in Sariyar Dam Lake, Turkey. *Ecotoxicology and Environmental Safety*, 70(1), 163-173. <https://doi.org/10.1016/j.ecoenv.2007.05.011>

- Park, T. J., S. H. Lee., M. S. Lee., J. K. Lee., S. H. Lee., & K. D. Zoh. 2020. Occurrence of microplastics in the Han River and riverine fish in South Korea. *Science of The Total Environment*, 708, 134535. <https://doi.org/10.1016/j.scitotenv.2019.134535>
- Payton, T. G., B. A. Beckingham., & P. Dustan. 2020. Microplastic exposure to zooplankton at tidal fronts in Charleston Harbor, SC USA. *Estuarine, Coastal and Shelf Science*, 232, 106510. <https://doi.org/10.1016/j.ecss.2019.106510>
- Peng, J., J. Wang., & L. Cai. 2017. Current understanding of microplastics in the environment: occurrence, fate, risks, and what we should do. *Integrated environmental assessment and management*, 13(3), 476-482. <https://doi.org/10.1002/ieam.1912>
- Pervez, R., Y. Wang., Q. Mahmood., & Z. Jattak. 2020. Stereomicroscopic and Fourier Transform Infrared (FTIR) Spectroscopic Characterization of the Abundance, Distribution and Composition of Microplastics in the Beaches of Qingdao, China. *Analytical Letters*, 53(18), 2960-2977. <https://doi.org/10.1080/00032719.2020.1763379>
- Pinheiro, L. M., J. A. I. do Sul., & M. F. Costa. 2020. Uptake and ingestion are the main pathways for microplastics to enter marine benthos: A review. *Food Webs*, 24, e00150. <https://doi.org/10.1016/j.fooweb.2020.e00150>
- Rina, T. R. 2020. Pencemaran lingkungan perairan dan strategi pengelolaan untuk budidaya keramba jaring dan warung apung Rawa Jombor, Klaten, Jawa Tengah. *Tesis*. Universitas Gadjah Mada.
- Rochman, C.M., B. T. Hentschel, , & J. Swee. 2014. Long-term sorption of metals is similar among plastic types: implications for plastic debris in aquatic environments. *PLoS ONE* 9(1):e85433. <https://doi.org/10.1371/journal.pone.0085433>
- Ryan, P. G., Moore, C. J., van Franeker, J. A., & Moloney, C. L. 2009. Monitoring the abundance of plastic debris in the marine environment. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 364(1526), 1999 – 2012. <https://doi.org/10.1098/rstb.2008.0207>
- Salam, M. A., S. C. Paul., R. A. M. M. Zain., S. Bhowmik., M. R. Nath., S. A. Siddiqua., T. D. Aka., M. A. Iqbal., W. R. Kadir., R. B. Ahamad., M. A. Khaleque., A. E. Rak., & M. F. M. Amin. 2020. Trace metals contamination potential and health risk assessment of commonly consumed fish of Perak River, Malaysia. *Plos one*, 15(10), e0241320. <https://doi.org/10.1371/journal.pone.0241320>
- Shruti, V. C., M. P. Jonathan., P. F. Rodriguez-Espinosa., & F. Rodríguez-González, F. 2019. Microplastics in freshwater sediments of Atoyac River

- basin, Puebla city, Mexico. *Science of the Total Environment*, 654, 154-163. <https://doi.org/10.1016/j.scitotenv.2018.11.054>
- Stolte, A., S. Forster., G. Gerdts., & H. Schubert. 2015. Microplastic concentrations in beach sediments along the German Baltic coast. *Marine Pollution Bulletin*, 99(1-2), 216-229. <https://doi.org/10.1016/j.marpolbul.2015.07.022>
- Sun, X., J. Liang., M. Zhu., Y. Zhao., & B. Zhang. 2018. Microplastics in seawater and zooplankton from the Yellow Sea. *Environmental Pollution*, 242, 585-595. <https://doi.org/10.1016/j.envpol.2018.07.014>
- Turner, A., & L. A. Holmes. 2015. Adsorption of trace metals by microplastic pellets in fresh water. *Environmental Chemistry*, 12(5), 600-610. <https://doi.org/10.1071/EN14143>
- United States Environmental Protection Agency (US EPA). 2015. Integrated risk information system (IRIS). EPA, Washington, DC. Available from: <https://www.epa.gov/iris>.
- United States Environmental Protection Agency (US EPA). 2000. Guidance for assessing chemical contaminant data for use in fish advisories, volume 2: risk assessment and fish consumption limits, 3rd edition. Available from: <https://www.epa.gov/quality/guidance-assessingchemical-contaminant-data-use-fish-advisories-volume-2-risk-assessment>.
- Vendel, A.L., F. Bessa., V. E. N. Alves., A. L. A. Amorim., J. Patrício., & A. R. T. Palma. 2017. Widespread microplastic ingestion by fish assemblages in tropical estuaries subjected to anthropogenic pressures. *Marine Pollution Bulletin* 117, 448–455. <https://doi.org/10.1016/j.marpolbul.2017.01.081>
- Vianello, A., A. Boldrin., P. Guerriero., V. Moschino., R. Rella., A. Sturaro., & L. Da Ros. 2013. Microplastic particles in sediments of Lagoon of Venice, Italy: First observations on occurrence, spatial patterns and identification. *Estuarine, Coastal and Shelf Science*, 130, 54–61. <https://doi.org/10.1016/j.ecss.2013.03.022>
- Wagner. M., C. Scherer., D. Alvarez- Muñoz., N. Brennholt., X. Bourrain., S. Buchinger., E. Fries., C. Grosbois., J. Klasmeier., T. Marti., S. Rodriguez-Mozaz., R. Urbatzka., A. D. Vethaak., M. Winther-Nielsen., & G. Reifferscheid. 2014. Microplastics in freshwater ecosystems: what we know and what we need to know. *Environmental Sciences Europe* 26(1):1–9. <https://doi.org/10.1186/s12302-014-0012-7>
- Wang, J., J. Peng., Z. Tan., Y. Gao., Z. Zhan., Q. Chen., & L. Cai. 2017. Microplastics in the surface sediments from the Beijiang River littoral zone: composition, abundance, surface textures and interaction with heavy metals. *Chemosphere*, 171, 248-258. <https://doi.org/10.1016/j.chemosphere.2016.12.074>

- Wang, J., M. Wang., S. Ru., & X. Liu. 2019. High levels of microplastic pollution in the sediments and benthic organisms of the South Yellow Sea, China. *Science of the Total Environment*, 651, 1661-1669. <https://doi.org/10.1016/j.scitotenv.2018.10.007>
- Wang, Z., Y. Qin., W. Li., W. Yang., Q. Meng., & J. Yang. 2019. Microplastic contamination in freshwater: first observation in lake ulansuhai, yellow river basin, China. *Environmental Chemistry Letters*, 17(4), 1821-1830. <https://doi.org/10.1007/s10311-019-00888-8>
- World Health Organization (WHO). 2011. *Guidelines for drinking-water quality*. Geneva. Switzerland: WHO Press.
- Wright, S. L., & F. J. Kelly. 2017. Plastic and human health: a micro issue? *Environmental science & technology*, 51(12), 6634-6647. <https://doi.org/10.1021/acs.est.7b00423>
- Yan, M., H. Nie., K. Xu., Y. He., Y. Hu., Y. Huang., & J. Wang. 2019. Microplastic abundance, distribution and composition in the Pearl River along Guangzhou city and Pearl River estuary, China. *Chemosphere*, 217, 879-886. <https://doi.org/10.1016/j.chemosphere.2018.11.093>
- Yuan, W., X. Liu., W. Wang., M. Di., & J. Wang. 2019. Microplastic abundance, distribution and composition in water, sediments, and wild fish from Poyang Lake, China. *Ecotoxicology and environmental safety*, 170, 180-187. <https://doi.org/10.1016/j.ecoenv.2018.11.126>
- Ziajahromi, S., D. Drapper., A. Hornbuckle., L. Rintoul., & F. D. Leusch, F. D. 2020. Microplastic pollution in a stormwater floating treatment wetland: detection of tyre particles in sediment. *Science of the Total Environment*, 713, 136356. <https://doi.org/10.1016/j.scitotenv.2019.136356>