

ANDROMEDA Portfolio of Microplastics Analyses Protocols

Booth, Andy M.; Bouwens, Jan; Brandt, Josef; **Buhhalko, Natalja**; Catarino, Ana Isabel; De Witte, Bavo; Everaert, Gert; Foscari, Aurelio; **Lips, Urmas**; **Kikas, Villu**; **Lind, Kati** 2024

https://www.researchgate.net/publication/378775799_ANDROMEDA_Portfolio_of_Microplastics_Analyses_Protocols

A case study on microlitter and chemical contaminants: Assessing biological effects in the southern coast of the Gulf of Finland (Baltic sea) using the mussel *Mytilus trossulus* as a bioindicator

Kuprijanov, Ivan; **Buhhalko, Natalja**; Eriksson, Ulrika; Sjöberg, Viktor; Rotander, Anna; **Kolesova, Natalja**; **Lipp, Maarja**; **Buschmann, Fred**; Hashmi, Arslan; **Liblik, Taavi**; Lehtonen, Kari K. Marine environmental research 2024 / art. 106628

<https://doi.org/10.1016/j.marenvres.2024.106628> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Comparative analysis of microplastics detection methods applied to marine sediments: A case study in the Bay of Marseille

Gerigny, Olivia; Blanco, Gustavo; **Lips, Urmas**; **Buhhalko, Natalja**; Chouteau, Leelou; Georges, Elise; Meyers, Nelle; Vanavermaete, David; Galgani, François; Ourgaud, Melanie; Papillon, Laure; Sempéré, Richard; De Witte, Bavo Marine pollution bulletin 2024 / art. 116787 <https://doi.org/10.1016/j.marpolbul.2024.116787> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Downward migrating microplastics in lake sediments are a tricky indicator for the onset of the Anthropocene

Dimante-Deimantovica, Inta; Saarni, Saija; Barone, Marta; **Buhhalko, Natalja**; **Stivrinš, Normunds**; Suhareva, Natalija; Tylmann, Wojciech; Vianello, Alvis; Vollertsen, Jes Science advances 2024 / art. eadi8136 <https://doi.org/10.1126/sciadv.adi8136> Journal metrics Scopus Article at Scopus Journal metrics at WOS Article at WOS

Estimating microplastics related to laundry wash and personal care products released to wastewater in major Estonian cities: a comparison of calculated and measured microplastics

Ayankunle, Ayankoya Yemi; **Buhhalko, Natalja**; **Pachel, Karin**; **Lember, Erki**; **Kõrgmaa, Vallo**; **Mishra, Arun**; **Lind, Kati** Journal of environmental health science and engineering 2023 / p. 225-237 <https://doi.org/10.1007/s40201-023-00856-z> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mapping microplastic pathways and accumulation zones in the Gulf of Finland, Baltic Sea – insights from modeling

Mishra, Arun; **Siht, Enriko**; **Väli, Germa**; **Liblik, Taavi**; **Buhhalko, Natalja**; **Lips, Urmas** Frontiers in marine science 2025 / art. 1524585, 17 p. : ill., map <https://doi.org/10.3389/fmars.2024.1524585> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microplastics (10 µm-5 mm) in European Atlantic coastal waters

Buhhalko, Natalja; Kuddithamby, Gunaalan; Vianello, Alvis; Rotander, Anna; Vidal-Linan, Leticia; Beiras, Ricardo; Falcou-Prefol, Mathilde; Town, Raewyn M.; Hylland, Ketil; Morin, B.; **Lips, Urmas** Environmental advances 2025 / art. 100644 <https://doi.org/10.1016/j.envadv.2025.100644> <https://www.sciencedirect.com/science/article/pii/S2666765725000365?via%3Dihub>

Microplastics and plasticizers in Estonian wastewater treatment plants

Ayankunle, Ayankoya Yemi; **Buhhalko, Natalja**; **Pachel, Karin**; **Lember, Erki**; Heinlaan, Margit PRIMO22 : book of abstracts 2024 / p. 154 https://primo22.org/wp-content/uploads/2024/05/PRIMO22-Book_of_abstracts.pdf

Microplastics in influents and effluents of Estonian wastewater treatment plants

Ayankunle, Ayankoya Yemi; **Buhhalko, Natalja**; **Lukjanova, Aljona**; **Pachel, Karin**; **Lember, Erki**; **Heinlaan, Margit** Proceedings 2023 / art. 55 <https://doi.org/10.3390/proceedings2023092055>

Mikroplast jõuab Läti järvedes seletamatult kaugesse minevikku

novaator.err.ee 2024 [Mikroplast jõuab Läti järvedes seletamatult kaugesse minevikku](https://novaator.err.ee/1609746921/euroopa-rannikuvesi-kubiseb-vaevunahtavast-plastipurust)

Modeling the pathways of microplastics in the Gulf of Finland, Baltic Sea – sensitivity of parametrizations

Siht, Enriko; **Väli, Germa**; **Liblik, Taavi**; **Mishra, Arun**; **Buhhalko, Natalja**; **Lips, Urmas** Ocean dynamics 2024 / art. 9, 24 p. : ill., map <https://doi.org/10.1007/s10236-024-01649-0>

Osale teadustöös: märka prügi rannas ja anna sellest teada

postimees.ee 2025 <https://teadus.postimees.ee/8287670/teadlased-kutsuvad-teatama-mererannast-leitud-prugist> <https://novaator.err.ee/1609746921/euroopa-rannikuvesi-kubiseb-vaevunahtavast-plastipurust>

Plastic contamination in Estonia: novel plasticizers and microplastics in Estonian wastewater treatment plants

Heinlaan, Margit; **Ayankunle, Ayankoya Yemi**; **Vija, Heiki**; **Buhhalko, Natalja**; **Lember, Erki**; **Pachel, Karin** The Gulf of Finland and Eastern Baltic Sea Science Days 2023 : "The future of our co-operation : A nucleus to transboundary nurture of the marine environment in transition", Estonian Academy of Sciences, Tallinn, 16–17 November 2023 : abstracts 2023 / p. 26-27 <https://www.akadeemia.ee/wp-content/uploads/2023/11/gof-science-days-2023-abstracts-for-web-2.pdf>

Processes influencing the spatio-temporal dynamics of nutrients and phytoplankton in summer in the Gulf of Finland, Baltic Sea = Toitainete ja fütoplanktoni ajalis-ruumilist muutlikkust mõjutavad protsessid suvel Soome lahes

Buhhalko, Natalja 2015 <https://digi.lib.ttu.ee/i/?3668> https://www.ester.ee/record=b4510529*est

Spatiotemporal variability of microplastics in the Eastern Baltic Sea

Mishra, Arun; Buhhalko, Natalja; Lind, Kati; Lips, Inga; Liblik, Taavi; Väli, Germa; Lips, Urmas Frontiers in marine science 2022 / art. 875984 <https://doi.org/10.3389/fmars.2022.875984> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Uncertainty and consistency assessment in multiple microplastic observation datasets in the Baltic Sea

She, Jun; **Buhhalko, Natalja; Lind, Kati; Mishra, Arun; Kikas, Villu**; Costa, Elisa; Gambardella, Chiara; Montarsolo, Alessio; Faimali, Marco Frontiers in marine science 2022 / art. 886357 <https://doi.org/10.3389/fmars.2022.886357> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Value for money : a cost-effectiveness analysis of microplastic analytics in seawater

Meyers, Nelle; Kopke, Kathrin; **Buhhalko, Natalja**; Mattsson, Karin; Janssen, Colin R.; Everaert, Gert; De Witte, Bavo Microplastics and nanoplastics 2024 / art. 4 <https://doi.org/10.1186/s43591-024-00081-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Vertical dynamics of summer phytoplankton in a stratified estuary (Gulf of Finland, Baltic Sea)

Lips, Urmas; Lips, Inga; Liblik, Taavi; Kikas, Villu; Altoja, Kristi; Buhhalko, Natalja; Rünk, Nelli Ocean dynamics 2011 / p. 903-915 : ill

Исследование ТТУ: прибрежные воды Европы кишат едва заметными частицами пластика

rus.err.ee 2025 <https://rus.err.ee/1609747056/issledovanie-ttu-pribrezhnye-vody-evropy-kishat-edva-zametnymi-chasticami-plastika>