P35. AN APPROACH TO PARAMETRISATION OF COASTAL SOURCES OF MICROPLASTICS PARTICLES IN NUMERICAL MODELS

Andrei Bagaev¹, Irina Chubarenko¹

¹Atlantic branch of Institute of Oceanology, Russia
a.bagaev1984@gmail.com

An overview of modern approaches to the problem of parametrisation of sources of marine waters microplastics pollution from the coastline is conducted. The estimates of Europe’s plastic production along with mismanaged plastic waste percentage that might be the source of microplastics particles input to marine environment are presented. A semi-empirical formulation for the particles source intensity is suggested. It considers the main factors of local anthropogenic pressure for the coastal spot location for the given coordinates. Both advantages and disadvantages of such an approach along with possible ways for improvement are discussed.