



Analysis of Microplastics in Aquatic Ecosystems

IDENTIFICATION AND QUANTIFICATION OF MICROPLASTICS IN AQUATIC ECOSYSTEMS

KEY WORDS

MICROPLASTICS,
AQUATIC
ECOSYSTEMS,
WATER POLLUTION

DESCRIPTION

Specialized service for the detection, identification, and quantification of microplastics in aquatic organisms, water, and sediment, using validated analytical techniques. Baseline studies are conducted to assess microplastic pollution in aquatic ecosystems, contributing to a better understanding of its impact on fauna and environmental health.

AVAILABLE TECHNIQUES AND/OR EQUIPMENT

- Enzymatic and chemical digestion of samples
- Filtration and screening of particles
- Image and data analysis software
- Optical microscopy

APPLICATIONS

- Environmental pollution studies in rivers and seas
- Monitoring the presence of microplastics in water, sediment and aquatic organisms
- Ecological and toxicological risk assessment
- Support for public policies and conservation programs
- Academic research and citizen science projects

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