

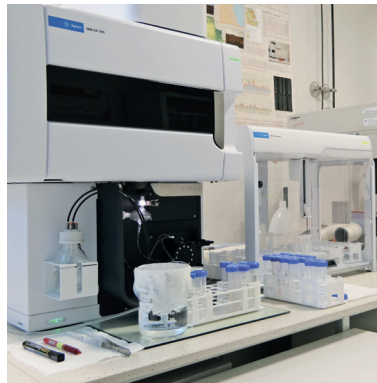
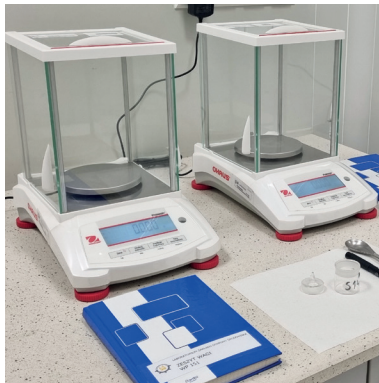


MARITIME INSTITUTE

GDYNIA MARITIME UNIVERSITY



ENVIRONMENTAL PROTECTION DEPARTMENT



The Environmental Protection Department (EPD) of the Maritime Institute is a science and research unit that participates in many domestic and international projects. Our Environmental Protection Laboratory has implemented a Quality System in accordance with the standard PN-EN ISO/IEC 17025 and since September 1, 2005, has held the Polish Accreditation Center Certificate No. AB 646, which confirms compliance with the requirements of the above-mentioned standard.

Our high-class specialists with extensive experience in the field of environmental protection and qualified research staff with complete knowledge of applicable acts, directives, regulations, and guidelines join efforts to prepare reliable expert opinions, studies, assessments and reports. The Environmental Protection Department is praised also for the timely execution of work, full confidentiality of results, objectivity, and a high level of professionalism in data interpretation, which guarantees the highest quality of services provided.

The EPD also shares its knowledge, and together with the Pomeranian Special Economic Zone, implements the "Maritime Competencies" project under the patronage of the Pomeranian Education Superintendent. Over 300 primary and secondary school students have already become familiar with the activities of our laboratory specialising in analyses for the maritime economy branch.

ENVIRONMENTAL PROTECTION LABORATORY

The Environmental Protection Department (EPD) has a well-equipped accredited research laboratory that performs physicochemical analyses in the fields of inorganic and organic chemistry as well as specific analyses in many environmental matrices:

- groundwater, surface water, and seawater
- drinking water
- rain- and meltwater
- urban and industrial wastewater
- soil
- seabed sediment and sludge
- waste materials
- marine organisms and plants

OUR SERVICES

Our Laboratory's range of services includes accredited testing on environmental samples and accredited sampling of the above-mentioned matrices (except for plant and animal samples). We also provide containers for sampling and assistance in selecting appropriate research methods for pollutants of various types.

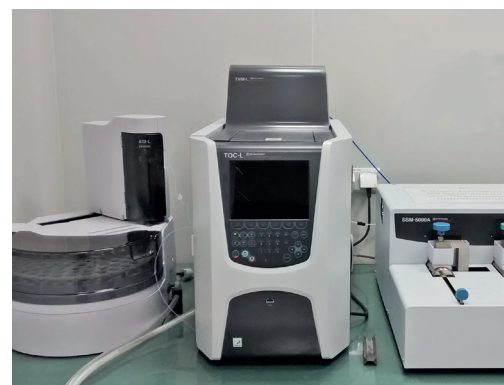
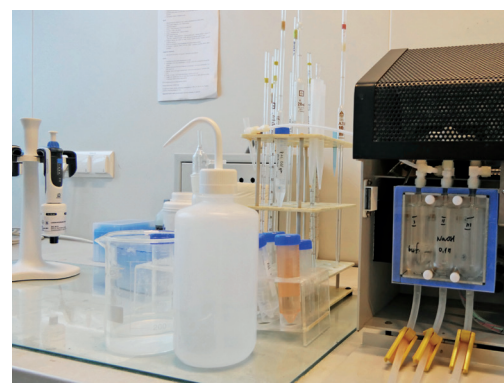
We perform many accredited tests using the following techniques:

- gas chromatography (GC-MS, GC-FID),
- headspace gas chromatography-mass spectrometry (HS-GC-MS),
- inductively coupled plasma–optical emission spectrometry (ICP-OES),
- inductively coupled plasma–mass spectrometry (ICP-MS),
- atomic absorption spectrometry with hydrides generation,
- high-temperature combustion with detection,
- ion chromatography,
- spectrophotometry,
- potentiometry,
- conductometry,
- titration methods,
- gravimetric techniques.

Among the numerous specific tests we perform, the most noteworthy are the analyses of:

- organotin compounds (MBT, DBT, TBT) in seabed sediments and soils,
- bisphenol A (BPA), 17 β -estradiol (E2), and 17 α -ethinyl estradiol (EE2) in water and sewage,
- pollutants in marine organisms and plants,
- metals and non-metals in a flexible range.

The Environmental Protection Laboratory has several decades of experience in marine environment research. Its extensive technical base and the wide range of accredited methods offered ensure the highest quality of services combined with attractive prices.



AB 646

THE LABORATORY ACCREDITATION

The Environmental Protection Laboratory is accredited by the Polish Accreditation Centre (Certificate No. AB 646). The accreditation confirms that the Laboratory meets the requirements of the PN-EN ISO/IEC 17025:2018-02 standard in relation to the research methods included in the accreditation scope.

THE LABORATORY SCOPE

All tests (accredited and non-accredited) performed at the Environmental Protection Laboratory are covered by the Laboratory Management System and are within the Laboratory Scope. A detailed list of analyses offered is available on our websites.



CONTACT

MARITIME INSTITUTE
GDYNIA MARITIME UNIVERSITY

- ph. +48 58 301 69 56
- im@im.umg.edu.pl
- im.umg.edu.pl