

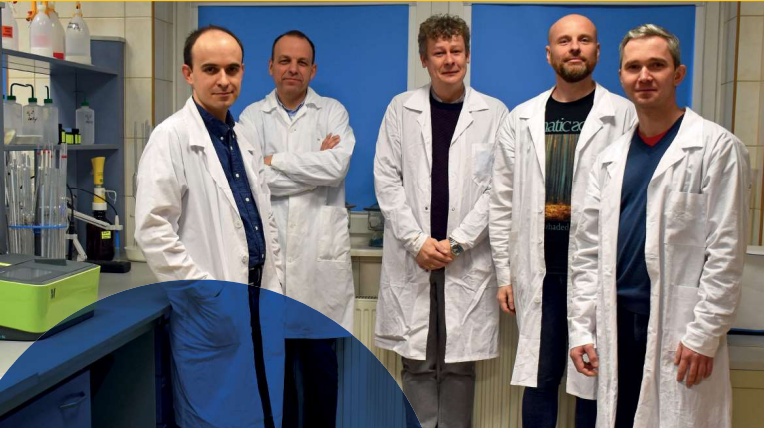


**NICOLAUS COPERNICUS
UNIVERSITY
IN TORUŃ**

Faculty of Earth Sciences
and Spatial Management



We use the latest equipment



Laboratory for Environmental Analysis



**We perform
the following
analyses:**

- microscopic properties
of sediments and soils**
 - petrographic characteristics of samples
 - determination of grain surface type
 - determination of particle shape
and roundness
- geochemistry of sediments and soils**
 - total carbon and total nitrogen
 - elemental analysis (AAS, AES, UV/Vis)
 - soil salinity
- water properties**
 - ion chromatography
 - elemental analysis (AAS, AES, UV/Vis)
- grain size composition**
 - aerometric method
 - grain size analysis with
combined LDM & sieving
 - wet sieving

- Atomic absorption spectrometers**
 - Atomic Absorption Spectrometer contraAA 800G
 - Atomic Absorption Spectrometer SOLAAR 969
- Macro elemental analyser CHN/CHNS**
 - Macro Elemental Analyzer Vario MACRO Cube
- Ion chromatograph**
 - Thermo Scientific Dionex Aquion
- Stereo microscope**
 - Zeiss SteREO Discovery.V20
- Spectrophotometers**
 - UV-1601 Rayleigh
 - Lambda 25 UV/VIS
 - Merck Spectroquant Prove 100
- Laser particle size analyser**
 - Fritsch ANALYSETTE 22
- Particle size and shape analyser**
 - Microtrack Camsizer M1

For a list of all equipment and analyses available check:
www.geo.umk.pl/en/lea/equipment/

The Laboratory for Environmental Analysis (LEA) is part of the Faculty of Earth Sciences and Spatial Management of NCU in Toruń. It supports faculty's workers and students in their scientific work.

The LEA also conducts tests for external bodies, including providing environmental status assessments and environmental impact assessments (with the collaboration of specialists from the faculty's various departments).



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