

# Competences of Marine Ecology Laboratory



- **17 accredited methods**, including 2 sampling methods (accreditation L257):
  - **Chemical analyses:** pH; dissolved oxygen ( $O_2$ ); nitrates and nitrites ( $NO_3+NO_2$ ); total nitrogen ( $N_{tot}$ ); ammonium ( $NH_4$ ); phosphate ( $PO_4$ ); total phosphorus ( $P_{tot}$ ); dissolved silicate (Si);
  - **Biological analyses:** suspended solids; chlorophyll a; diversity, abundance and biomass of bottom fauna and phytoplankton;
  - **Sampling:** seawater; seabed sediments;
  - **Physical-chemical *in situ* measurements with CTD probes:** temperature and salinity; dissolved oxygen; chlorophyll a fluorescence;
  - **Additional analyses:**
    - Microplastic analyses;
    - Influence of hazardous substances to marine biota;
    - Environmental DNA

