

Functional Area Microbial Ecology






Geomicrobiology



The laboratory of Geomicrobiology is equipped for the study of microbial processes that affect biogeochemical cycles. The available instrumentation allows the maintenance of cultures, the preparation of samples for incubation and their analysis for chemical composition, total alkalinity and dissolved gases.

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Bookable instruments	Description	
Thermostatic incubators with/without illumination	Thermostatic incubators are used for the growth and storage of bacterial or microalgal cultures under controlled conditions.	
Metrohm automatic titration system	It is a system for automatic titration consisting of automatic titrator-sampler and management software for the titration of a parameter.	
CISME Portable underwater respirometer	A diver-portable respirometer developed to make non-destructive and non-invasive measurements of metabolic rates in situ under ambient conditions.	
Micro - Fourier Transform Infrared Spectroscopy	FTIR technique is mostly used to identify and characterize microplastics found in water and sediment. The microscope allows to visualize and measure the piece while acquiring the polymer composition at the same time.	
Membrane Inlet Mass Spectrometer	Direct measurement of dissolved N ₂ , O ₂ , and Ar concentrations in environmental water samples. Can be used for studies of CO ₂ , methane and dimethylsulfide among other dissolved volatile substances.	

All pictures shown are for illustration purpose only. Actual instruments may differ.