

## Offers for master students

Attention Master's students in chemistry/chemistry and management,

Within the EU-project ENVIROMED (<https://www.enviromed.eu/>) research opportunities are available for summer 2024 at the *Institute of Analytical and Bioanalytical Chemistry (IABC)* within Prof. Mizaikoff's group. These opportunities include project work and Master's thesis projects.

The research will focus on synthesizing new composite materials based on molecularly imprinted polymers (MIP) and metal-organic framework (MOF) for adsorption and determination of pharmaceutical compounds in wastewater. Students will participate in the synthesis and characterization of these materials, as well as optimizing adsorption processes using Design of Experiments (DoE) methodology. Additionally, they will work on developing IR spectroscopic sensors for identification and quantification.

This experience will provide students with practical skills in chemical synthesis, material characterization, process optimization, and sensor development.

**For any inquiries**, feel free to contact Dr. Sherman Lesly, Jiokeng Zambou ([sherman.jiokeng-zambou@uni-ulm.de](mailto:sherman.jiokeng-zambou@uni-ulm.de)).