



*The **ECOSPHERE research group** aims to study aquatic and valley ecosystems that are continuously challenged by natural and anthropogenic stressors. The research focuses on acquiring fundamental and applied knowledge at different levels of structural and functional organisation in order to underpin environmental management decisions.*

MASTER THESIS SUBJECT 2023

Effect of soil conditioners on bioavailability of metals from soil to plants

Research group: ECOSPHERE

Hosting laboratory: CGB – building U

Promotor(s): Lieven Bervoets: lieven.bervoets@uantwerpen.be

Daily supervision: Thimo Groffen: Thimo.groffen@uantwerpen.be

Summary: Different mushroom species may accumulate metals in different ways and in different parts of the mushroom.

In this study, mushrooms will be collected at different distances of a metallurgic factory and will be analysed on several metals. In addition relationships will be investigated between metals in soil with metals in the mushrooms, taking into account soil characteristics such as organic content and clay content.

- This topic mostly contains literature study, lab work, field work, experimental work, GIS, numerical modelling, other:
- Possession of driver’s license B is needed, recommended, not needed
- Possession of certificates needed: FELASA C, other: