

This project is linked to the NFR-funded project *SUFFICIENT, Sustainable fungal production of biostimulant fertilizers and feed oils from biowastes*.

The main objective of the MSc work will be to evaluate how different post-treatment strategies, including acid addition/pH adjustment, centrifugation, membrane separation, and steam explosion, influence both the distribution and speciation of nutrients in the digestate.

Digestate is the by-product or residues after biogas production from fish sludge.

The student will perform experimental work focused on:

- Characterizing digestate before and after treatment (e.g., N, P, K fractions and other relevant macro/micronutrients)
- Assessing nutrient partitioning between solid and liquid streams
- Evaluating implications for downstream valorization (e.g., fungal cultivation or fertilizer applications)

Contributing to interpretation and reporting of results