

Qualifications

Environmental Engineering, Lund University

2015 → 2020

Award Date: 30 Jun 2020

Employment

Postdoc

Section for Plant and Soil Sciences

Frederiksberg C, Denmark

1 Oct 2023 → nu

PhD fellow

Section for Plant and Soil Sciences

Frederiksberg C, Denmark

1 Oct 2020 → 30 Sep 2023

My PhD project

In my research, I assess the environmental impact of nutrient recycling technologies, with the aim to identify how we can make the best use of available waste streams and the nutrients and energy in them. I perform life cycle assessments (LCA) of recycling technologies and use modelling tools to estimate emissions from the application of recycled fertilizing products in agriculture.

I am working on the development of a modelling tool which will be used for estimation of emission factors for recycled phosphorus fertilizers. The model will provide regional average emission factors for regions at the NUTS3 level in the European Union member states.

My research is part of the FertiCycle project, which is a European Union Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie Actions. As part of the project, I spent 3 months as a guest PhD student at Wageningen University, in the Water Systems and Global Change Group.

Teaching activities

I have been teaching in the course Sustainable food systems and diets (in years 2020 and 2021). The course consists of four blocks. Together with my supervisor, I took part in planning the course content and exercises of one of these blocks. The lectures were divided between the two of us, so that I was teaching some of them. I also participated in the supervision of group work, giving feedback on the students written reports and oral presentations, as well as grading.

Furthermore, I am supervising two master students. One of the students is doing a project related to toxicity impact assessment in LCA. The other student will do an LCA related to anaerobic co-digestion of cover crop silage and cattle manure.