

Contact information

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Professional profile

Owing to my background in chemistry, biology and biotechnology, I have experience with planning and conduction of experiments as well as data processing and dissemination. Furthermore, I find it motivational and rewarding to utilize my knowledge for creating results of societal importance and to convey my knowledge to both scientific and lay audiences. I appreciate to be involved in different projects and I am always eager to acquire new competencies and skills. As a person, I am conscientious, independent and tolerant. I work systematically and approach every task with dedication and diligence.

Education and employments

2023-now: Researcher at the Norwegian Research Centre (NORCE) in Stavanger, Norway.

- Microbial production of value-added compounds from industrial side streams including microbial protein for feed applications, mainly potential fishmeal replacements, small organic molecules such as acetone as well as fungal lipids and chitin.
- Bioprocess evaluation and up-scaling including traditional submerged fermentation and gas-fermentation.
- Characterization of products and substrates involved in microbial processes.

2019-2022: PhD scholarship at the Technical University of Denmark (DTU), Denmark.

- Valorization of lignocellulosic by-products for aquafeed applications using fermentation and extraction-based methods.
- Submerged fermentation: process optimization, batch and fed-batch fermentations in bioreactors, characterization and quantification of microbial products.
- Analytical methods for quantification of compounds in liquid and solid samples including gravimetric techniques, spectrophotometry and HPLC.
- Oral and written dissemination of work.
- Publication of scientific articles including original research articles and reviews.

2018-2019: Teacher and supervisor in Chemistry, Biology and Biotechnology at the Technical Gymnasium in Thisted, Denmark.

- Scheduling and conduction of teaching.
- Planning of cross-curricular activities with colleagues.
- Supervision and examination of students.

2016-2018: Master of Science in Chemistry and Biology, Aarhus University, Denmark.

- Experience with standard techniques of molecular biology (PCR, DNA purification, electrophoresis, cloning using *E. coli*, etc.).
- Fundamentals of microbiology.
- Organic chemistry: synthesis, purification and characterization of organic compounds (HPLC, IR, NMR and MS).

2013-2016: Bachelor of Science in Chemistry, Aarhus University, Denmark.

- Broad knowledge of the different areas within the fields of chemistry and biology.