Publications:

Comparative genomics sheds light on niche differentiation and the evolutionary history of comammox Nitrospira
Publication: Research - peer-review » Journal article – Annual report year: 2018

Metagenomic analysis to elucidate the metabolic potential of microbial communities in Danish waterworks
Publication: Research - peer-review » Conference abstract in proceedings – Annual report year: 2018

Comammox Nitrospira are abundant ammonia oxidizers in diverse groundwater-fed rapid sand filter communities
Publication: Research - peer-review » Journal article – Annual report year: 2018

Comammox Nitrospira are key nitrifiers in diverse groundwater-fed drinking water filters
Publication: Research - peer-review » Conference abstract for conference – Annual report year: 2017

Discovery and description of complete ammonium oxidizers in groundwater-fed rapid sand filters
Publication: Research » Ph.D. thesis – Annual report year: 2017

Diversity, structure, and novel physiologies in microbial communities in rapid sand filters
Publication: Research - peer-review » Conference abstract for conference – Annual report year: 2017

Dramatic loss of comammox Nitrospira associated with long-term nitrite feeding
Publication: Research - peer-review » Conference abstract for conference – Annual report year: 2017

Niche differentiation and evolution of comammox Nitrospira through a comparative genomics analysis
Publication: Research - peer-review » Conference abstract for conference – Annual report year: 2017

Investigating comammox Nitrospira in rapid sand filters via metagenomics and single-cell genomics
Publication: Research - peer-review » Conference abstract in proceedings – Annual report year: 2017

Metagenomic analysis of rapid gravity sand filter microbial communities suggests novel physiology of Nitrospira spp
Publication: Research - peer-review » Journal article – Annual report year: 2016

Metagenomics and single-cell genomics reveal high abundance of comammox Nitrospira in a rapid gravity sand filter treating groundwater
Publication: Research - peer-review » Conference abstract for conference – Annual report year: 2016

Stable isotope probing and dynamic loading experiments provide insight into the ecophysiology of novel ammonia oxidizers in rapid gravity sand filters
Publication: Research - peer-review » Conference abstract for conference – Annual report year: 2016
Underestimation of ammonia-oxidizing bacteria abundance by amplification bias in amoA-targeted qPCR
Publication: Research - peer-review › Journal article – Annual report year: 2016

Metagenomic analysis of microbial communities in rapid sand filter treating groundwater. Community diversity and metabolic potential
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

Taxonomic and metagenomic profiling of rapid sand filter microbiome reveals a high Nitrospira incidence
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

QPCR quantification of ammonia oxidizing bacteria: What should the target be?
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2014

Projects:

The structure and functional role of microbial communities in rapid sand filters
Project: PhD

Activities:

Diversity, structure, and novel physiologies in microbial communities in rapid sand filters
Activity: Talks and presentations › Conference presentations

ESOF Marie Skłodowska-Curie actions Conference
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Nordic Environmental NUcleotide Network
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.