

# Water recovery by electrodialysis - desalination of diluted solutions using electrodialysis



Electrodialysis (ED) is a promising membrane process for recycling water from diluted draw solution coming from forward osmosis process. The objective of the study is to remove ionic species from diluted solutions using ED as a primary treatment as part of **MEMENTO project** (<http://www.memento.env.dtu.dk/>) in collaboration with **Aquaporin A/S**. The main focus of the experimental study is to optimize electro-dialytic desalination and to estimate the ED cost. Further the experimental results will be used in connection with other activities of biomimetic group.

## Project type

Topic is suitable for MSc project

## Pre-requisite

Experience with separation processes

## Group size

1-2 students

## Department of supervisors

Main supervisor: DTU Environment/  
Aquaporin A/S

Co-supervisor: DTU Environment

## Contact person

PhD Student Agata Zarebska,  
DTU Environment ([agza@env.dtu.dk](mailto:agza@env.dtu.dk))

