



**MARMARA UNIVERSITY
FACULTY OF ENGINEERING
ENVIRONMENTAL ENGINEERING DEPARTMENT**

**ENVE 4197/4198 ENGINEERING PROJECT
PROPOSAL FORM
FALL 2019**

Instructor : Assist. Prof. Deniz AKGÜL

Project Title : Investigation of Acute Inhibitory Factors on Anammox Bacteria

Proposal No. : *DenizAkgul2019-1*

Number of Students : 2 or 3

Requirements (from students): Enve 202 (Env. Eng. Chemistry II) and Enve 302 (Environmental Engineering Unit Processes) courses have to be completed.

Scope of the Project: In the scope of this project, the factors influencing Anammox activity will be investigated.

Hardware/Software/Lab/Equipment Requirements :

Lab-scale Anammox reactor set-up

Development Plan :

- Learning the analytical techniques, adaptation to the laboratory
- Operation of the bioreactors with synthetic wastewater
- Acute inhibition tests
- Evaluation of the results and reporting