



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

**ENVE 497/498 ENGINEERING PROJECT  
PROPOSAL FORM  
FALL 2020**

**Instructor :** Assist. Prof. Deniz AKGÜL

**Project Title :** Acute effects of hydrazine on enriched anammox culture

**Proposal No. :** *DenizAkgul2020-1*

**Number of Students :** 3

**Requirements (from students):** -

**Scope of the Project:** In the scope of this project, the acute effects of hydrazine on anammox process will be tested.

**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