**MARMARA UNIVERSITY**

**FACULTY OF ENGINEERING**

**ENVIRONMENTAL ENGINEERING DEPARTMENT**

**ENVE 4197/4198 ENGINEERING PROJECT**

**PROPOSAL FORM**

**FALL 2022-2023**

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| **Instructor : Deniz Akgül**  **Project Title : Effects of Substrate Concentration on Hydrazine Production Potential of Anammox Bacteria**  **Proposal No. :** DenizAkgul-1  **Number of Students :** 3  **Requirements (from students) :** Enve 202 & Enve 302 courses |
| **Scope of the Project :** Investigation of biological hydrazine production from anammox bacteria in short-term systems. |
| **Hardware/Software/Lab/Equipment Requirements :** pH meter, Centrifuge, oxygen meter, analytical balance, 105℃ oven, 550℃ muffle furnace, magnetic stirrer, incubator, peristaltic pumps, vacuum pumps. |
| **Development Plan :**  **-** Enrichment of Anammox culture  - Investigation of biological hydrazine production from anammox bacteria in short-term systems. |