



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

**ENVE 4097/4098 SENIOR DESIGN PROJECT
PROPOSAL FORM
FALL 2018-2019**

Instructor : Assoc. Prof. Bilge Alpaslan Kocamemi

Project Title : Identification of key intermediates in (ANAMMOX) process

Proposal No. : *Bilge Alpaslan Kocamemi-1*

Number of Students : 2

Requirements (from students) : Courses on Enve 301, Enve 302 and Enve 303 as to be taken.

Scope of the Project :

In the scope of this project, the key intermediates of Anammox process (e.g., hydroxylamine and hydrazine) will be monitored in various Anammox systems operating in the lab.

Hardware/Software/Lab/Equipment Requirements :

UV-Vis Spectrophotometer

Ion chromatograph

Development Plan :

Literature review will be done

Hydroxylamine and hydrazine measurement methodologies will be developed.

Data Collection and Data Evaluation.

