



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

**ENVE 4197/4198 SENIOR DESIGN PROJECT
PROPOSAL FORM
FALL 2019-2020**

Instructor : Assoc. Prof. Bilge Alpaslan Kocamemi

Project Title : Enrichment of Complete Ammonia Oxidizers (Commamox)

Proposal No. : *Bilge Alpaslan Kocamemi-2*

Number of Students : 1

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

Scope of the Project :

In the scope of this project, abn sbr reactor will be started-up with mixed activated sludge seed. The reactor is going to be fed continuously to enrich Commamox species

Hardware/Software/Lab/Equipment Requirements :-

Ion chromatograph

UV-VIS Spectrophotometer

Development Plan :

Experiments will be performed in an SBR reactor

Data collection-Data evaluation