



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

**ENVE 497/498 ENGINEERING PROJECT
PROPOSAL FORM
FALL 2017**

Instructor : Mete Tayanç

Project Title : STUDY OF PARTICULATE MATTER AND BULK DEPOSITION IN KIRKLARELI: THE ASSESSMENT OF PARTICULATE MATTER POLLUTION WITH STATISTICAL AND PHYSICAL MODELS

Proposal No. : *MeteTayanç-1*

Number of Students : 1

Requirements (from students) : Student should spend a minimum of **10 hours** each week. Student should have mobility to go Kırklareli for collecting PM2.5, PM10 and bulk deposition samples.

This TÜBİTAK project is being conducted with Mustafa Yıldızbaşoğlu.

Scope of the Project :

Particulate matter will be investigated in highly polluted Kırklareli region via two selected stations. This investigation is planned to be carried out by PM2.5, PM10 and bulk (wet+dry) sampling, PM2.5 content analysis in terms of various heavy metals and modeling.

Hardware/Software/Lab/Equipment Requirements :

WRF (Weather Research and Forecasting), CMAQ (Community Multiscale Air Quality Modeling System) and Model-3

Development Plan :

To perform measurement, analysis and modeling on PM2.5 in Kırklareli, Marmara Region.