



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

**ENVE 4197/4198 ENGINEERING PROJECT  
PROPOSAL FORM  
FALL 2023-2024**

**Instructor :** Prof. Dr. Mete Tayanç

**Project Title :** Investigation of Time-Dependent Change of PM<sub>10</sub> Concentrations in 11 Provinces Affected by the Major Earthquakes of 2023 and Perform Transport Model of Particulates

**Proposal No. :** *MeteTayanc-1*

**Number of Students :** 3 Students; **Derya Dilber Ölze, Buse Kurt, Emine Dişkaya**

**Requirements (from students) :** Students should be able to spend a minimum of 4 hours each week.

**Scope of the Project :**

This study will be based on the project applied for **TÜBİTAK-2209-A Üniversite Öğrencileri Araştırma Projeleri Desteği Programı** and titled as 'Kahramanmaraş İli, Pazarcık ve Elbistan Merkezli İki Büyük Depremden Etkilenen 11 İldeki PM<sub>10</sub> Konsantrasyonlarının Zamana Bağlı Değişiminin İncelenmesi ve Taşınım Modellemesinin Gerçekleştirilmesi'

**Hardware/Software/Lab/Equipment Requirements :**

Data from Ulusal Hava Kalitesi İzleme Ağı (UHKİA)  
Computers with internet access for downloading the necessary information and data  
Software (like Office 365) to perform analysis and creating figures, tables and writing thesis

**Development Plan :**

1. Literature review, reading, and writing throughout the two semesters
2. Downloading air quality and meteorological data
3. Analysis of data
4. Writing thesis