**MARMARA UNIVERSITY**

**FACULTY OF ENGINEERING**

**ENVIRONMENTAL ENGINEERING DEPARTMENT**

**ENVE 4197/4198 ENGINEERING PROJECT**

**PROPOSAL FORM**

**FALL 2022-2023**

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| **Instructor:** Habibullah Uzun  **Project Title:** Investigate the natural risk of forest fires in Turkiye  **Proposal No.:**  **Number of Students:** (Max 4 students)  **Requirements (from students):**   * Basic ArcGIS knowledge or Registration for ENVE 4095 - Special Topics in Environmental Engineering II (GIS in Water Resources) and * Curiosity to read scientific publications. |
| **Scope of the Project:**  Atmospheric events related to wildfires and situations initiating natural wildfires are reviewed in the literature. Based on the information obtained, the spatial analysis will be carried out, and the risk map of Turkey will be generated. |
| **Hardware/Software/Lab/Equipment Requirements:**   * Laptop or desktop with basic hardware and software installed (Microsoft Office, Adobe Acrobat Reader, Endnote Reference Manager program) * ArcGIS software |
| **Development Plan :**   |  |  | | --- | --- | | **Work Step** | **Schedule** | | Literature Review | 1-6 weeks | | Create a detailed map of Turkey | 7-14 weeks | | Apply the knowledge gained from the literature to Turkey | 15-21 weeks | | Final assessment | 22-28 weeks | |