



## An investigation of the marine mucilage bloom using earth observation data and geospatial techniques

The Sea of Marmara experienced a severe marine mucilage bloom in 2021, which raised significant environmental and socio-economic concerns. This study analyzes the triggering factors contributing to the mucilage event by employing a comprehensive assessment based on four main criteria: Water Quality, Topography, Land Cover and Land Use and Anthropogenic Activities.

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