

**ENVIRONMENT-FRIENDLY MANAGEMENT OF ECOSYSTEMS  
THROUGH TECHNOLOGICAL DEVELOPMENTS: THE CASE OF  
COASTAL AND ISLAND BIORESOURCES.**

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***ABSTRACT***

This study is the result of series of eight (8) student papers prepared by Undergraduate Students and supervised by Graduate Students at the Department of Chemical Engineering, National Technical University of Athens, in the framework of the course: “Biomass Utilization”. The aim of the particular studies was to investigate the potential application of new bioenergy technologies, wastewater treatment, and the industrial growth based on the use of local biological resources. In the last study, they examined the relationship between the eco-development and eco-tourism, taking account the local ecosystem as well as the local priorities: use of natural resources, protection of the environment, quality of life, traditions, and sustainable development.