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Coastal Environmental Change
During Sea-Level Highstands:
A Global Synthesis with implications
for management of future coastal change

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Quaternary coastal morphology and sea level changes



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Geomorphological and Environmental evolution of Salamina coastal zone

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Abstract

In this paper we are examining Salamina island from a physical-geographical and a geomorphological aspect. For the purposes of this study, we used all existed official maps, recent aerial photographs and satellite image as well as data deriving from extensive fieldwork at the study area.

The results of the photo-interpretence are combined and correlated with the outcome of the primary data (physical, geological, geomorphological) that were collected through fieldwork, which took place with the use of GPS, to ensure the accuracy of the measurements.

This study resulted to the creation of a geomorphological map of the study area in a GIS environment, along with several thematic maps presenting all collected data (primary and secondary).

Finally, a geomorphological and environmental evolution of the study area has taken place, in order to map the genesis of the nowadays morphology.

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