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Geomorphological Evolution of the Kalivia coastal zone (SW Attika) in relation to human activities

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This study is referred to the Kalivia coastal zone situated at the west coast of Attika, 42 km far from Athens. The area includes a beach zone with mixed material (sand and gravel), a low lying backshore zone which is intersected by torrential streams, whilst it is characteristic the extended presence of beach rock formations along the shoreface and underwater. It is exposed to S-SW winds which may induce waves >5 m. Nowadays, the beach zone is under profound retreat. This study investigates whether the observed erosion is due to the construction of the road (in 1960's) that runs parallel to the coastline or/and to the action of high waves during storms.

Key words: Anavyssos, Coastal Geomorphology, beach rocks, erosion