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Research Article

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Using the Amphipod *Hyale Nigra* to Assess the Quality of Marine Sediments

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Author(s): Passarelli MC*, Cesar A, and Abessa DMS

Few species are standardized and have been used as test organisms around the world in ecotoxicological assays. In the case of sediment assessment, there are only two amphipod species (*Tiburonella viscana* and *Grandidierella bonnieroides*) standardized protocols for toxicity test in South Atlantic region. In order to evaluate the possibility of using the epibenthic mar ...

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An Exploratory Modelling Study on Late Pleistocene Mega-Tsunamis Triggered By Giant Submarine Landslides in the Mediterranean

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Author(s): JM Abri and Raul Perianez*

Gigantic submarine landslides are among the most energetic events on the Earth surface. During the Late Pleistocene the Mediterranean Sea was the scenario of a 9 number of such events, some of whose geological fingerprints are the 500 km³ mass transport deposit SL2 at the Nile delta fan (dated at ca. 110 ka BP) and the Herodotus Basing Megaturbidite (HBM, a 400 ...

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Corrosion Detection in Pipelines Based on Measurement of Natural Frequencies

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Natural frequency of structure mainly depends on mass and stiffness. Stiffness is bound to change after structural damage. Hence, natural frequency starts to decline. ...

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