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Research Article

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Mechanism Design of Seafloor Current Meter (SCM) with Broadband OBS and Data Analysis in the Northeastern offshore Taiwan

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Author(s): Ching-Ren Lin*

To achieve precise measurements of near seabed water current velocities, this study designed a mechanical device for the Aquadopp-6000m Current meter that can be paired with the Yardbird-BB Ocean Bottom Seismometer (OBS). To ensure it does not affect the sinking rate during deployment or the buoyancy during recovery at sea, the overall ballasting of the OBS with the i ...

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Possible anti-fouling effect of polyenes in molluscs shell

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Author(s): Maksim Karpenko*, Alexander Karpenko and Vyacheslav Odintsov

Polyenes were analysed in two species of marine gastropods (the periwinkles *Littorina brevicula* and *Littorina mandshurica*) and two species of marine bivalves (the mussels *Mytilus trossulus* and *Crenomytilus grayanus*) to determine the relationship of these compounds with the fouling of molluscs shell. It was found that the shells of the *Littorina* gastropods and *M. tross* ...

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Short Communication

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First Data on the Structure and Lithological Composition of the Kola Fjord (Bay)

Deposits Section

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Author(s): EV Shipilov* and EA Kovalchuk

Studying the materials from drilling of engineering-geological wells and other data the structure of a sedimentary cover of the Kola fjord on its total thickness is for the first time lighted. The characteristics of the structure and lithological composition of a section of deposits, and the main forms of a relief of the underlying crystalline substrate are provided. ...

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