Calcareous Nannoplanktons of Eastern Strait of Hormuz

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Abstract

In the current study, calcareous nannoplanktons from East of the Strait of Hormuz are going to be introduced. For the first time, 15 samples were selected from this area and 27 species and 16 genera were identified. We have found 3 collections in the studied fossils associations. Some of them had high abundance, such as *Gephyrocapsa oceanica* and *Emiliania huxleyi*, and some other species were rarely found, such as *Braarudosphaera bigelowii*, *Calcidiscus leptoporus*, *Umbilicosphaera sibogae* and *Umbellosphaera tenuis*. The third collection included reworked species of Cretaceous and Neogene deposits. The found fossils show that these sediments deposited in the marginal sea were rich in nutrients and had high productivity.

Keywords: *Calcareous nannoplankton, Marginal sea, Nutrients, Productivity, Strait of Hormuz.*