

## **Paleoecological Investigation of the Persian Gulf based on the Calcareous Nannoplankton**

Hadavi, Fatemeh\*

*Prof. of Faculty of Geology, Ferdowsi University of Mashhad, Razavi Khorasan Province,  
Mashhad, Email: Hadavi231@yahoo.com*

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*\* Correspond Author*

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### **Abstract**

Preliminary investigation of calcareous nannofossil assemblages of surface sediments gathered from large area across the Iranian coast of Persian Gulf was carried out in order to improve the interpretation of paleontological data passed on planktonic group. In this study, *Gephyrocapsa oceanica* and *Emiliana huxlyi* are the dominant taxa in all stations. In the distribution pattern of the assemblages, not only the 2 mentioned species but also other species of nannoplanktons (or seasonal minor taxa) were observed. The occurrence of reworked species from Cretaceous-Neogene strata were observed in the assemblages.

*Keywords: Calcareous nannofossil, Surface sediments, Persian Gulf.*

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