

Foraminiferal Description and Biostratigraphy of Eocene Deposits in Zagros Basin (Izeh and Interior Fars Sub-Basins) in South-West of Iran

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Abstract : Eocene deposits in Zagros basin in tow zones of interior Fars and Izeh include limestone and marly limestone succession along with abundant fossils. The significance of this area is due to its hydro carbonic resources. In Dashte Kuh section, limestone and marly limestone deposits with medium to thick creamy layers containing benthic foraminifera could be seen. Bio-zones identified in such deposits include Opertorbitolites Subzone, Somalina Subzone, Alveolina Nummulites Assemblage Subzone and Nummulites fabianii Silvestriella tetraedra Assemblage Zone. In Nil Kuh section, marly limestone of the succession contain abundant plagic foraminifera. The zones identified in this succession include Morozovella aragonensis Range Zone, Hantkenina nuttalli Range Zone, Hantkenina nuttalli Turborotalia cerro-azulensis Interval Zone, Turborotalia cerro-azulensis Range Zone and Morozovella aragonensis Range Zone.

Keywords : zagros basin, foraminifera , biozone, Iran

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