

New Foraminifera and morphogroups from Sanganeh Formation in Takal Kuh section, western Kopeh Dagh basin

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Abstract

One stratigraphic section of the Sanganeh Formation (Lower Cretaceous), north-west of Kopeh Dagh, was measured and sampled. This formation consists of shale, calcareous shale and marls. The lower boundary with Sarcheshmeh Formation is conformable and upper boundary with Kalat Formation is unconformable. Biostratigraphic studies led to identification of 21 genera and 48 species of benthic foraminifera. Based on foraminifera fauna, a Late Aptian age is suggested for Sanganeh Formation at this locality. Using identified foraminifera, *Gavelinella flandrini* assemblage zone is proposed. This biozone coincides with global biozones. Palaeoecological studies led to recognition of three calcareous benthic and two agglutinated benthic morphogroups.

Keywords: Foraminifera, biostratigraphy, morphogroups, Sanganeh Formation, Kopeh Dagh.

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