

## **Calcareous nannofossil biostratigraphy of the Sarcheshmeh and Sanganeh Formations from the Takal Kuh section, Kopet Dagh Basin (NE Iran)**

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The Sarcheshmeh and Sanganeh Formations are widely distributed in the Iranian part of the Kopet Dagh Basin, extending from east to west. The present study concentrates on calcareous nannofossil content of a relatively poorly studied sequence of the Sarcheshmeh and Sanganeh Formations, which is located in the Takal Kuh section in the western part of the basin. The section measures about 1600 meters and consists of marl, limestone, marly limestone and shale. The distribution of the nannofloral assemblages of the Sarcheshmeh and Sanganeh sediments reveal the presence of Zones CC6 and CC7 of Sissingh (1977) indicating an Upper Barremian-Upper Aptian age that is well-correlated with the ammonites zonation in the lower parts.

Nannoconids are present throughout the section, but reach their maximum abundance in the upper parts, thus indicating warm, nutrient-depleted surface waters for the environment of deposition (Erba, 1994).

### **References**

- Sissingh, W. 1977. Biostratigraphy of Cretaceous calcareous nannoplankton. *Geol. Mijnbouw*, **56**: 37-65.
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