



Micropaleontology and biostratigraphy of Surmeh Formation on Mangasht mountain in N. E. Khuzestan (Khami Group) and correlation with type section in Surmeh Formation and Haft Cheshmeh Well # 1 (Izeh zone)

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Mangasht Mountain is located in the Southwest of Iran. It is about 150km. Northeast of Ahwaz and 45km. South of Izeh. form the point of view of Zagros divisions, it falls within Zagros simple folded zone. For the purpose of micropaleontologic and biostratigraphic investigation of the under study area, various geological formations of Mesozoic are encountered that are late (Malm), middle (Dogger) and early (Lias) Jurassic in the study area. The lowermost Jurassic rocks belong to Neyriz Fm. Its age is lower Jurassic (Lias) having an insignificant thickness to be measured. However, it represents the oldest rocks of the area and its upper boundary is marked by *Orbitopsella praecursor* zone. The overlying formation is Surmeh Fm. That bears in its bottom the index layers of *Lithiotis* that seems to be dolomitic or calcareous breccia. The age of these beds is being put at lower Jurassic (Lias). This is followed by the middle Jurassic part of Surmeh Fm., which consists of Bajocian, Bathonian and callovian stages and the lithiotis beds, *Haurania deserta* zone, and *Pfenderina trochoidea* zone. The upper most part of Surmeh Fm. is equivalent to the late Jurassic encompasses Oxfordian, Kimmeridgian and Portlandian stage and it has *Trocholina palastiniensis* zone and *Clypeina jurassica* – *Kurnubia palastiniensis* assemblage zone.