



Upper Miocene Echinoderms and Crabs OF Mishan Formation in Firuzabad Fars, Iran (Zagros Mountain)

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The outcrops of Mishan Formation located in Aghar area (Firuzabad city) south west of Fars and 70km south west of Firuzabad. This Formation mostly consists of limestone, marly limestone and marlstone with 800m thickness. 6 key beds distinctive from limestone beds are recognized in this area. In order to paleontological studies Mishan formation Middle- Upper Miocene beds in south west Firuzabad city investigated. Upper and lower boundaries of Mishan formation are conformable with Razak and Aghajari formations. In addition, assemblage of Gastropods, Bivalves, calcareous algae, benthic foraminifera, bryozoa were obtained that showing shallow sedimentation environment and open marine platform. Echinoderms are assigned to order Clypeasteroida and genus *Scutella* faujast, *Schizaster* sp, *Oligopygus* wetherbyi, *Periarchus* lyelli. Crabs are assigned to subphylum Crustacea and order Decapoda: *Portunus* cf. *gibbesii* (1859). With due attention to range and distribution of the Macrofossils, 5 local assemblage biozone were recognized, that is confirming time limit from Early- Upper Miocene.