

The first marine record of the Bartonian *Nummulites* and Calcareous nannofossils at the Tihoyeh section of the Jiroft area (Central Iran)

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The studied shallow marine sediments are situated south and southwest of Jiroft town, 180 km south of Kerman, from the Tihoyeh section (near Tihoyeh village). These deposits at the top of the section include marly limestones with index *Nummulites* species such as *N. perforatus* (De Montfort), *N. lyelli* (D'Archiac and Haime). According to Schaub's nummulitic time scale (1981) and shallow benthic zonation of Serra-Kiel et al. (1998), this interval referred to Bartonian age and SBZ17 zone, respectively.

Also, the calcareous nannofossil study on this interval led to identification of 19 well-preserved species belonging to 11 genera of this plankton group. Based on determined index calcareous nannofossil taxa such as *Reticulofenestra bisecta*, *Sphenolithus obtusus*, *Sphenolithus intercalaris*, *Cribocentrum erbae* and associated species such as *Sphenolithus pseudoradians*, *Reticulofenestra wadeae*, *Cribocentrum reticulatum* and *Blackites spinosus* this interval assigned to the CNE15 zone of Agnini et al. (2014) that corresponds to upper part of NP16 and lower part of NP17 zones of Martini (1971). It is resulted that, the detected shallow benthic foraminifera zone, corresponds to the calcareous nannofossil zones both indicating Bartonian age.

Keywords: Bartonian, Calcareous nannofossil, *Nummulites*, Central Iran, Tihoyeh section.

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