

A New finding of hemispherical *Chuar* from Late Precambrian deposits of Soltanieh Formation, Northern Iran.

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Chuar *circularis* an index fossil for Late Precambrian, is geographically widespread, and reported from several Countries including Iran .

Chuar is Carbonaceous disc-like, generally circular to oval, 1-6 mm. in diameter . Marginal parts showing regular and central part irregular wrinkles, which considered as an effect of taphonomic process. This is described as flattened spheroids of planktonic algal origin and placed in family Chuariaceae.

Chuar was monospecific in nature and other similar forms were taxonomically synonymous with it .

Much progress has been made about the primary morphologic features of this fossil, but evidently no hemispherical have been identified till now.

Recently we found some hemispherical specimens within the disc-like cluster of *Chuar* on the bedding laminae of dark blue-grey to dark-green shales in the lower part of Soltanieh Formation, which is Precambrian in age. Moreover, the discs in cluster do not show any overlapping.

Based on above mentioned evidence, we conclude that, the primary morphology of *Chuar* was spheroidal in shape. This supports the idea of some previous investigators.