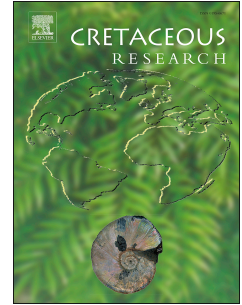


# Accepted Manuscript

First occurrence and palaeobiogeographic significance of *Holosporella sugdeni* (Elliott, 1957) Granier, 2018 (dasycladalean alga) from the Lower Cretaceous of Central Iran

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1 Short communication

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13

14 ABSTRACT

15 The dasycladalean alga *Holosporella sugdeni* (Elliott, 1957) is reported from the Lower  
16 Cretaceous Sangestan Formation of Central Iran. This poorly known taxon, originally  
17 attributed to *Cylindroporella* Johnson, has so far only been recorded from the Lower  
18 Cretaceous of Oman (type-locality), Abu Dhabi, and Lebanon. With the new record from  
19 Central Iran, palaeogeographically belonging to the Northern Tethyan margin, the previously  
20 implied endemism with a restriction to the southern Tethyan margin in a narrow segment on  
21 the Arabian Plate must be corrected. *H. sugdeni* was observed in wacke-/packstones of the  
22 upper Sangestan Formation in the Yazd area associated with the larger benthic foraminifer  
23 *Torinosuella peneropliformis* (Yabe & Hanzawa). A Hauterivian? to early Barremian age is  
24 assumed in accordance with regional geology and known stratigraphic data of the species.

25

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