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A new charophyte flora from the Upper Triassic of Skåne (Sweden) and implications on biostratigraphy, taphonomy and the palaeoenvironment

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Abstract

The record of fossil charophytes from Sweden was previously restricted to the Middle Triassic Falsterbo Formation. Here, we present a charophyte assemblage from the Upper Triassic Kågeröd Formation exposed at the Bälteberga Gorge (Skåne, southern Sweden) from the perspectives of taxonomy, taphonomy, paleoecology and biostratigraphy. The microfossils originate from an interval of reddish sandy mudstones and are represented by rare fossil thalli and numerous calcified fructifications, called gyrogonites. The assemblage is relatively

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