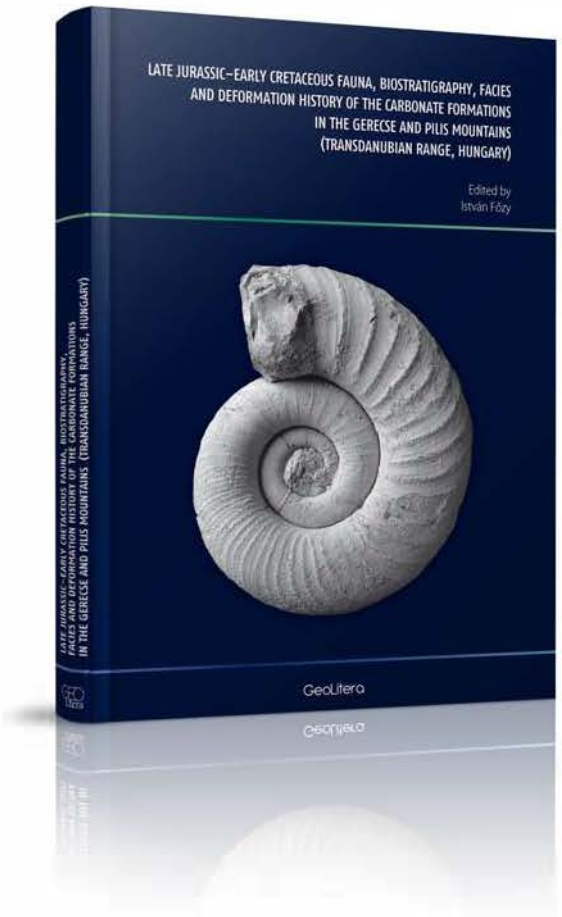

Late Jurassic–Early Cretaceous fauna, biostratigraphy, facies and deformation history of the carbonate formations in the Gerecse and Pilis Mountains (Transdanubian Range, Hungary)

Edited by István Főzy

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This monograph summarizes our current knowledge on the richly fossiliferous Upper Jurassic–Lower Cretaceous carbonate formations of the Gerecse and Pilis Mountains, through the work of eleven authors from five countries. Studies of the macro- and microfauna from 18 sections provide a basis for a revised, high-resolution biostratigraphic framework. Ammonite assemblages of Oxfordian, Kimmeridgian, Tithonian and Berriasian stages represent a species of 120 genera, all of them are systematically described and illustrated in 63 plates. Diverse assemblages of other marine invertebrates are also documented and illustrated in 9 plates. Three new ammonite species and one new belemnite, brachiopod and bivalve species are introduced herein. Micro- and macrofossil-based biostratigraphic data are integrated with outcrop-scale structural geological observations and stable isotope analyses, leading to a comprehensive model of Late Jurassic to earliest Cretaceous sedimentary basin evolution of the region, which in turn contributes to a better understanding of the Mesozoic evolution of the north-eastern part of the Transdanubian Range.

The book is available also through the Hungarian Geological Society.

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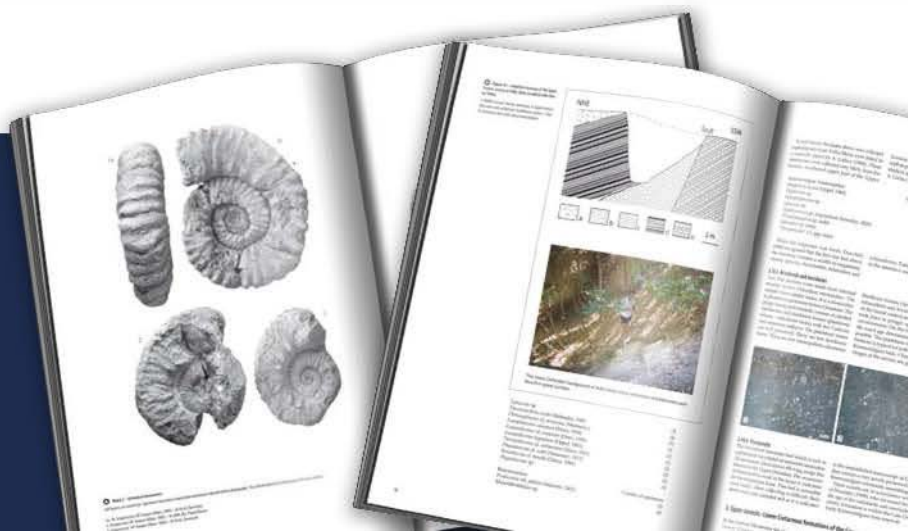

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