

THE FOSSIL FORAMINIFERA OF THE TERTIARY BASIN OF
VIENNA. REVISION OF THE MONOGRAPH BY ALCIDE
D'ORBIGNY (1846)

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Alcide d'Orbigny's work on the fossil foraminifera of the Vienna Basin Miocene was one of the most important early publications in micropaleontology. The original material was collected by J. v. Hauer in the outcrops around Vienna and sent to d'Orbigny for determination and description. He mentioned that this was the richest fauna of foraminifera ever found in any country.

The foraminifera are described from the marine Middle Miocene of Vienna Basin (Badenian stage), mainly from the near-shore facies at Nußdorf and Grinzing as well as from the deeper water clay near Baden. Additional material comes from the endemic development of the Sarmatian, but also from Bultur (Romania) and Tarnopol (Ukraine).

According to the facies development, only shallow water forms of agglutinated foraminifera are described:

Ammobaculites agglutinans
Martinoiella communis
Gaudryina mayeriana
Spiroplectinella carinata
Bigenerina agglutinans
Textularia div. sp.

The revision of the 228 species provides new descriptions in parallel columns in both German and English, and is accompanied by more than one hundred plates of SEM micrographs and reprints of original figures.