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MAGDA KONZALOVÁ

## Paleophytoplankton in geological research

### (Abstract)

The application of phytoplankton investigation in stratigraphic paleontology is outlined. It involves the preparation technique and the general characteristic of various groups of planktonic microfossils — *Acritarcha*, *Dinoflagellates*, green and blue-green algae — known from marine and brackish-marine sediments. The progress of microplankton-research in the Bohemian Massif in the Upper Proterozoic, Early Paleozoic and Upper Mesozoic is outlined. Particular attention is paid to the most characteristic microfossils, their assemblages and geological occurrence. Practical use in stratigraphy and geology is shown.

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