

Evolutionary Steps in Turkish Fossil Records

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Phanerozoic sedimentary deposits of Turkey contain innumerable records of both single- and multi-celled organism groups and these fossils are actively used in chronostratigraphic and depositional environment interpretations which form the basis of nearly all geological studies. In the continental and marine environments, accelerated rates of evolution in certain time intervals have yielded several taxa and these taxa displaying changing morphological characters have accumulated in the deposits suitable for organisms. In the papers which will be presented in this session, the evolutionary steps of fossils will be put forward with detailed descriptions of morphological parameters and the chronostratigraphic and global importance of evolutionary steps will be emphasized.