



Formation and Evolution of Glauconite. New Scale Approach

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Deadline for manuscript
submissions:
closed (17 February 2023)

Message from the Guest Editor

For a long period of time, particular attention was paid to glauconitisation in unburied sediments lying on the continental shelves of present oceans. The processes observed and analyzed may have served as models for studies of glauconite in neritic zones of Cenozoic or even Mesozoic basins. Access to the sedimentary domains of the deep oceans, particularly those of contouritic accumulation, has made it possible to discover new aspects of glauconitization. Thus, the prevailing control by fairly high temperature water has become obsolete, and the influence of the nature of continental flows has become differently analysed.

Sediments from contouritic accumulation provide a condensed and undisturbed sedimentary record without long periods of sediment erosion. Glauconitic grains could possibly integrate the signature of bottom water masses over prolonged periods of time, which, while preventing their use in high-resolution studies, would provide an effective means for yielding reliable average estimates on past ϵNd signatures of bottom water masses.





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Message from the Editor-in-Chief

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Journal Rank: JCR - Q2 (*Mineralogy*) / CiteScore - Q2 (*Geology*)

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