The Depositional Record

A Journal of Biological, Physical and Geochemical Sedimentary Processes

Editors
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Aims and Scope

The Depositional Record will emphasize the application of sedimentary processes to the study of paleoclimate, changes of the chemical environment throughout deep time (such as changes in the composition of seawater oxygen isotopic composition and Mg/Ca ratios, ocean acidification etc.), modern studies on ocean acidification, extraterrestrial sedimentology, application of genetic methods to understanding sedimentological processes, such as using genetic probes to understand processes, interaction between the biological and geological systems such as calcification in carbonate secreting organisms, the role of microbes in the formation of carbonate minerals, the use of novel geochemical methods such as clumped isotopes, the application of non-mass dependent fractionation of systems involving more than two stable isotopes, as well as normal sedimentary processes. The journal will cover all time scales from the Modern to the Ancient Earth. Hence we would include experimental studies on modern organisms and sedimentary systems as well as the application of such results to the oldest sediments on Earth and periods in between.

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Cover Illustration:

Interpretation of panoramic pictures taken in the Sigerslev Quarry illustrating the relationship between polygonal faults and fluid expulsion conduits terminating in a pockmark (See Moreau et al, This Issue).
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