

***RESEARCH ARTICLES***

Evolution of calcite microcrystal morphology during experimental dissolution

**Mohammed S. Hashim and Stephen E. Kaczmarek**

Extreme-flood-related peat blocks: an Anthropocene analogue to ancient coal-forming environments

**Juan Pedro Rodríguez-López, Ana R. Soria, and Carlos L. Liesa**

Contrasting facies patterns between river-dominated and symmetrical wave-dominated delta deposits

**Brian J. Willis, Tao Sun, and R. Bruce Ainsworth**

Depositional environments and salt-thickness variations in Urmia Lake (NW Iran): insight from sediment-core studies

**Ali Mohammadi, Razieh Lak, Georg Schwamborn, Amaneh Kaveh Firouz, Attila Çiner, and Javad Darvishi Khatouni**

Evolution of a complex early Permian coarse-grained shoreline along a rift basin margin

**Antoine Dillinger, Annette D. George, and Romain Vaucher**