RESEARCH ARTICLES

Sedimentological and ichnological characterization of the Middle to Upper Devonian Horn River Group, British Columbia, Canada: insights into mudstone depositional conditions and processes below storm wave base
Korhan Ayrancia, Nicholas B. Harris, and Tian Dong

Field observations on the evolution of reticulate patterns in microbial mats in a modern siliciclastic coastal environment
Diana G. Cuadrado and Jerónimo Pan

Quartz and Fe-dolomite–ankerite cements record shifts in formation-water chemistry and hydrocarbon migration in Devonian shoreface sandstones, Ghadamis Basin, Libya
Mufta A. Khalifa, Howri Mansurbeg, Daniel Morad, Sadoon Morad, Ihsan S. Al-Aasm, Pavel Spirov, Andrea Ceriani, and Luiz Fernando De Ros

Plan-view paleochannel reconstruction of amalgamated meander belts, Cretaceous Ferron Sandstone, Notom Delta, south-central Utah, U.S.A.
Jianqiao Wang and Janok P. Bhattacharya

Oxygen isotope microanalysis by secondary ion mass spectrometry suggests continuous 300-million-year history of calcite cementation and dolomitization in the Devonian Bakken Formation
Mark W. Brodie, Andrew C. Aplin, Bruce Hart, Ian J. Orland, John W. Valley, and Adrian J. Boyce

Micromorphology and sequence stratigraphy of the interfluve paleosols from the Ganga Plains: a record of alluvial cyclicity and paleoclimate during the late Quaternary
Pankaj Srivastava, Rajiv Sinha, Vivek Deep, Arvind Singh, and Neha Upreti

Paleo-eolian dynamics in the Andean Plateau: inferences from sedimentology of fossil and modern dunes
Romina Lucrecia López Steinmetz and Lorena Cecilia López Steinmetz

CURRENT RIPPLES

Mixed-energy process interactions read from a compound-clinoform delta (paleo–Orinoco Delta, Trinidad): preservation of river and tide signals by mud-induced wave damping
Yang Peng, Ronald J. Steel, Valentina M. Rossi, and Cornel Olariu

PERSPECTIVES

Back to basics of sequence stratigraphy: early Miocene and mid-Cretaceous examples from the New Jersey paleoshelf