

RESEARCH ARTICLES

Lipid composition of the microbial mat from a hypersaline environment (Vermelha Lagoon, Rio de Janeiro, Brazil)

Tais Freitas da Silva, Sinda Beatriz Carvalhal Gomes, Frederico Sobrinho da Silva, Ksenija Stojanović, Rosane Nora Castro, João Graciano Mendonça Filho, and Milton Santos

Deformation–sedimentation feedback and the development of anomalously thick aggradational turbidite lobes: outcrop and subsurface examples from the Hikurangi Margin, New Zealand

Adam D. McArthur, Julien Bailleul, Geoffroy Mahieux, Barbara Claussmann, Alex Wunderlich, and William D. McCaffrey

2D numerical simulation of the filling process of submarine minibasins: study of deposit architecture

Elena Bastianon, Enrica Viparelli, Alessandro Cantelli, and Jasim Imran

Depositional and sequence stratigraphic model of transgressive shelf sandstone: the Late Cretaceous Tocito Sandstone, San Juan Basin, New Mexico, U.S.A.

Wen Lin, David Kynaston, Curtis Ferron, Janok P. Bhattacharya, and William Matthews

RESEARCH METHODS

A novel approach to investigate the deposition of (bio)chemical sediments: the sedimentation velocity of cyanobacteria–ferrihydrite aggregates

Yuhao Li, Bruce R. Sutherland, Murray K. Gingras, George W. Owttrim, and Kurt O. Konhauser