

# Journal of Micropalaeontology

Volume 33, Part 2, September 2014

## CONTENTS

### Thematic set papers: Siliceous plankton biomineralization, biodiversity and evolution

**Editorial: Siliceous plankton biomineralization, biodiversity and evolution**

T. Danelian & C. S. Allen

109

**Diatom identification in the face of changing species concepts and evidence of phenotypic plasticity**

E. J. Cox

111

**Current taxonomic studies on the diatom flora (Bacillariophyceae) of the Bolivian Altiplano, South America, with possible consequences on palaeoecological assessments**

E. A. Morales, C. E. Wetzel, S. F. Rivera, B. Van de Vijver & L. Ector

121

**Proxy development: a new facet of morphological diversity in the marine diatom *Eucampia antarctica* (Castracane) Mangin**

C. S. Allen

131

**Pseudopodial silica absorption hypothesis (PSA hypothesis): a new function of pseudopodia in living radiolarian polycystine cells**

K. Ogane, N. Suzuki, A. Taji & R. S. Hori

143

**A diverse Upper Darriwilian radiolarian assemblage from the Shundy Formation of Kazakhstan: insights to late Middle Ordovician radiolarian biodiversity**

L. Pouille, T. Danelian & L. E Popov

149

**Biostratigraphical and palaeobiogeographical implications of Lower Silurian Radiolaria from black cherts of the Armorican Massif (France)**

M. Tetard, T. Danelian & P. Noble

165

**Phylogenetic model of *Follicucullus* lineages (Albaillellaria, Radiolaria) based on high-resolution biostratigraphy of the Permian Bancheng Formation, Guangxi, South China**

L. Zhang, T. Ito, Q. Feng, M. Caridroit & T. Danelian

179

### Papers

**Development of the freeze-thaw processing technique for disaggregation of indurated mudrocks and enhanced recovery of calcareous microfossils**

A. E. Kennedy & A. L. Coe

193

**Middle to Late Pleistocene radiolarian biostratigraphy in the water-mixed region of the Kuroshio and Oyashio currents, northeastern margin of Japan (JAMSTEC Hole 902-C9001C)**

K. M. Matsuzaki, N. Suzuki, H. Nishi, R. Takashima, Y. Kawate & T. Sakalii

205

### Obituary

**Obituary: Professor Richard Aldridge (1945-2014)**

D. Siveter & P. Smith

223

Abstracted and/or indexed in *Current Contents*, *Science Citation Index*, *GeoArchive*, *GeoRef*, *Geobase*, *Geological Abstracts* and *CABS (Current Awareness in Biological Sciences)*

