

Contents

vii Preface

Natural Resources in Lacustrine Basins

- 3 Natural resources in the lacustrine facies of the Cenozoic rift basins of East Africa
J.-J. Tiercelin
- 39 Sedimentology of sodium sulphate deposits and special clays from the Tertiary Madrid Basin (Spain)
S. Ordóñez, J.P. Calvo, M.A. García del Cura, A.M. Alonso-Zarza and M. Hoyos
- 57 Lacustrine carbonates: facies models, facies distributions and hydrocarbon aspects
N.H. Platt and V.P. Wright
- 75 Structural and depositional patterns of the Tertiary Baise Basin, Guang Xi Autonomous Region (southeastern China): a predictive model for fossil fuel exploration
Lin Changsong, Yang Qi and Li Sitian
- 93 Tertiary lignite-bearing lacustrine facies of the Zittau Basin: Ohře rift system (Poland, Germany and Czechoslovakia)
J.R. Kasiński
- 109 Carbonate and coal deposition in an alluvial–lacustrine setting: Lower Cretaceous (Weald) in the Iberian Range (east-central Spain)
E. Gierlowski-Kordesch, J.C. Gómez Fernández and N. Meléndez
- #### **Modern Processes in East African Rift Lakes**
- 129 High-resolution acoustic character of Lake Malawi (Nyasa), East Africa and its relationship to sedimentary processes
D.L. Scott, P. Ng'ang'a, T.C. Johnson and B.R. Rosendahl
- 147 Late Pleistocene and Recent detrital sedimentation in the deep parts of northern Lake Tanganyika (East African rift)
F. Baltzer
- 175 Shore-zone sedimentation and facies in a closed rift lake: the Holocene beach deposits of Lake Bogoria, Kenya
R.W. Renaut and R.B. Owen

Stratigraphy and Rhythmicity in Lacustrine Deposits

- 199 Ephemeral lakes, mud pellet dunes and wind-blown sand and silt: reinterpretations of Devonian lacustrine cycles in north Scotland
D.A. Rogers and T.R. Astin
- 223 Wave-dominated lacustrine facies and tectonically controlled cyclicity in the Lower Carboniferous Horton Bluff Formation, Nova Scotia, Canada
A.T. Martel and M.R. Gibling
- 245 Rhythmically laminated lacustrine carbonates in the Lower Cretaceous of La Serranía de Cuenca Basin (Iberian Ranges, Spain)
J.C. Gómez Fernández and N. Meléndez
- 257 Sequential arrangement and asymmetrical fill in the Miocene Rubielos de Mora Basin (northeast Spain)
P. Anadón, Ll. Cabrera, R. Julià and M. Marzo
- Geochemistry and Organic Remains in Lacustrine Deposits**
- 279 Evolution of lacustrine systems in the Tertiary Narbonne Basin, northern Pyrenean foreland, southeast France
J. Szulc, Ph. Roger, M.P. Mouline and M. Lenguin
- 291 Organic tissues in Tertiary lacustrine and palustrine rocks from the Jiyang and Pingyi rift depressions, Shandong Province, eastern China
E.I. Robbins, Zhou Zili and Zhou Zhicheng
- 313 Index