

Contents

| | |
|--|-----|
| Introduction | 1 |
| Pre-Cenozoic Climates | |
| CLAUSING, A. & BOY, J. A. Lamination and primary production in fossil lakes: relationship to palaeoclimate in the Carboniferous–Permian transition | 5 |
| BEERLING, D. J. Global terrestrial productivity in the Mesozoic era | 17 |
| HART, M. B. Climatic modelling in the Cretaceous using the distribution of planktonic Foraminiferida | 33 |
| GOLOVNEVA, L. B. The Maastrichtian (Late Cretaceous) climate in the Northern Hemisphere | 43 |
| Mid-Cenozoic Climates | |
| CHIRA, C., FILIPESCU, S. & CODREA, V. Palaeoclimatic evolution in the Miocene from the Transylvanian Depression reflected in the fossil record | 55 |
| JURKSCHAT, TH., FENNER, J., FISCHER, R. & MICHALZIK, D. Environmental changes in pre- evaporitic Late Miocene time in the Lorca Basin (SE Spain): diatom results | 65 |
| KORPÁS-HÓDI, M., NAGY, E., NAGY-BODOR, E., SZÉKVÖLGYI, K. & KOVÁCS, L. Ó. Late Miocene climatic cycles and their effect on sedimentation (west Hungary) | 79 |
| KVAČEK, Z. Climatic oscillations versus environmental changes in the interpretation of Tertiary plant assemblages | 89 |
| Responses to Quaternary Climate Change | |
| AMORE, F. O., CIAMPO, G., DI DONATO, V., ESPOSITO, P., RUSSO ERMOLLI, E. & STAITI, D. An integrated micropalaeontological approach applied to Late Pleistocene–Holocene palaeoclimatological and palaeoenvironmental changes (Gaeta Bay, Tyrrhenian Sea) | 95 |
| DI GERONIMO, I., DI GERONIMO, R., LA PERNA, R., ROSSO, A. & SANFILIPPO, R. Cooling evidence from Pleistocene shelf assemblages in SE Sicily | 113 |
| NAGY-BODOR, E., JÁRAI-KOMLÓDI, M. & MEDVE, A. Late Glacial and Post-Glacial pollen records and inferred climatic changes from Lake Balaton and the Great Hungarian Plain | 121 |
| ROHLING, E. J., DE RIJK, S., MYERS, P. G. & HAINES, K. Palaeoceanography and numerical modelling: the Mediterranean Sea at times of sapropel formation | 135 |

CONTENTS

vi

| | |
|---|-----|
| RUSO ERMOLLI, E. Pollen analysis of the Acerno palaeo-lacustrine succession (Middle Pleistocene, southern Italy) | 151 |
| Vertebrate and Hominid Evolution as a Response to Climate Change | |
| AZANZA, B., ALBERDI, M. T. & PRADO, J. L. Large mammal turnover pulses correlated with latest Neogene glacial trends in the northwestern Mediterranean region | 161 |
| BONFIGLIO, L., MARRA, A. C. & MASINI, F. The contribution of Quaternary vertebrates to palaeoenvironmental and palaeoclimatological reconstructions in Sicily | 171 |
| CHALINE, J., DURAND, A., DAMBRICOURT MALASSÉ, A., DAVID, B., MAGNIEZ-JANNIN, F. & Marchand, D. Were climatic changes a driving force in hominid evolution? | 185 |
| FLADERER, F. A. Late Quaternary vertebrate taphocoenoses from cave deposits in southeastern Austria: responses in a periglacial setting | 199 |
| Index | 215 |

It is recommended that reference to all or part of this book should be made in one of the following ways:

- Hart, M. B. (ed.) 2000. *Climates: Past and Present*. Geological Society, London, Special Publications, **181**.
- BEERLING, D. J. 2000. Global terrestrial productivity in the Mesozoic era. *In*: HART, M. B. (ed.) *Climates: Past and Present*. Geological Society, London, Special Publications, **181**, 17–32.