

Contents

Preface	vi
CRAIG, J., THUROW, J., THUSU, B., WHITHAM, A. & ABUTARRUMA, Y. Global Neoproterozoic petroleum systems: the emerging potential in North Africa	1
SMITH, A. Neoproterozoic timescales and stratigraphy	27
BUTTERFIELD, N. J. Macroevolutionary turnover through the Ediacaran transition: ecological and biogeochemical implications	55
SCOTESE, C. R. Late Proterozoic plate tectonics and palaeogeography: a tale of two supercontinents, Rodinia and Pannotia	67
KENDALL, B., CREASER, R. A. & SELBY, D. ^{187}Re - ^{187}Os geochronology of Precambrian organic-rich sedimentary rocks	85
GHORI, K. A. R., CRAIG, J., THUSU, B., LÜNING, S. & GEIGER, M. Global Infracambrian petroleum systems: a review	109
LOTTAROLI, F., CRAIG, J. & THUSU, B. Neoproterozoic–Early Cambrian (Infracambrian) hydrocarbon prospectivity of North Africa: a synthesis	137
LÜNING, S., KOLONIC, S., GEIGER, M., THUSU, B., BELL, J. S. & CRAIG, J. Infracambrian hydrocarbon source rock potential and petroleum prospectivity of NW Africa	157
BENSHATI, H., KHOJA, A. & SOLA, M. Infracambrian sediments in Libyan sedimentary basins	181
LE HERON, D. P., HOWARD, J. P., ALHASSI, A. M., ANDERSON, L., MORTON, A. & FANNING, C. M. Field-based investigations of an ‘Infracambrian’ clastic succession in SE Libya and its bearing on the evolution of the Al Kufrah Basin	193
AZIZ, A. & GHNIA, S. Distribution of Infracambrian rocks and the hydrocarbon potential within the Murzuq and Al Kufrah basins, NW Africa	211
RAHMANI, A., GOUCEM, A., BOUKHALLAT, S. & SAADALLAH, N. Infracambrian petroleum play elements of the NE Taoudenni Basin (Algeria)	221
GÁMEZ VINTANED, J. A., SCHMITZ, U. & LIÑÁN, E. Upper Vendian-lowest Ordovician sequences of the western Gondwana margin, NE Spain	231
BHAT, G. M., RAM, G. & KOUL, S. Potential for oil and gas in the Proterozoic carbonates (Sirban Limestone) of Jammu, northern India	245
BECHSTÄDT, T., JÄGER, H., SPENCE, G. & WERNER, G. Late Cryogenian (Neoproterozoic) glacial and post-glacial successions at the southern margin of the Congo Craton, northern Namibia: facies, palaeogeography and hydrocarbon perspective	255
HLEBSZEVITSCH, J. C., GEBHARD, I., CRUZ, C. E. & CONSOLI, V. The ‘Infracambrian System’ in the southwestern margin of Gondwana, southern South America	289
Index	303