

Contents

Chapter 1 MAZUMDER, R. & ERIKSSON, P. G. Precambrian basins of India: stratigraphic and tectonic context	1
General area	
Chapter 2 ALLEN, P. A., ERIKSSON, P. G., ALKMIM, F. F., BETTS, P. G., CATUNEANU, O., MAZUMDER, R., MENG, Q. & YOUNG, G. M. Classification of basins, with special reference to Proterozoic examples	5
Chapter 3 MEERT, J. G. & PANDIT, M. K. The Archaean and Proterozoic history of Peninsular India: tectonic framework for Precambrian sedimentary basins in India	29
Aravalli–Bundelkhand Craton	
Chapter 4 ROY, A. B. & PUROHIT, R. Lithostratigraphic, geochronological and depositional framework of the Precambrian basins of the Aravalli Mountains and adjoining areas, Rajasthan, India	55
Chapter 5 CHAKRABORTY, P. P., PANT, N. C. & PAUL, P. P. Controls on sedimentation in Indian Palaeoproterozoic basins: clues from the Gwalior and Bijawar basins, central India	67
Chapter 6 BOSE, P. K., SARKAR, S., DAS, N. G., BANERJEE, S., MANDAL, A. & CHAKRABORTY, N. Proterozoic Vindhyan Basin: configuration and evolution	85
Singhbhum Craton	
Chapter 7 HOFMANN, A. & MAZUMDER, R. A review of the current status of the Older Metamorphic Group and Older Metamorphic Tonalite Gneiss: insights into the Palaeoarchaean history of the Singhbhum craton, India	103
Chapter 8 VAN LOON, A. J. & DE, S. Archaean sedimentation on the Singhbhum Craton: depositional environments of conglomerates in Jharkhand (east India)	109
Chapter 9 GHOSH, G., GHOSH, B. & MUKHOPADHYAY, J. Palaeoarchaean–Mesoproterozoic sedimentation and tectonics along the west-northwestern margin of the Singhbhum Granite body, eastern India: a synthesis	121
Chapter 10 MAZUMDER, R., DE, S., OHTA, T., FLANNERY, D., MALLIK, L., CHAUDHURY, T., CHATTERJEE, P., RANAIVOSON, M. A. & ARIMA, M. Palaeo-Mesoproterozoic sedimentation and tectonics of the Singhbhum Craton, eastern India, and implications for global and craton-specific geological events	139
Bastar Craton	
Chapter 11 MOHANTY, S. P. Palaeoproterozoic supracrustals of the Bastar Craton: Dongargarh Supergroup and Sausar Group	151
Chapter 12 CHAUDHURI, A. K., DEB, G. K. & PATRANABIS-DEB, S. Conflicts in stratigraphic classification of the Puranas of the Pranhita–Godavari Valley: review, recommendations and status of the ‘Penganga’ sequence	165
Chapter 13 CHAKRABORTY, P. P., SAHA, S. & DAS, P. Geology of Mesoproterozoic Chhattisgarh Basin, central India: current status and future goals	185
Chapter 14 DAS, K., CHAKRABORTY, P. P., HAYASAKA, Y., KAYAMA, M., SAHA, S. & KIMURA, K. c. 1450 Ma regional felsic volcanism at the fringe of the East Indian Craton: constraints from geochronology and geochemistry of tuff beds from detached sedimentary basins	207
Dharwar Craton	
Chapter 15 SUNDER RAJU, P. V. & ERIKSSON, P. G. Evolution of c. 3.5–2.5 Ga basins of the Dharwar Craton	223
Chapter 16 MATIN, A. Tectonics of the Cuddapah Basin and a model of its evolution: a review	231
Chapter 17 CHAKRABARTI, G., ERIKSSON, P. G. & SHOME, D. Sedimentation in the Papaghni Group of rocks in the Papaghni sub-basin of the Proterozoic Cuddapah Basin, India	255
Chapter 18 SAHA, D., SAIN, A., NANDI, P., MAZUMDER, R. & KAR, R. Tectonostratigraphic evolution of the Nellore schist belt, southern India, since the Neoproterozoic	269
Chapter 19 DEY, S. Geological history of the Kaladgi–Badami and Bhima basins, south India: sedimentation in a Proterozoic intracratonic setup	283

Chapter 20	SENGUPTA, P., RAITH, M. M., KOOLJMAN, E., TALUKDAR, M., CHOWDHURY, P., SANYAL, S., MEZGER, K. & MUKHOPADHYAY, D. Provenance, timing of sedimentation and metamorphism of metasedimentary rock suites from the Southern Granulite Terrane, India	297
Concluding topics		
Chapter 21	DEB, M. & PAL, T. Mineral potential of Proterozoic intracratonic basins in India	309
Chapter 22	MISHRA, B. Precambrian metallic mineralization in India	327
Chapter 23	MIALL, A. D., CATUNEANU, O., ERIKSSON, P. G. & MAZUMDER, R. A brief synthesis of Indian Precambrian basins: classification and genesis of basin-fills	339
Index		349