Contents

Preface		v
1.	Metallogenic Provinces of Laurentia in a Superplume-Supercontinent Framework with a Focus on Gold	1
	Robert Kerrich, Richard Goldfarb, Jean Cline and David Leach	
2.	Evidence for a Two-stage Process in the Genesis of Sediment-hosted Gold-Arsenic Deposits Ross R. Large	30
3.	Controls on the Global Distribution of Orogenic Gold and their Significance in Relation to India	48
	R.J. Goldfarb, D.I. Groves, R.D. Taylor and M. Deb	
4.	A Multi-stage Origin for the Meguma Lode Gold Deposits, Nova Scotia, Canada: A Possible Global Model for Slate Belt-hosted Gold Mineralization Daniel J. Kontak and Richard J. Horne	58
5.	Polymictic Conglomerate as a Guide to Gold in Archean Greenstone Belts with Reference to Hutti and Kolar, Eastern Dharwar Craton, India K. Howard Poulsen	83
6.	Gold Mineralization in India: An Introduction S.C. Sarkar	95
7.	A Review of the Structural Characteristics of Orogenic Gold Deposits, with Special Reference to Indian Gold Fields A. Chattopadhyay	123
8.	Metamorphism and Hydrothermal Fluid Evolution in Relation to Gold Metallogeny, Dharwar Craton, Southern India B. Mishra	154
9.	Modeling the Hutti Gold Deposit: Challenges and Constraints C.G. Nevin, M. Vijay Malli and H.S. Pandalai	168
10.	Geochemistry and Evolution of the Hutti-Maski Greenstone Belt: Link between Archean Crustal Evolution and Gold Mineralization M. Ram Mohan and D. Sriniyasa Sarma	191

Contents

11.	A Model for Gold-Sulfide Mineralization in the Kottapalle Mining Block of the Ramagiri Greenstone Belt, Eastern Dharwar Craton, Southern India: Constraints from Stable Isotope Geochemistry and Fluid Inclusion Studies	20
	M. Deb and K. Bheemalingeswara	
12.	Gold Mineralization in the Southern Granulite Terrane of Peninsular India R. Krishnamurthi, A.K. Sen, T. Pradeepkumar and Rajesh Sharma	22
13.	Geology of the Bhukia-Jagpura Prospect, Banswara District, SE Rajasthan, India, and a Model for Gold Mineralization S. Deol, M. Deb and A. Chattopadhyay	23
14.	Gold Mineralization in the Eastern Segment of Indian Precambrian Shield: A Review Anumendu Gunta	25
	Anupendu Gupta	20
Colour	r Plate Section	28
Index		30
About the Editors		31