CONTENTS

Preface	iii
SECTION 1: SMALL AND MEDIUM SCALE MINING/ ISSUES MANAGEMENT	
Addressing Social Tensions in Mining: A Framework for Greater Community Consultation and Participation Mamadou Barry	3
Small-Scale Mining: Time for Deeds Not Words Norman S. Jennings	9
Strategies for Development of Small/Medium Scale Mines in Africa Pierre A. Traoré	17
An Integrated Participatory Framework for the Exploitation of Mineral Resources in the Context of Sustainable Development — The Case of Namaqualand, South Africa Olle Östensson	25
Policies for Artisanal and Small Scale Mining in the Developing World — A Review of the Last Thirty Years John Hollaway	35
Gender Issues in Mining — Effects of Retrenchment Paramita Aich	43
Legislative Framework in Indian Mineral Sector and Scope for Its Improvement vis-a-vis Small Scale Mining R.L. Bhatia and S.V. Ali	53
Cluster-Mining: A Tested Concept for Small Mines S.L. Chakravorty	50
SECTION 2: ENVIRONMENTAL PERSPECTIVE	
Australian Initiatives for Best Practice Environmental Management in Small Scale Mining in the Asia-Pacific Peter Hancock and Stewart Needham	67

vi	
Integrated Environmental Management in Small Scale Mining — A Bolivian Experience Guillermo Cortez	81
Environmental and Social Considerations during Abandonment of Small Scale Underground Mining Operations: Case Study of a Copper Mine A. Santha Ram and A.N. Bose	83
Development of an Algorithm for Integrated Environmental Management Information System for Small Scale Open Cast Mines of Himalayan Region A.K. Soni and A. Swarup	93
SECTION 3: TECHNICAL DEVELOPMENTS	
Building a Better Sluice Box Don Stewart	111
Equipment Selection for Small to Medium Scale Mines Prabir Paul, G.C. Mishra and D.K. Panda	129
Identification of Technological Problems in Small Scale Mining in Tanzania; A Move towards Poverty Alleviation W. Mutagwaba, A. Mlaki and R. Mwaipopo-Ako	141
Birth of Small and Tiny Beneficiation Plant Shekhar Chakravarty	153
Software and Hardware Requirements for Small Scale Mining Sector A. Santha Ram	161
SECTION 4: SHARING EXPERIENCE WORLD WIDE	
Prospects and Problems: Small-Scale Gold Mining in Papua New Guinea and the Philippines uon Stewart	173
Small Scale Mining and the Environment in Zimbabwe: The Case of Additional Gold Fanning and Chromite Mining Oliver Maponga	185
Small and Medium Scale Mining in Indonesia, History and Current Activities — 1996 Antony H. Osman	213

vii