

Contents

Part I The Role of Mining in Developed and Developing Economies	
The Resource Curse: A Modern Myth?	3
Phillip Crowson	
Extractive Economies, Growth, and the Poor	37
Graham A. Davis	
The Challenge of Mineral Wealth: Using Resource Endowments to Foster Sustainable Development	61
K. McPhail	
The Role of Mining in the Economies of Developing Countries: Time for a New Approach	75
Keith Slack	
A Hierarchy of Natural Resources with Respect to Sustainable Development—A Basis for a Natural Resources Efficiency Indicator . . .	91
Markus Wagner and Friedrich-Wilhelm Wellmer	
Part II Mining and Sustainable Development	
Sustainable Energy and Mineral Resource Extraction and Consumption—Can a Viable Biosphere Be Preserved?	125
W.G. Ernst	
Sustainable Development and Mining—An Exploratory Examination of the Roles of Government and Industry	151
Arianna Waye, Denise Young, Jeremy P. Richards and Joseph A. Doucet	
Natural Resource-Based Sustainable Development Using a Cluster Approach	183
Indira Singh and Jim Evans	

Part III Mining and the Environment

Improving Environmental Performance in the Minerals Supply Chain Using a Life-Cycle Approach: The Role of Fuel and Lubricant Suppliers in Enabling Sustainable Development	205
Turlough F. Guerin	
Global Trends in Mine Reclamation and Closure Regulation	251
James M. Otto	
Environmental Liability in the Mining Sector: Prospects for Sustainable Development in the Democratic Republic of the Congo . . .	289
Marie Mazalto	

Part IV Mining and Societal Issues

Applications of Stakeholder Engagement and Eco-Efficiency as Enablers of Corporate Responsibility in the Australian Mining and Minerals Processing Industry	321
Turlough F. Guerin	
Socio-Economic Impacts of the Nanisivik and Polaris Mines, Nunavut, Canada	371
Léa-Marie Bowes-Lyon, Jeremy P. Richards, and Tara M. McGee	
Assessing the Socio-Economic Impacts of Mining: Case Study of the Landau Colliery, South Africa	397
Anthony Dane	
Public Policy Processes and Sustainability in the Minerals and Energy Industries	437
Ciaran O’Faircheallaigh	
The Extractive Industries Transparency Initiative: Panacea or White Elephant for Sub-Saharan Africa?	469
Gavin Hilson and Roy Maconachie	
Index	493