

MINERAL EXPLORATION

Second Edition

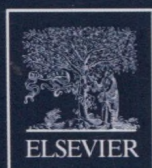
Principles and Applications

A practical and applied reference, covering all aspects of mineral exploration and development

- Offers important updates to the previous edition, including sections on the cyclical nature of the mineral industry, exploration for oil and gas, CHIM electro-geochemical survey, air-core drilling, classification of oil and gas resources, and touching smelting and refining technologies
- Presents case studies—including new global studies—that allow readers to quickly apply exploration concepts to real-world scenarios in the field
- Includes 385 illustrations and photographs to aid the reader in understanding key procedures and applications

Mineral Exploration: Principles and Applications, Second Edition, presents an interdisciplinary approach to addressing the full scope of mineral exploration. This includes everything from grassroots discovery, objective base sequential exploration, mining, beneficiation, and extraction to economic evaluation, Policies and Acts, rules and regulations, sustainability, and environmental impacts. Each topic is presented first using theoretical approaches, followed by specific applications that can be used in the field. The new edition features updated references, changes to rules and regulations associated with Policies and Acts, as well as new sections on oil and gas exploration and classification, air-core drilling, and smelting and refining techniques. *Mineral Exploration: Principles and Applications*, Second Edition, is a key resource for both academics and professionals, offering both practical and applied knowledge in mineral exploration.

Dr. Swapan Haldar has over 50 years of professional and academic experience in oil and base-noble metal exploration and mining. His profession has often required visits to zinc, lead, gold, tin, chromium, nickel, and platinum mines and exploration camps in Australia-Tasmania, Canada, USA, Germany, Portugal, UK, France, Italy, Netherlands, Switzerland, Saudi Arabia, Egypt, Jordan, Israel, Bangladesh, and Nepal. Since 2003, Dr. Haldar has served as Emeritus Scientist of the Department of Applied Geology at Presidency University in Kolkata, and a guest lecturer at Calcutta University and the Indian Institute of Technology in Dhanbad. He has authored 40 journal publications and four books, including *Platinum-Nickel-Chromium Deposits: Geology, Exploration and Reserve Base* (Elsevier). Dr. Haldar has a unique professional blend of experience in the mineral industry combined with classroom teaching of postgraduate students and executives.



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