

About The Book

Potential mineral belts in global perspective in different geotectonic frame with special reference to concealed deposits have been discussed in the book to suggest new mineral belts for geochemical exploration and modeling. Under such conditions, be it for terrestrial or offshore deposits, application of statistical methods with qualitative and wherever possible, quantitative earth science data for evaluation of mineral resources has become common in recent times. Computerized approaches adopted for this has been discussed with Indian examples, also applicable to deposits around the globe and those of South and South East Asia in particular. However, the main objective of geochemical exploration and modeling is to delineate the body geometry of the deposit in three dimensions. The different conventional and non-conventional techniques of exploration geochemistry are discussed, giving more emphasis to concealed terrestrial and offshore mineral deposits. This book is written in a manner to serve as a guide to field geologists, geochemists, students, research scholars and scientists interested in earth science for exploration of concealed mineral deposits and for evaluation of their resources.

Content

- 1) Modelling with Earth Science Data
- 2) Models for Different Types of Deposit
- 3) Geochemical Exploration of Mineral Deposits
- 4) Different Types of Geochemical Explorations
- 5) Non-Conventional Techniques for Concealed Deposits
- 6) Application of Modelling and Geochemical Techniques for REE and Rare Metal Exploration
- 7) Standard Analytical Methods for Geo-Samples
- 8) Suggestions for Future Work