

About the Book

Potential mineral belts in global perspective in different geotectonic frame have been discussed in the book to suggest new mineral belts for modeling and geochemical exploration. Under such conditions, be it for land or offshore deposit, application of statistical methods with qualitative and, wherever possible, quantitative earth science data for evaluation of mineral resources has become common in recent times. Computer based mineral deposit modeling is the best suitable way out predicting concealed mineralization. Computerized approaches adopted for this has been discussed with Indian examples. However, the main objective of modeling is to delineate the body geometry of the deposit in three dimensions. The author's Endeavour here is to compile the different conventional and non-conventional techniques of exploration geochemistry, giving more emphasis to concealed mineral deposits. This book is written in a manner to serve as guide to field geologists, geochemists, students, research scholars and scientists interested in earth science for exploration of mineral deposits and for evaluation of their resources.

Contents:

- 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. Standard analytical methods for Geo-samples*
- 7. Suggestions for future work*