

About the Book

The planet earth undergone major of evolution and deformation during the past geological history, modern geological and geophysical data indicate that the earth was exposed to chaotic, catastrophic and rythms rendering a very complex pattern of evolutionary processes on time scale ranging from years to several million years. The subject “ geospectroscopy” deals with the complete spectrum of these processed.

A major revolution in the earth sciences, during the past decades, has been the appreciation that the earth constitute a coupled dynamical system encompassing lithosphere, hydrosphere, biosphere atmosphere, although each of these has distinct entities, under certain conditions, they do get strongly coupled and exhibit remarkable similarity with external processes on identical time scales.

This volume is intended to serve as a simple comprehensive resources do understanding the emerging views and mechanisms of these geo-processes.

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