

Precambrian fold belt of India'; 'Tectonic Evolution of Early Precambrian South Indian Shield'; 'Lineament Fabric of Rajasthan and Gujarat'; 'Stress Modelling of Vidhyan Basin'; 'Evolution of Ramgarh Dome'; 'Circular Features of Thar Desert' and 'Deformation Tectonics of Deccan Volcanics'. In all these papers, the role of satellite imagery and aerial photographs in mapping the structural grain has been very well brought out by Ramasamy, Bakliwal and the other authors. There are eighteen papers in this volume with contributions on Western India, parts of Northern India, Central India and South India. The information contained in each of the papers is of value to young researchers.

The first paper by Sood et al. provides a comparative evaluation of the images provided by SIR-A, TERRA and Landsat platforms, with respect to their utility in extracting geological and landuse information in parts of Rajasthan. This paper gives an important suggestion that keeping the spectral bands constant and increasing the spatial resolution of satellite image data, may not help in acquiring additional information on lithology. Though this is a work done during 1986, its findings are significant now and are now being implemented in the form of hyperspectral remote sensing.

In-depth analysis on the lineaments of Rajasthan and Gujarat (Paper 5), modeling of Vindhyan Basin (paper 8) and evolution of Ramgarh Dome (paper 10) are benchmark papers and may be seen as sources of valuable information and a model research work for budding structural geologists.

The morphotectonic evolution of the Deccan volcanics

of Southern Saurashtra, coupled with the study of its relation to the western extension of the Narmada lineament, described in paper 13, is yet another demonstration of the potential of satellite images and field studies for structural interpretation.

Though there is a good dosage of structural aspects, the quantum of information on lithological and mineral mapping using remote sensing could have been higher. Such a balanced approach would have done justice to the title of the book. Another aspect that would have added value to the book is its size. The highly informative maps (and the book) could have been printed on A4 size paper, thus providing better clarity of details to the reader.

On the whole, this book provides wholesome information on how to extract geological information for tectonic studies, and draw inferences on the tectonic evolution and settings of different terrains. The efforts of Prof. Ramasamy and his team in building an active school of research in Remote Sensing at the Bharatidasan University is laudable. This book is certainly worth finding a place in the libraries of individuals and institutions carrying out studies in Geology and Remote Sensing.

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## Announcements

**CALL FOR PAPERS ON ALKALINE AND BASIC MAGMATISM:** Indian Association of Geochemists, Varanasi brings out the Indian Journal of Geochemistry annually. Each volume of this Journal has a special section devoted to specific topics in Geochemistry. For the year 2004, the Journal has planned to bring out a special section on "Alkaline and Basic Magmatism". Papers are invited on this topic. For further details, please contact: Dr. L.G. Gwalani, The University Department of Geology, GPO Box 89, Civil Lines, Nagpur - 440 001; **Phone:** 0712-2558953; **Email:** lalou101@rediffmail.com

**41<sup>st</sup> ANNUAL CONVENTION OF THE INDIAN GEOPHYSICAL UNION (IGU) AND MEETING ON INTER AND INTRAPLATE SEISMICITY IN INDIA: PRESENT KNOWLEDGE AND FUTURE STRATEGY:** This convention and meeting are scheduled during 29-31 December, 2004 at Saurashtra University, Rajkot, Gujarat. Apart from the special theme the three-day convention strating from 29 December 2004, will cover the following scientific topics: (1) Solid Earth Geophysics; (2) Atmosphere, Space and Planetary Sciences; (3) Marine Geosciences; (4) Theoretical and Experimental Geophysics; (5) Environmental Geophysics; (6) Geoscientific Instrumentation: Recent Advances; (7) Exploration Geophysics. For further details, please contact: Dr. P.R. Reddy, Convener, and Hon. Secretary and Treasurer, Indian Geophysical Union, NGRI Campus, Uppal Road, Hyderabad - 500 007. **Phone:** 040-23434662 (O), 040-27006534 (R). **Fax:** 040-27171564; **Email:** igu123@rediffmail.com or nandula@eth.net