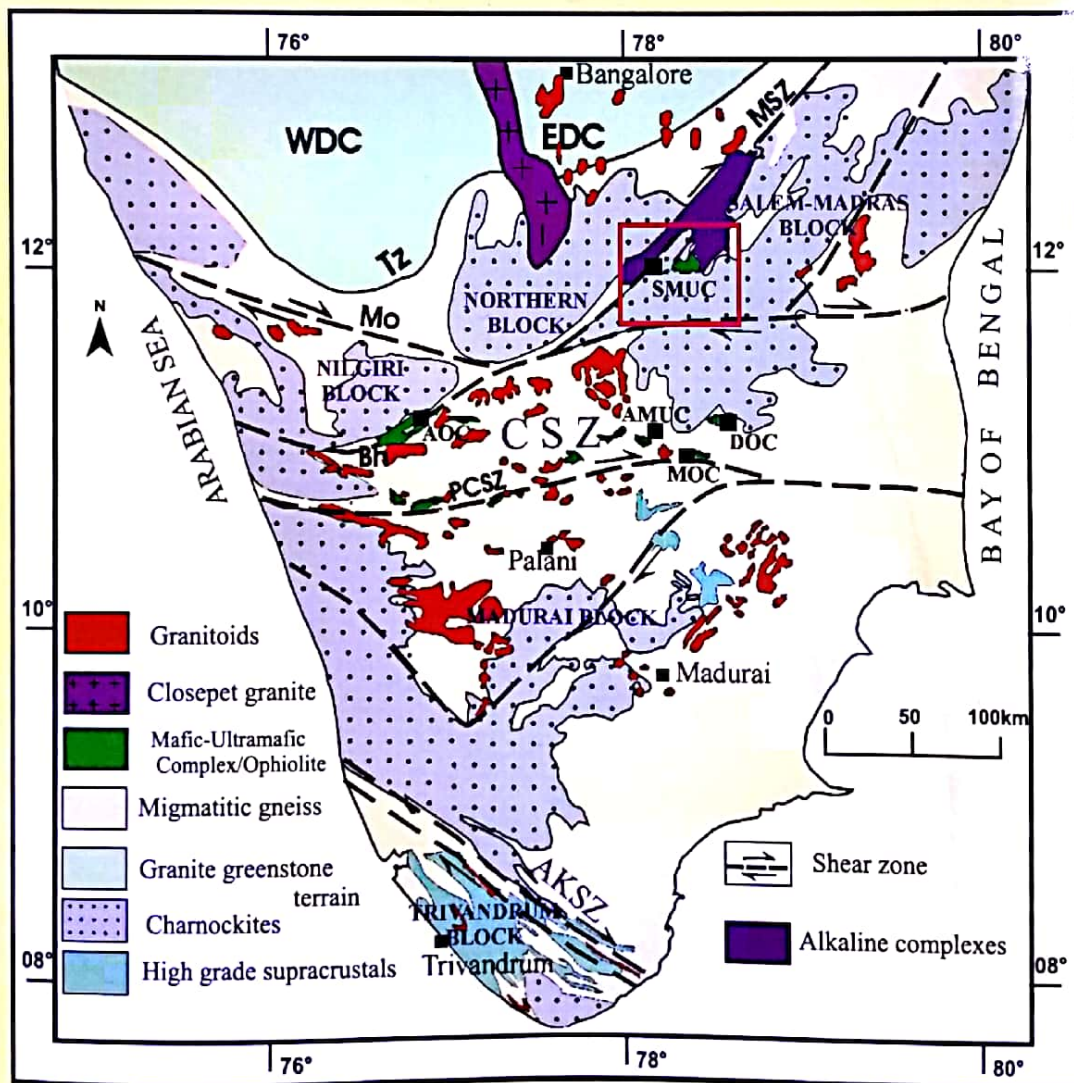


Journal of The Geological Society of India

Vol.97

JANUARY 2021

No.1



JOURNAL of THE GEOLOGICAL SOCIETY OF INDIA

(Abstracted/Indexed in AGI's Bibliography and Index of Geology, Chemical Abstracts, Current Contents, GEOBASE, GGeoRef, Mineralogical Abstracts, GeoArchive, Thomson ISI database (SCIE, CC/PC & ES))

Vol. 97

JANUARY 2021

No. 1

CONTENTS

The Charm of Paleontology.

ASHOK SAHNI 5

RESEARCH ARTICLES

Characteristics of the Seismic Clusters Bounding the Ramu-Markham Fault Zone, Eastern Papua New Guinea.

GEORGE NOHO, MANOJ MUKHOPADHYAY, BASAB MUKHOPADHYAY and DIPTANSU SENGUPTA 9

High Ti-bearing Gabbros from Chalk Hills of Salem, Southern India: A Co-genetic Origin during Neoproterozoic Alaskan-type Evolution.

21

Shock Metamorphic Features in the Archean Simlipal Complex, Singhbhum Craton, Eastern India: Possible Remnant of a Large Impact Structure.

AJAY K. SINGH, DEWASHISH UPADHYAY, KAMAL LOCHAN PRUSETH, KLAUS MEZGER, JAYANTA K. NANDA, SABYASACHI MAITI and DILIP SAHA 35

Assessing Sediment Pulse during an Extreme Hydrological Event in the Alaknanda Basin, Northwestern Himalaya, India.

RAHUL DEVRANI, VIMAL SINGH, MANISH MEHTA and A.L. RAMANATHAN 48

Hillichnus agrioensis and Associated Trace Fossils from Hettangian to Bajocian Thaiat Member of Lathi Formation, Jaisalmer Basin, Western Rajasthan.

V.S. PARIHAR, S.L. NAMA, V.K. MEGHWAL, C.P. KHICHI and S.C. MATHUR 55

Seasonal Distribution Trends of Benthic Foraminiferal Assemblages from the Saurashtra Coast, Western India.

DIPANKAR BURAGOHAIN and ANUPAM GHOSH 61

Morphotectonic Studies of Ghaggar Basin in the Northwestern Frontal Part of the Himalaya Based on Remote Sensing and GIS Techniques.

POOJA PANDEY and L.N. SHARMA 70

Stable Isotopes and Major Ions in Deciphering the Hydro-chemical Environment in the Tertiary Aquifer System of Kuttanad Area, Kerala.

V. KUNHAMBU, N. VINAYACHANDRAN and D.S. SURESHBABU 79

Statistical Study of the Factors Affecting Outdoor Gamma Dose Rate and Impact of Season.

MANOJ KUMAR JINDAL, SANTOSH KUMAR SAR, TRIAMBAK BAGHEL and DALJEET SINGH WADIWA 85

A New Model to Evaluate Groundwater Vulnerability that Uses a Hybrid AHP-GIS Approach. SHIMIN MA, XINYANG XU, JIAN CHUL, JIN NI, HONGWEI MA and HUI TIAN	94
NEWS AND NOTES	
Old Workings for Copper-Gold Mineralization, Malari Area, Chamoli District, Uttarakhand, India. P.S. MISRA and A.K. TALWAR	104
Report on the Webinar on 'Mahanadi Tribunal: will the Mahanadi River get Justice'. R.H. SAWKAR and P. KRISHNAMURTHY	107
200 years of Commemoration of Allah Bund Earthquake of Kachchh. M.G. THAKKAR, GAURAV CHAUHAN and SUMER CHOPRA.	109
CORRESPONDENCE	
Geoscience Education. K.P. THIRIVIKRAMJI	111

**The Geological Society of India
wishes all its readers a very
Happy New Year – 2021**

Cover

Regional geological map of Southern Granulite Terrane (modified after Santosh and Sajeew 2006; published Geological Survey of India maps). For details see pages 21-34

ADDRESS OF EDITOR

All papers intended for publication and also related correspondence should be addressed to:
B. Mahabaleswar, Editor, Geological Society of India, No.30 & 31, 1st Main, 3rd Cross,
Byrappa Garden, Kathriguppe, BSK 3rd Stage, Bengaluru - 560 085.
Email: editorjournalgsi@gmail.com; jgsi.journal@gmail.com; **Mobile:** 09341264052;
Telephone: 080-2672 3943; **Website:** <http://www.geosocindia.org>.