

**GeoChronicle Panorama** is an open-access, annual publication with one issue in each year containing Student-teacher relevant articles on Earth System Science (Earth, Climate and Environment). It is published under the aegis of the **CEHESH TRUST OF INDIA**, Keonjhar-758 001, Odisha, India. The publication encompasses articles on Earth, climate, and Environmental Sciences focusing the societal needs and relevance viz. mineral deposits and their modern techniques of mineral exploration, groundwater, remote sensing, GIS, stratigraphy, petrology, sedimentology, economic geology, industrial application of earth materials, sustainable mining and beneficiation and advances in earth sciences; climate change and its impacts and solution mechanisms; pollution and global warming, Environmental catastrophe and remedial measures, etc. The publication is continuing with the enthusiastic participation and contribution of the Earth System Science Community.

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Address: CEHESH TRUST OF INDIA, C/O: Dr. Banabehari Mishra, Near Indian Public School, Jail Road, Keonjhar-758001, Odisha, India, E-mail: [ceheshtrustofindia@cehesh.in](mailto:ceheshtrustofindia@cehesh.in)  
Contact info: +91-7008463040, +91-9178232893, Website: <http://www.cehesh.in>

### Editor-in Chief

Prof. (Dr.) A.P. Pradeepkumar

Professor of Geology, Dept. of Geology, University of Kerala Thiruvananthapuram-695 034, Kerala, India  
E-mail: [geo.pradeep@keralauniversity.ac.in](mailto:geo.pradeep@keralauniversity.ac.in) / [geo.pradeep@gmail.com](mailto:geo.pradeep@gmail.com)

Cover page: Fig.4. Column shaped Stromatolites p.22



Protect Climate, Earth and Environment

## CEHESH TRUST OF INDIA

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(CEHESH – Climate, Earth, Health, Environmental Sciences and HUMANITY)

**CEHESH TRUST OF INDIA**, a Non-Government Organization was established on 17<sup>th</sup> December 2021. It was registered on **29<sup>th</sup> April 2022** in Keonjhar, Odisha. **CEHESH stands for Climate, Earth, Health, Environmental Sciences and Humanity**. This Trust was formed by a small group of dedicated geo- scientists, Climate and Environment friendly community with the following aims and objectives.

- Dissemination of Earth System Science (Climate, Earth and Environmental Science) knowledge through offline and online teaching to +3 Degree and postgraduate students on **free of cost**.
- Publication of a biannual journal with the title “**JOURNAL OF GEOINTERFACE**” and an annual Student-teacher relevant publication “**GeoChronicle Panorama**” comprising Earth, Climate, planetary and Environmental Sciences.
- Conduct of National and International Seminar/symposium/workshop in the field of the Earth System Science (Earth, climate and Environmental Sciences).
- Introduction of “**GEO EXCELLENCE AWARD**”, “**YOUTH AWARD FOR ACADEMIC DISTINCTION**”, “**NATIONAL AWARD FOR ENVIRONMENT PROTECTION**” and “**CEHESH TRUST OF INDIA AWARDS**” from our country and abroad to those distinguished teaching/industrial/intellectual communities who have substantial contributions in the field of the Earth System Science on behalf of this TRUST.
- Establishment of a library related to these sciences.
- To organize and assist in the Field Training Programmes of students of Geology depts. of different colleges and universities.
- To organize special programmes in different schools and colleges to aware students on climate change, earth and environmental sciences, water and energy conservation along with action plans. In addition, awareness shall be developed through seminars and essay competitions on moral and ethical science, cultural and spiritual heritage of India and burning social problems of our country.
- To assist students for their placement in different earth science related organizations.
- Conduct of systematic plantation programmes with proper nourishment in different areas. In addition to it, a special drive to throw fruit bearing seeds of Mango, Jamun, Jack fruit etc. on barren lands and mounds (at 2-3inch depth if it is possible) has been taken up in western Odisha in the fruit season.
- To take up welfare activities in rural areas related to the provisions of **safe drinking water, health and sanitation**. **We were successful in establishing one safe drinking water project in an area dominated by tribal and underprivileged people of Keonjhar district where drinking water was highly unsafe, mostly muddy with dominance of iron content**. The people were suffering from various types of stomach diseases prior to our drinking water project. The location of the second project has also been detected and surveyed. It will be materialized subject to the availability of fund.
- Conduct of Health Checkup camps and “Yogic Exercises for Health Care” programmes in different schools and colleges.

**The Earth, Climate and Environment friendly community of our country and abroad are cordially invited to join this noble mission and to shoulder the responsibility of the execution of certain objectives and action plans of this registered Trust.**

**LET US SAVE OUR MOTHER EARTH'S ENVIRONMENT TO GET OURSELVES SAVED.**

*Focus to Excel. Dedicated to Selfless Service. Harness and Conserve Water and minerals for a Better Future.  
Nurture Nature for Future. Shaping our Future Together.*

**Dr. B. Mishra**

On behalf of the CEHESH TRUST OF INDIA

## GeoChronicle Panorama

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**Dr. B. Mishra, Patron**

C/O CEHESH TRUST OF INDIA  
Amrut Bihar, Near Indian Public School, Jail Road, Keonjhar-758001, Odisha, India Email:  
bmishrageol@cehesh.in / bmishra.geol@gmail.com

**Prof. (Dr.) A.P. Pradeepkumar, Editor-in-Chief**

Professor of Geology, Dept. of Geology, University of Kerala Thiruvananthapuram-695 034, Kerala, India E- Mail:  
geo.pradeep@keralauniversity.ac.in / geo.pradeep@gmail.com <https://www.keralauniversity.ac.in/dept/~appkumar>

**Prof. (Dr.) Raghavendramurthy Nagendra, Executive Editor**

Former Professor and Head, (Retired), Anna University, Chennai-600 025  
Res: B-322, II Floor, Zephyr Apartments, Vakil Marina Layout, Kodichikkanahali, Bangalore-560 076, India E-Mail:  
geonag@gmail.com / geonag@cehesh.in

**Prof. T.K. Biswal, Associate Editor**

Former Professor and Head, Dept. of Earth Sciences, IIT Bombay, Mumbai-400 076, India E-Mail:  
tkbiswal@iitb.ac.in / <https://www.geos.iitb.ac.in/index.php/tkb/>

**Dr. Nivedita Chakraborty, Section Editor**

Assistant Professor, Dept. of Geology, KJRGG Degree College Mejia Bankura-722 143, West Bengal, India E-Mail:  
nivedita.jugeo@gmail.com / <http://www.ggdcmjia.in/FacultyDetails.aspx?fid=24>

**Dr. Rudra Mohan Pradhan, Managing Editor**

Dept. of Geology and Geophysics, Indian Institute of Technology Kharagpur, West Bengal-721 302, India E-Mail:  
rudra.pradhan@iitkgp.ac.in / <https://sites.google.com/view/rudrapradhan/home>

### Members of the Editorial Board

With effect from February 2024 to January 2025

**Prof. (Dr.) Ramasamy Nagarajan**

Dean, R&D, Curtin Malaysia Research Institute Curtin  
University, CDT 250, Lutong, 98009 Miri, Malaysia  
E-Mail: nagarajan@curtin.edu.my

**Dr. Prabhakar Sangurmath**

Former Executive Director  
Hutti Gold Mines.Co. Ltd (HGML)  
Adjucant Faculty, National Institute of Advanced Studies,  
Indian Institute of Science Campus Bangalore  
Email:prabhakar\_sangurmath@rediffmail.com

**Prof. (Dr.) Bhushan S. Deota**

Professor of Geology  
Dept. of Geology, M.S. University  
Vadodara-390 002, Gujarat, India  
E-Mail: deota.bhusan-geology@msbaroda.ac.in

**Dr. Netrananda Sahu**

Associate Professor of Geography  
Dept. of Geography, University of Delhi New Delhi-  
110 007, India  
E-Mail: nsahu@geography.du.ac.in

**Dr. Priyabrata Das**

Assistant Professor of Geology Parul  
Institute of Applied Sciences  
Parul University, Vadodara 391760, India Email:  
priyabratapresi@gmail.com

**Prof. (Dr.) David T. King, Jr**

Professor of Geology  
Dept. of Geosciences, Auburn University  
Auburn, AL 36849 USA  
E-Mail: kingdat@auburn.edu

**Dr. Shreerup Goswami, Prof. and Head**

Department of Geology,  
Utkal University (NAAC A+ Accredited),  
Vani Vihar, Bhubaneswar-751004, Odisha.  
Phone No. +91 9437295624, 7008213291  
Email: [goswamishreerup@gmail.com](mailto:goswamishreerup@gmail.com)

**Prof. (Dr.) Thirunavukkarau Ramkumar**

Professor of Geology ( Retd.)  
Dept. of Earth Sciences, Annamalai University  
Annamalai Nagar-608002, Tamil Nadu, India E-  
Mail: tratrj@gmail.com

**Dr. Surya Snata Rout**

Assistant Professor of Earth and Planetary Sciences  
National Institute of Science Education and Research (NISER),  
Bhubaneswar, Jatni-752 050, Odisha, India  
E-Mail: surya.rout@niser.in

**Prof. (Dr.) M. Suresh Gandhi**

Professor, Department of Geology & Professor and Head i/c, Centre  
for Environmental Science  
University of Madras, Guindy Campus, Chennai - 600 025 Email:  
msureshgandhi@gmail.com

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