

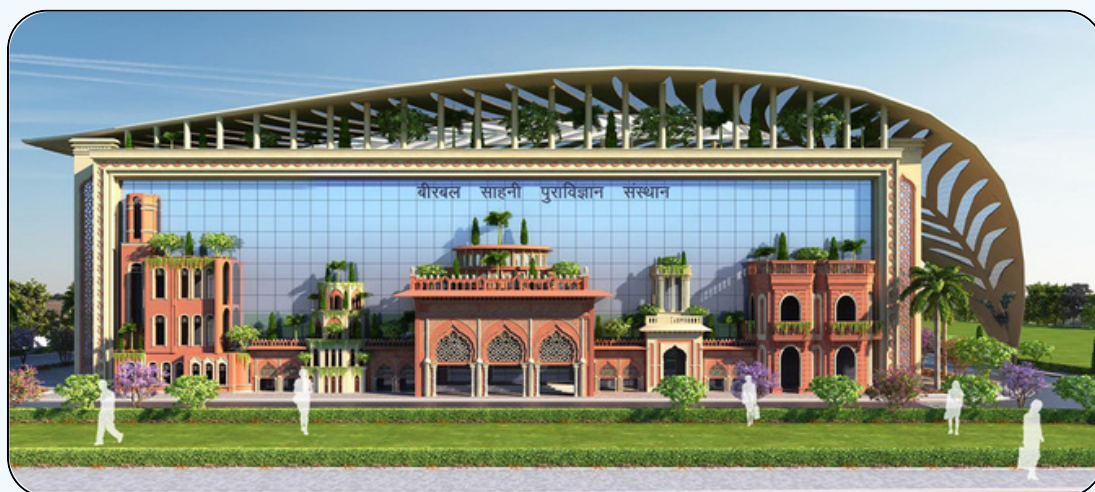


&  
National Conference on

AN ODYSSEY OF SEDIMENTOLOGY FROM PRECAMBRIAN TO  
ANTHROPOCENE: SIGNIFICANT CONTRIBUTIONS IN ENVIRONMENTAL  
CLIMATIC AND ENERGY RESEARCH  
(11<sup>th</sup> –13<sup>th</sup> December 2024)

IAS@BSIP - 2024

Organized by  
BIRBAL SAHNI INSTITUTE OF PALAEOSCIENCES  
LUCKNOW-226007, UTTAR PRADESH, INDIA



Registration form

<https://forms.gle/eEfd1KdyeJgBkEtt5>

## **About the conference**

We cordially invite you to the 40<sup>th</sup> Convention of the Indian Association of Sedimentologists (IAS-2024) and the National Conference on "An Odyssey of Sedimentology from Precambrian to Anthropocene: Significant contributions in Environmental Climatic and Energy Research". The conference will be held from 11<sup>th</sup> to 13<sup>th</sup> December 2024 at Birbal Sahni Institute of Palaeosciences, Lucknow. We have conscientiously proposed 10 major themes that comprise diverse disciplines in the field of sedimentology and Stratigraphy incorporating multidisciplinary approaches. Our primary idea is to bring experts, scientists, researchers, academicians, and industry professionals from the various sub-disciplines of sedimentology together to discuss the nuances of sedimentary processes, environment and energy resources in different geological time periods and to facilitate the exchange of innovative ideas among academicians, scientists, and industry professionals. The conference will feature with plenary sessions, keynote speeches, invited talks, oral presentations, and poster sessions on the proposed themes. Post-conference field excursions will also be arranged. The conference is expected to contribute for the advancement of sedimentological research with an aim to promote sustainable utilization of sedimentary resources and enhance our understanding of sedimentary processes and environments in geologically and environmentally significant regions. For detailed information about the conference, please visit our website: [www.indiansedimentologists.com](http://www.indiansedimentologists.com)

Sedimentology is a multifaceted discipline that plays a pivotal role in understanding Earth's history, origin and evolution of life, identifying and managing energy and mineral resources, addressing environmental issues, mitigating geological hazards, studying climate change, and supporting civil engineering and construction projects. In last ~5-6 decades, a systematic process-based study with introduction of 'Sequence Stratigraphy' paradigm on modern and ancient sedimentary successions has improved our understanding on sedimentation pattern and basin fill architecture in spatio-temporal framework. Further, with setting up of new state-of-the-art analytical facilities in different academic institutes and industries has opened new vistas on geochronology, provenance tracking, application of geochemistry in tracking early atmosphere/hydrosphere oxygenation, appearance of first multicellular life, managing geohazards, exploration of hydrocarbon and water resources etc. This conference intends to debate the present understanding on near- surface processes, products in terms of sedimentary and stratigraphic records, future prospects and how it can contribute to various practical applications with societal, economic, and environmental implications.

## **About the Birbal Sahni Institute of Palaeosciences**

Professor Birbal Sahni, FRS, established the Institute of Palaeobotany in 1946 to advance palaeobotany in India. Now known as the Birbal Sahni Institute of Palaeosciences (BSIP), it operates autonomously under the Department of Science and Technology, Government of India. The institute originally focused on plant fossils but expanded its mandate in 2015 to adopt a comprehensive approach to palaeosciences. Its research now encompasses:

- **Origin and evolution of life**
- **Climate change across geological times**
- **Human history and ancient civilizations**
- **Applications in oil and coal exploration**

BSIP excels in R&D through an innovative scientific team that explores biotic evolution, diversification of Precambrian life, Gondwana and Cenozoic flora, and organic petrology. Research also includes biostratigraphy, sedimentology, sequence stratigraphy, magnetostratigraphy, geochronology, and geochemistry to aid in sediment correlation, vertebrate palaeontology, palaeogenomics, and fossil fuel deposit exploration. BSIP studies climate change-vegetation links during the Quaternary Period and ancient human history using modern DNA analysis. It operates pan-India and in polar regions.

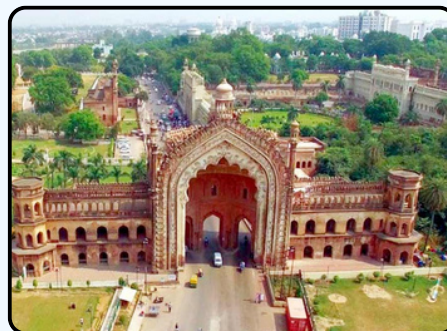




The institute boasts state-of-the-art facilities, including TL/OSL dating, IRMS, ICP-MS, GC-MS, XRD, XRF, TFIR systems, and specialized laboratories (geochemical, palaeomagnetic, vertebrate palaeontology, dendrochronology, ancient DNA, FE-SEM, CLSM, and Raman Spectroscopy). Future facilities will include Micro CT-Scan and AMS C14 dating. BSIP actively promotes geoheritage and geotourism through outreach activities and publishes the Journal of Palaeosciences.

### **About Lucknow City**

Lucknow, the capital of Uttar Pradesh in India, is known for its culture, civility, & courtesies. The city has maintained its old world charm, making it a popular destination for tourists. The city was a North Indian cultural and artistic hub & the seat of power for the Nawabs during the 18<sup>th</sup> & 19<sup>th</sup> centuries. The Nawabi era's imperialistic splendour and magnificence have been praised by writers, poets and historians making it a must visit destination.



Lucknow displays a rich heritage of education, culture, languages, monuments, cuisine, embroidery, muslins, and other light fabrics, gold, and silver jewellery. The city has several research Institutes and Universities, making it a hub for education and research. Lucknow is also sometimes fondly referred with names like The Constantinople of India, Shiraz-e-Hind, and the Golden City of the East, owing to its sprawling gardens, polite manners, fine cuisine, music, and poetry. The culture of Lucknow has a great feel and is an amalgamation of complete sophistication, warmth, manners, etiquette, courtesy and a fine taste in the standard of living. Many cultural traits of the city have become the landmarks of Tehzeeb. Lucknow is extremely popular with stylish and delicate Indian embroideries like Chikan and Lucknavi Zardozi. Lucknow's cuisine, also known as Awadhi cuisine has a unique delicate style. The major highlights are biryanis, kebabs, and bread-like, nahari-kulcha, sheermaal, and warqi paratha.

### **SCIENTIFIC THEMES**

- 1. Early Earth Lithosphere-Hydrosphere-Atmosphere-Biosphere evolution through sedimentary record**
- 2. Spatial and temporal evolution of siliciclastic deposition from continent to ocean**
- 3. Carbonate Depositional systems**
- 4. Astro-biological analogs, Biological Processes and Palynofacies in Sedimentary Record**
- 5. Recent developments in Stratigraphy and Geochronology**
- 6. Geomagnetism and Volcano-sedimentology**
- 7. Natural and Anthropogenic Hazards and Environmental Sedimentology**
- 8. Exploring Earth Surface through Chemical Sedimentology and hydrocarbon exploration**
- 9. Application of cutting-edge technology and modelling in sedimentology**
- 10. Quaternary sedimentary system (Aeolian, Fluvial, Glacial, Lacustrine, Coastal, Marine)**

### **ABSTRACTS AND FULL PAPERS**

The conference will feature oral presentations, poster presentations, and invited talks by renowned scientists and experts. Abstracts with a maximum limit of **500 words, formatted in A4 paper size, Times New Roman font, size-12, and spacing 1.5**, with normal margins of 1" on all sides, on the proposed conference themes should be sent to the Convener/Organizing Secretary by filling Google registration form on/before **15.10.2024**. Poster templates should be in **A0 size (118.9cm x 84.1cm)** and should include the title, author(s) with affiliation(s) and email, followed by introduction, objective, methodology, results, conclusions and/or discussion, references, and acknowledgement. Accepted abstracts will be published in the pre-conference abstracts volume and made available to registered delegates. Papers presented at the conference will be considered for publication in the Scopus Indexed Journal / UGC listed Journal of Indian Association of Sedimentologists. Delegates are required to submit full paper(s) in the format of the Journal of IAS to the Convener/Organizing Secretary.

## YOUNG SEDIMENTOLOGISTS AWARD

The Young Sedimentologists Award is open to unpublished original research works authored by research scholars and/or co-authored with their supervisor. Authors must strictly follow the guidelines available at:

<https://journal.indiansedimentologists.com/ojs/index.php/1/about/submissions>

for preparing the manuscript. Candidates should be **below 35 years** of age as of 1<sup>st</sup> July 2024 and must submit a date of birth certificate duly verified by the Head of the Department of the concerned Institution/University as proof of age. Full manuscripts should be submitted to the Convener/Organizing Secretary on or before **15<sup>th</sup> November 2024**. The manuscripts will be scrutinized by a panel of experts for oral presentation in a special session during the convention. Selection of the best paper presentation will be based on the content of the manuscript (25%), documentation (25%), presentation (25%), and defence (25%). The presentation shall be of 20 minutes duration, followed by a 10-minute defence.

## IMPORTANT DATES

Last date for submission of Abstract	: <b>15.10.2024</b>
Last date for submission of Full Paper	: <b>15.11.2024</b>
Last date for the submission of Full Paper for Young Sedimentologists Award	: <b>15.11.2024</b>
Confirmation of acceptance of the Abstract	: <b>05.11.2024</b>
Last date for Registration fee	: <b>31.10.2024</b>

## REGISTRATION FEE DETAILS

IAS Fellow	: <b>INR 2000/-</b>
University/College/Institute Delegate	: <b>INR 3000/-</b>
Industry Delegate	: <b>INR 4000/-</b>
Student Delegate	: <b>INR 1500/-</b>
Field trip Fee	: <b>INR 6000/-</b>
Accompanying member	: <b>INR 1500/-</b>
Foreign delegate	: <b>US\$ 200/-</b>
Delegates from SAARC Countries	: <b>INR 5000/-</b>



## ONLINE REGISTRATION FORM

<https://forms.gle/eEfd1KdyeJgBkEtt5> or **Scan to register**



## BANK ACCOUNT DETAILS FOR REGISTRATION

Institution Account Name: BIRBAL SAHNI INSTITUTE OF PALAEOSCIENCES

Account No: **187301000001666**

IFSC Code: **IOBA0001873**

SWIFT Code: **IOBAINBB207**

Bank Name: INDIAN OVERSEAS BANK

Branch: BSIP BRANCH

Kindly indicate the purpose of the transaction while paying the fee as **"IAS 2024 Fees Name"**

## POST-CONFERENCE WORKSHOPS

BSIP is organizing conference workshops on two important thrust areas in the field of Geosciences viz. Paleoclimate and Energy exploration. The participants are requested to choose among any workshop depending on their interest :

- [Workshop 1](#) : Palynology and its application in climate change studies.
- [Workshop 2](#) : Sequence stratigraphy: Siliciclastic and Carbonate systems: New look.

## POST-CONFERENCE FIELD EXCURSION

We propose post-Conference fieldwork on the Proterozoic Vindhyan Basin in Chitrakoot region. The maximum number of participants is limited to 25 pax and will be selected on the first come basis.

*Facies and depositional environmental setting of the Lower Vindhyan, Chitrakoot.*

## ACCOMMODATION

The organizing committee will provide information on hotels and guest houses located near the conference venue and participants can avail themselves of accommodation on a self-payment basis.

## VENUE

The conference will be held at the Auditorium, Birbal Sahni Institute of Palaeosciences, Lucknow. BSIP is located and easily accessible from Charbagh Railway station and Chaudhary Charan Singh Lucknow International Airport via metro rail and local road transport. It is approximately 20 km from Chaudhary Charan Singh Lucknow International Airport, 05 km from Charbagh Railway station and 8 km from Alambagh Bus Stand.

## ORGANIZING COMMITTEE - IAS@BSIP-2024

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**Patron**

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