

## CHIEF PATRON

**Prof. G. SASIBHUSHAN RAO**  
Vice-Chancellor(I/c), Andhra University

**Prof. N. KISHORE BABU**  
Registrar, Andhra University

**Prof. M.V.R. RAJU**  
Principal, AUCST, Andhra University

## CONVENERS

**Prof. K. SATYANARAYANA REDDY**  
Head of the Department of Geology,  
Andhra University

&

**Prof. E.N.DHANAMJAYA RAO,**  
Chairman, PG Board of Studies  
Department of Geology, Andhra University

Organizing Secretary

**Prof. A. YUGANDHARA RAO**

## KEYNOTE SPEAKER

**Shri. V.L. Kantha Rao IAS**  
Secretary, Ministry of Mines  
Government of India

## INVITED SPEAKERS

Dr. Balamuralikrishnan, Director, DMRL  
Dr. Deependra Singh, CMD, IREL (India)  
Prof. Shalivahan, Director, IIPE  
Shri. Dheeraj Pande, Director, AMD  
Dr. Ramanuj Narayan, Director, IMMT-CSIR  
Prof. N.V.Chalapathi Rao, Director, NCESS  
Shri M.B.Verma, Former AMD Director  
Dr. R.B. Rao, Former Chief Scientist, IMMT-CSIR  
Dr. C. Hanumantha Rao, Chairman, MEAI

## ORGANIZING COMMITTEE

Prof. A. Santharam, AU  
Prof. G. N. Rao, AU  
Prof. A.V.S.S. Anand, AU  
Dr. J. Venkata Ramana, AU  
Dr. M.Srinivasa Rao, AU  
Dr. G.Raja Rao, AU  
Dr. K. Arjunudu, AU  
Dr. T. Karuna Karudu, AU  
Research Scholars, Students & Staff



ANDHRA UNIVERSITY

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Accredited by NAAC with 'A' Grade ISO 9001: 2015 Certified

**CTBM-2024**



## Registration Fee

Individual : Rs. 3,000/-  
Research Scholars : Rs. 1,500/-  
Students : Rs. 500/-  
Beneficiary Name : Department of Geology  
Bank A/c No.: 10428605429, IFSC Code: SBIN0000772  
AU South Campus Branch, Visakhapatnam

## ADDRESS FOR COMMUNICATION

**Prof. K.Satyanarayana Reddy**

**Prof. A.Yugandhara Rao**

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**CURRENT TRENDS IN MINING,  
PROCESSING AND BENEFICIATION OF  
BEACH SANDS INDUSTRY, IT'S  
VALUE ADDITION- MINING LAWS & ACT**

**NATIONAL SEMINAR**

**ON**

**CURRENT TRENDS IN MINING,  
PROCESSING AND  
BENEFICIATION OF BEACH SANDS  
INDUSTRY, IT'S VALUE ADDITION-  
MINING LAWS & ACTS**

**CTBM-2024**

**27<sup>th</sup> & 28<sup>th</sup> SEPTEMBER, 2024**



**Organized by**

**DEPARTMENT OF GEOLOGY  
ANDHRA UNIVERSITY  
VISAKHAPATNAM -530003  
ANDHRA PRADESH, INDIA**

**Sponsored by**

**MINISTRY OF MINES  
GOVT. OF INDIA**

**Venue**

**Chemistry Department Seminar Hall  
Andhra University Campus**

## ANDHRA UNIVERSITY

Andhra University was established in 1926 by the Madras University Act to serve the entire linguistic region of Andhra as a residential teaching-cum-affiliating multi-disciplinary university. The institution had Sir C.R. Reddy as its founder Vice-Chancellor ably succeeded by Dr. Sarvepalli Radhakrishnan. A sprawling campus of 425 acres dotted with 205 buildings, vast open space, a brilliant ecosystem with its rich biodiversity and magnificent Kailasa Hill as the backdrop with mystic blue of the Bay of Bengal in its front constitute a unique environment in the city of Visakhapatnam. Andhra University has delivered high quality education to contribute to the National education mission and in many ways, it has been a part in the framework to strengthen the country as a Nation and successful alumni, research outcome of this university were the social model for unity of the society and a factor for growth and development of India. The university has the distinction of having five Shanti Swarup Bhatnagar Awardees, two Padma Vibhushan Awardees, one Padma Bhushan Awardee, five Padma Shri Awardees with the recent addition of two in 2023, amongst its alumni.

Nobel laureate Sir C.V. Raman was closely associated with laying research foundations in Physics, Prof. C.R.Rao, world renowned statistician, Dr. Neeli Bendapudi, President of Penn State University, Shri M. Venkaih Naidu, former Vice President of India, Dr G.M.Rao, Chairman GMR group, Justice Jasti Chalmeswar, former Judge, Hon. Supreme Court of India, Dr Prabha Atreya Director, FDA, USA, and Suggu P Rao, Vice Chaiman, Bank of America, were among the proud alumnus of AU. The University has distinguished itself by starting many programs which are innovative and first of their kind in higher education system of India.

Currently, 58 departments, 16 specialized research centers, 188 ICT enabled classrooms, state -of-the-art of computer and GIS laboratories, 76 seminar halls on campus will give the students ample learning opportunities as it is critically related to the University's objective and the university is one among

10 universities in the country for support under "Rashtriya Uchhatar Siksha Abhiyan (RUSA). The 98 years of glorious journey, recognizing its quality pursuits, the University has been accredited "A++" grade (score of 3.74/4.0 CGPA) by NAAC and was granted Category-I Higher Educational Institutions status (HEIS) by the UGC of India

## GEOLOGY DEPARTMENT

The Department of Geology, established in 1941, is one of the pioneering geological Departments of the country. Started in a modest way to impart training to students leading to degrees in Geology, it now offers services to the mineral industries. It offers a variety of post-graduate (M.Sc. and M.Sc. Tech) courses and advance courses in pure and applied geology, marine and petroleum geology, and Ph.D. degrees by research, besides research activities in a wide spectrum of potentially interesting geological problems of both basic and applied nature. Monazite was first reported by the department along Visakhapatnam Coast by Prof. C. Mahadevan and Prof. Sriramdas.

## BEACH SAND INDUSTRY

India with a coastline of over 7,615km is endowed with considerable resources of placer mineral sands comprising titanium, zirconium and rare-earth minerals apart from industrial minerals like garnet and sillimanite. The basic theme of the National Seminar is to bring to focus the status of mineral sands industry both on the East and West coasts of India, various industrial applications and present-day challenges facing the industry, including value-addition of critical metals like titanium, rare earths, and zirconium & hafnium. The policy of the Government towards exploitation and Value addition is one of the prime issues of the industry apart from apprehensions and environmental issues about the mineral sands mining especially on radioactive monazite concentration among public. The seminar is open for all the stake holders of the beach sand industry both private as well as public entrepreneurs, faculty, National laboratories working on titanium value added products.

## CALL FOR ABSTRACTS

The abstract of the research paper should be submitted by email to [ctbmau2024@gmail.com](mailto:ctbmau2024@gmail.com) on or before 01-09-2024. The acceptance of the abstract of the research paper will be communicated to the participants on or before 10-09-2024 by e-mail.

## FORMAT FOR ABSTRACT

Title (Times New Roman, 14pt, bold, centre text)

Authors (Times New Roman, 12pt, centre text)

Affiliations (Times New Roman, 12pt centre text)

Text (Times New Roman, 12pt, justified, 150-200 words)

Note: Abstract within one page of A4 Size wide 1" margins on all sides.

## PROGRAMME SCHEDULE

27-09-2024 9.30 - 11.00	Morning	Inauguration followed by Keynote Address & Invited Talks
27-09-2024 11.15-13.30	Session -I	Exploration and Mining of Beach Sand Minerals
27-09-2024 14.00 - 19.00	Session -II	Beneficiation and Value addition of Beach Sand Minerals
28-09-2024 09.30 -13.30	Session -III	Environmental issues & Mining Acts & Laws followed by Panel Discussion
28-09-2024 15.00 - 19.00	Field Visit	Field trip to near by Beach sands mineral deposit area and Geo - tourism sites like red sands, natural bridge and Estuary along Visakhapatnam - Bheemunipatnam coastal tract

## ACCOMMODATION

Few accommodations are available in the university campus and preference will be given to students, research scholars, and retired officials.