

National seminar on Advances in Geophysics for a Sustainable Future: Energy, Environment and Natural Resources (AGSEEN)

For Platinum Jubilee Celebrations
17th – 19th February 2025

Organized by
Department of Geophysics, College of Science and Technology
Andhra University, Visakhapatnam 530003, Andhra Pradesh, India

Foreword

The National Seminar on 'Advances in Geophysics for a Sustainable Future: Energy, Environment, and Natural Resources (AGSEEN)' aims to highlight the latest advancements in this dynamic field, offering a distinguished platform for experts, researchers, scientists, consultants, entrepreneurs, and students to share their knowledge, research outcome and insights. Recognizing geophysics as essential to understanding the Earth's structure, natural processes, and resources, this seminar will facilitate the exchange of innovative research, cutting-edge technologies, and novel methodologies.

Participants will engage in a wide range of discussions spanning key topics in the field, fostering collaboration between academia, industry, and government agencies. The seminar will place particular emphasis on the importance of interdisciplinary approaches to address global challenges such as natural disasters, climate change, and sustainable resource management. Attendees can look forward to keynote presentations by distinguished scholars, as well as interactive sessions designed to encourage dialogue, idea exchange, and professional networking.

In addition to disseminating current knowledge, the seminar aspires to inspire future research directions, making it a transformative experience for all participants. By connecting theoretical advancements with practical applications, it seeks to shape the future trajectory of geophysical research and its contributions to society. A public exhibition will also be organized, inviting students, the general public, and entrepreneurs to explore the department's work. The exhibition will feature various stalls aligned with the seminar's theme, offering entrepreneurs an excellent opportunity to showcase their products and technologies, potentially paving the way for future business ventures. Furthermore, the event will promote career opportunities in geophysics, providing valuable guidance for students considering it as a career path.

We eagerly anticipate your participation in this seminar, which promises to be an engaging and impactful experience.

Web page: www.andhrauniversity.edu.in

Abstract submission

We invite Academicians, Scientists, Research scholars, Entrepreneurs and Students to submit their abstracts. The sub themes given below are indicative but not exhaustive. Research papers covering any other topic related to the main theme of the Seminar are also welcome. Submit your abstract to Email: agseen2025@gmail.com

Themes

Energy resources

- Developments in Hydrocarbon Exploration
- Tapping Geothermal Energy
- Prospects for Gas Hydrates
- Coal Exploration
- Ocean Energy systems

Environmental Geophysics

- Combating Climate Change
- Natural Hazards
- Engineering Geophysics

Natural Resources

- Mineral Resources
- Water Resources

Geospatial Technologies in Earth Sciences

- Environment of the Earth
- Geospatial tools for mineral and water resources
- Future Trends and innovations

Registration Fee

All delegates must register in advance. Online registration is encouraged. However, one can fill in the enclosed Registration form and send it by mail to the head Department of Geophysics, Andhra University, Visakhapatnam 530003 along with delegate registration fee as detailed below:

Corporate Delegates: Rs. 5000

Academicians/Scientists: Rs. 3000

Research Scholars: Rs. 2000

Spouse / Accompanying Person: Rs. 1500

Students: Rs. 1000

Partakers

Scientists, Academicians, Administrators, Researchers, and Students from various institutions in Geosciences and alumni of Department of Geophysics, Andhra University.

Travel, Boarding and Lodging arrangements

All the participants will be provided lunch and snacks with tea/coffee during the session breaks. The travel, boarding & lodging at the local hotels will have to be borne by the participants. However, the hotel rooms will be reserved by us on prior intimation.

Fee Online transfer

Account Name – **AGSEEN**
Name of the Bank – **SBI**
Bank Branch – **Andhra University**
Account Number - **43598088951**
IFSC Code – **SBIN0000772**
UPI ID – **43598088951@sbi**



Financial Support

All Participants are required to meet their TA/DA from their own resources. Limited funds are available particularly for Students, Research scholars and Retired Scientists.

Chief Patron

Prof. G. Sasibhusana Rao
Honorable Vice Chancellor (I/C)

Patrons

Rector : Prof. N. Kishore Babu

Principal : Prof. M.V.R. Raju

Registrar : Prof. E. N. Dhanamjaya Rao

Academic Dean: Prof. K. Eswara Kumar

Convener

Prof. C. V. Naidu, Head (I/C), Department of Geophysics
College of Science and Technology, Andhra University

Mob : 9348663636

Email: head.geophysics@andhrauniversity.edu.in

Important Dates

Abstract submission date – January 5th, 2025

Abstract submission Last date – January 26th, 2025

Abstract Acceptance – January 30th, 2025

Chief Advisors

Prof. P. Rajendra Prasad, President, AHI
Prof. M. Jagannadha Rao, Emeritus Professor, Department of Geophysics. Andhra University

National Advisory committee

Our National advisory committee consists of alumni who have established themselves in key roles across a wide range of research and industry sectors, showcasing their expertise and influence in their respective fields. Apart from our alumni all the prominent figures who have made substantial contributions to the advancement of Earth sciences in India have been included in this committee. These distinguished individuals are not only leaders in their domains but also play a vital role in guiding us for this National seminar for our 75 year platinum jubilee celebrations. Their continuous involvement enriches our initiatives, ensuring we remain at the forefront of developments in science and technology. With each one of them we will be in touch to take their guidance and advice to make our endeavour a big success.

Department Advisory Committee

Prof. V. V. J. Sarma
Prof. I. V. Radhakrishna Murthy
Prof. G. Narasimha Swamy
Prof. C. Visweswara Rao
Prof. C. Subba Rao
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Dr. M. Satya kumar, IMD
Sri. A. Markandeyulu, AMD
Dr. P. V. Nagamani, NRSC, Hyderabad
Dr. Y. Somu Naidu, NABARD, India

Local Organizing Committee

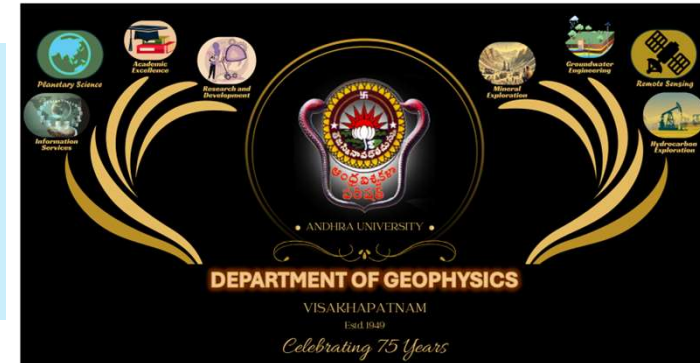
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Prof. K. Satyanarayana Reddy	Dr. Haseeb Rehman
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Co Conveners

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Dr. Y. Israel	Prof. P. Trinadha Rao
Sri. K. Prahlad	Prof. G. Srinivasa Rao
Dr. B. Anandagajapathi Raju	

About Visakhapatnam city

Visakhapatnam, fondly known as “**The Jewel of the East Coast**”, is a picturesque coastal city in Andhra Pradesh, strategically located on the eastern shores of India. Bordered by the serene waters of the **Bay of Bengal** and the majestic hills with lush green vegetation of **Eastern Ghats**, it proudly serves as the administrative headquarters of the **Eastern Naval Command** of the Indian Navy and it is proudly called as city of Destination, marked by various industries and it is a note Education, Health Hub of Andhra Pradesh, spanning an area of **550 km²**, Visakhapatnam is not only the fastest-growing city in Andhra Pradesh but also a dynamic hub of industrial growth and cultural vibrancy. Now it is being projected by the Government as the future hub of Software and AI. The city boasts a rich blend of heritage and modernity, offering a wide range of tourism attractions—from sun-kissed beaches and lush green hills to historical landmarks and serene valleys. Its excellent connectivity via **air, rail, and road** to major cities across the country ensures convenient travel for visitors. Participants attending the event will have the opportunity to explore Visakhapatnam’s captivating tourist destinations, making their stay both pleasant and unforgettable.



About Department of Geophysics

With the visionary recommendation of **Prof. Suri Bhagavantam**, the Department of Geophysics was established in **1949** to provide specialized training in two branches: **Meteorology & Oceanography** and the **Physics of the Earth**. Subsequently, on **December 8, 1949**, the department became an independent entity, marking a significant milestone in the university's academic evolution. Initially offering a course titled "Physics of the Earth," the department later expanded its programs to include **M.Sc. (Tech.)** and **M.Sc. degrees**, encompassing both foundational and cutting-edge fields of Geophysics to meet the ever-growing demands of the industry. The Department has the distinction of one of the earliest Departments of the Nation and the alumni of this department are serving/served in all most all the Public and private sector organizations dealing with Geophysics.

The department's comprehensive curriculum, combined with a strong emphasis on industry collaboration, ensures that students are well-prepared for dynamic professional environments. A distinguished faculty, supported by state-of-the-art academic infrastructure, equips students with robust theoretical knowledge and practical skills, fostering industry readiness and innovation.

Graduates of the Department of Geophysics at Andhra University have achieved prestigious positions in leading scientific institutions and organizations across India and around the world. They contribute significantly to advancements in geophysics, driven by the rigorous training and academic excellence imparted by the department. The enduring relationship between the department and its accomplished alumni remains a cornerstone of its success, with their on-going support playing an invaluable role in its continued growth and impact.