



## International Conference

on

# “MEMBRANE PROCESSES FOR A GREEN ENVIRONMENT: CURRENT STATUS, CHALLENGES AND FUTURE PROSPECTS”

16-18 October 2024

Ananthapuramu, Andhra Pradesh, India.



### :: Joint Organizers ::

**Indian Membrane Society, Baroda, India**

[www.indianmembranesociety.org](http://www.indianmembranesociety.org)

and

**Department of Chemical Engineering  
JNTUA College of Engineering Ananthapuramu, India**

[www.jntuacea.ac.in](http://www.jntuacea.ac.in)

### Important Dates

Last date for Submission of Paper	21 <sup>st</sup> September 2024
Communication of Acceptance of Paper	28 <sup>th</sup> September 2024
Last date for payment of Registration / Accommodation	04 <sup>th</sup> October 2024

### About the City:

Ananthapuramu located in south – western part of Andhra Pradesh state is well connected to cities like Hyderabad, Bangalore and Chennai by National Highways and also by train routes (Delhi-Bangalore, Mumbai-Bangalore-Trivandrum, Kolkata-Bhubaneswar-Bangalore). The nearest international airport is at Bengaluru which is 190 km away from the city. It is very near to places of tourist interest like Lepakshi, Hampi, Belum caves, world's largest Banyan tree Thimmamma Marrimanu and Puttaparthi.

### About the University:

In the year 2008, by an Act of AP State Legislature, Jawaharlal Nehru Technological University Anantapur (JNTUA) was established at Ananthapuramu. JNTUA College of Engineering, Anantapur established in 1946 is a constituent college of JNTUA. Other Constituent Units are JNTUA College of Engineering, Pulivendula, Oil Technological & Pharmaceutical Research Institute (OTPRI) Anantapur, and JNTUA College of Engineering Kalikiri. In addition to the above four constituent colleges several self financed colleges offering Engineering, Pharmacy and MBA/MCA are affiliated to the University. JNTUA is committed to develop and nurture technological education and intends to produce technical manpower of high quality, comparable to the best in the world. The University is accredited with “A” Grade by National Assessment Accreditation Council, an autonomous institute of University Grants Commission (UGC), New Delhi. JNTUA is placed in the band of 151-200 in University Category in National Institutional Ranking Framework (NIRF) adopted by the Ministry of Education, Government of India. Also the University is ranked in the rank band 51-100 for State Public Universities.

### About the College:

JNTUA College of Engineering, Anantapur, is one of the oldest premier colleges in South India, with illustrious alumni. The college has celebrated its Platinum Jubilee in the year 2021 and has an excellent atmosphere for advancement of one's knowledge. In the year 2008 the college has become a constituent college of the newly formed JNTUA, Anantapur. Presently the college is offering Under Graduate and Post Graduate programs in the disciplines of Civil Engineering, Electrical & Electronics Engineering, Mechanical Engineering, Electronics and Communication Engineering, Computer Science and Engineering and Chemical Engineering. All under graduate engineering programs of the college are accredited by National Board of Accreditation (NBA), New Delhi.

### About the Department of Chemical Engineering:

Department of Chemical Engineering was started in the year 1989. Presently the department is conducting a four year Under Graduate B.Tech. program with in take of 60 students, and a Post Graduate program in Nanotechnology with an in take of 25 students. Further, the department is having research facilities for Ph.D in Chemical Engineering. The students are provided good computing and internet facilities. The department has well equipped laboratories, including pilot-plant facilities. Department has sophisticated instruments like X-Ray Diffraction Unit, UV-VIS Spectrophotometer, HPLC GC etc. The department has received funding from agencies such as BRNS, AICTE, DST and UGC for research. The B. Tech. program of the Department was accredited by NBA for the first time in 2005 and has been under accreditation continuously since 2013.

### About Indian Membrane Society, Baroda, India:

Indian Membrane Society (IMS) is a registered society of scientists, academicians, technologists, consultants and engineers from India and abroad engaged in the field of membranes. It was formed by 'membranologists' in 1986 with a view to providing a forum for stimulating research and disseminating information on science, technology and application of membranes and membrane separation processes. It offers individuals and organisations best means of the rapid growth of membrane technology and exchanging ideas and results with fellow membranologists having widely different background and interest.

### Conference Theme:

The theme of this International Conference Membrane Processes for a Green Environment: Current Status, Challenges and Future Prospects 2024 is to provide information about materials used in membrane technology and its application in the fields of Food, Biotechnology, Pharmaceutical, Petrochemicals and Environmental Engineering. The conference will be useful to explore the opportunities and future challenges in separation processes and find solution for better Environment Management. It would be an eminent opportunity for young researchers to update their knowledge in latest technologies of membrane processes.

### About the Conference:

Every year Indian Membrane Society organizes this conference to commemorate the Birth Anniversary of Prof. S. Sourirajan, Pioneer in Phase Inversion Membranes. Last year MS University, Baroda has conducted this conference and this year IMS has consented to conduct the event at JNTUA, Anantapur. Indian Membrane Society, Baroda in collaboration with Jawaharlal Nehru Technological University Anantapur is organizing this **Three Day International Conference during October 16-18, 2024** with focal theme “**Membrane Processes for a Green Environment: Current Status, Challenges and Future Prospects**”, at JNTUA College of Engineering Anantapur, Ananthapuramu, Andhra Pradesh, India.

### About Late Prof. Srinivasa Sourirajan:

A three time nominee along with Prof. Sidney Loeb for the Nobel Prize in Chemistry, Prof. Srinivasa Sourirajan began his scientific journey of membrane-based desalination in the year 1956 when he joined the University of California, Los Angeles, USA. It was here that Sidney Loeb joined him in 1958 and together filed the first patent application for the Loeb-Sourirajan anisotropic, cellulose acetate membrane in the year 1960. Subsequent to his passing away in 2022, a number of his collaborators, friends & students have paid rich tributes to his contributions to advancing scientific challenges. The Indian Membrane Society is truly honoured to have him as a Patron. His visit to Vadodra during 1982 to establish the Society with its headquarters at Vadodara, Gujarat, India is fondly remembered. As a global citizen with roots in Sirkazhi in Mayiladuthurai, near Chidambaram in the Thanjavur District, Tamil Nadu, India, Prof. Srinivasa Sourirajan is indeed an inspiration to generations of Indians who dream of doing science and understanding the many shades in which nature manifests itself and how such understanding can help in achieving the sustainable development goals of water, energy & food.

### Topics:

- ◆ Theme Challenges and opportunities in Separation Technologies.
- ◆ Membrane for fuel cell and Energy Application.
- ◆ Aspects of Novel Materials for Membrane Technology.
- ◆ Emerging Technologies for Water and Wastewater Treatment.
- ◆ Environmental Engineering for Sustainable development.
- ◆ Biological inventions and Technologies for green environment.
- ◆ Clean and Green Technologies for Air and water pollution.
- ◆ Bio-Membranes, Nanomaterials, Nano composites and Nano-technology.
- ◆ Desalination.
- ◆ Membrane Distillation and Pervaporation.
- ◆ Membrane modification and Characterization for green environment.
- ◆ Molecular Dynamics, Modelling and Simulation.

### Chairman

**Prof. H. Sudarsana Rao,**  
Vice-Chancellor i/c, JNTUA Ananthapuramu

### Patron

**Prof. S. Krishnaiah**  
Registrar, JNTUA Ananthapuramu

### Co-Patron

**Prof. P. Chenna Reddy**  
Principal, JNTUA College of  
Engineering Ananthapuramu.

### Convener

**Prof. S.V. Satyanarayana**  
Director, Academic & Planning,  
JNTUA Ananthapuramu

### Co-Convener

**Prof. B. Dilip Kumar**  
HOD of Chemical Engineering,  
JNTUA CEA, Ananthapuramu

### Local Organizing Committee @ JNTUA CE Ananthapuramu

Prof. T. Balanarsaiah	Dr. S. Sharada
Mr. M. Kalyan Kumar	Mrs. A. Meenakshi
Mr. K. Subba Rao	Dr. M. Murali Naik
Dr. P. Uma Maheshwari	Dr. A. Rajasekhar Babu
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### National Advisory Committee

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**Shri Satyajit Mayor, Permionics Membranes Pvt.Ltd, Vadodara, Gujarat**  
**Dr. N. K. Acharya, Member, IMS**  
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**Prof.V.V. Basava Rao, Osmania University, Hyderabad**  
**Prof. Z.V.P. Murthy, NIT Surat**  
**Prof. Sulekha Mukhopadhyay, BARC Mumbai.**  
**Prof. K. Chowdoji Rao, SKU Ananthapuramu**

### Invited Speakers

**Prof. Wojciech Kujawski**  
Membrane & Membrane Techniques Research Group  
Nicolaus Copernicus University, Torun, Poland.

**Prof. Wirach Taweepreda**  
Assistant Dean for Academic Services Faculty of Science  
Prince of Songkla University, Hat-yai Songkhla, Thailand.

**Dr. Ravindra Revanur, Chem Finity Technologies,**  
Brooklyn, New York, USA.

**Prof. Sirshendu De, IIT Kharagpur**

**Prof.G. Arthanareeswaran, NIT Tiruchirappalli**

**Prof. KSMS Raghavarao, IIT Tirupati**

**Mr.Swachchha Majumdar**  
Chief Scientist CSIR- CGCRI Kolkata

**Prof. K. Mohanty, IIT Guwahati.**

**Dr. S. Sridhar**  
Chief Scientist, Membrane Lab, CSIR-IICT Hyderabad

**Prof. S. Chattopadhyaya, IIT Roorkee**

**Prof. Shailendra Bajpai,**  
Dr. B.R.Ambedkar, National Institute of Technology Jalandhar

**Prof. Dr. Sushant Upadhyaya, MNIT Jaipur**

**Prof. Usha K Aravind**  
Cochin University of Science and Technology Kochi

**Inauguration:** 16 October 2024 @ 09:30AM

**Valedictory:** 18 October 2024 @ 04:00 PM

### Accommodation:

Arrangements will be made on payment basis to accommodate the participants in the university guest house/students hostel, in addition to leading hotels in the city, on first cum first serve basis. The tariff ranges from Rs. 150 to Rs. 2500/-per day per participant.

### Call for Papers:

Scientific papers are invited International Conference on Membrane processes for a Green Environment: Current Status, Challenges and Future Prospects. Papers based on original work and not published elsewhere should be submitted. Length of the contributed papers including tables, figures and references should be limited to **FOUR PAGES**. Paper in general should include Title, Authors, Corresponding Author, Abstract, Keywords, Body of the Paper, Conclusion, Acknowledgements and References.

The abstract of the paper should be limited to 200 words. The text should be typed with single spacing on A4 size paper with font size of 11 in Times New Roman giving one inch margin on all sides. Title of the paper should be followed by author (s) name and complete postal address with email. References should be listed alphabetically along with the title of paper. Manuscript is to be prepared in MS Word. Graphs / figures using Excel can be embedded in the word file.

The paper should be communicated through email to the Convener, by **September 21<sup>st</sup>, 2024**. The papers will be peer reviewed and accepted papers will be published in the conference proceedings. Presentation can be made either online or offline.

### Registration Fee

#### Indian Delegates

Category	for IMS Members	Others
P.G. / Ph.D. Students	Rs. 1000	Rs. 1500
Faculty	Rs. 2000	Rs. 2500
Industry	Rs. 3000	Rs. 3500
Accompanying Persons	Rs. 1000	

#### International Delegates

Category	Europe & North America	Others
Individuals	\$ 400	\$ 250
Students	\$ 200	\$ 125
Accompanying Persons	\$ 100	

**SOUVENIR:** We plan to bring out a souvenir on this occasion and request for support in the form of sponsorship/advertisements.

Platinum sponsor	Rs. 5,00,000	5 complimentary registrations, slot for invited talk and back cover page advertisement
Gold sponsor	Rs. 3,00,000	3 complimentary registrations, slot for invited talk and 1 inside cover page color advertisement
Silver sponsor	Rs. 2,00,000	2 complimentary registrations and 1 page advertisement in the souvenir & slot for invited talk
Bronze sponsor	Rs. 1,00,000	1 complimentary registration and 1 page advertisement in the souvenir & slot for invited talk
Advertisement Tariffs	Rs. 20,000 Rs. 12,500 Rs. 7,500	Full page Half page Quarter Page

**Exhibition:** An exhibition of the latest in membrane technologies and related areas is also being planned where a table space of 10' X 10' will be provided for companies/individuals who wish to exhibit their products. The charges for this would be Rs. 10,000/-.

**Mode of Payment:** Registration fee can be paid through online to the following account details:

**Account Name:** Chemical Engineering Association

**Savings Bank Account No:** 10428783377

**Bank:** State Bank of India

**Branch:** SBI, JNTUEC, Anantapur, Andhra Pradesh, India.

**IFS Code:** SBIN0002723.

### Corresponding Address

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