



LEIC – 2025 IN FRAMES



THE LAKEVIEW ENVIROTHON INTERNATIONAL CONCLAVE 2025

JULY 10, 11 & 12



OUR ASSOCIATES OF LEIC-25



**Bharat
Petroleum**



Kerala State
Biodiversity Board



Charitable Trust



LAKEVIEW ENVIROTHON INTERNATIONAL CONCLAVE -2025

JULY 10, 11 & 12

SUMMARY OF EVENTS - REPORT AND PHOTOS

A CATCH-22 OF THE ANTHROPOCENE: CLIMATE CHANGE AND THE QUEST FOR SURVIVAL

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THE LAKEVIEW ENVIROTHON INTERNATIONAL CONCLAVE 2025
JULY 10, 11 & 12

Voices of the Conclave

Major Themes of the Conclave

- > Environmental Science & Sustainability
- > Ecology, Biodiversity & Aquatic Systems
- > Environmental Economics & Marketing
- > Media, Communication & Cultural Studies
- > Scientific & Computational Approaches
- > Sociological, Psychological Perspectives

...and more interdisciplinary explorations of our environment.

All presented papers of merit will be published in The Journal of Marine Biology Association of India / Scopus indexed journal / High Impact Factor Journal. The full schedule containing details of the sessions will be released shortly.

Registration Fee

Indian, International Students	Rs. 1000	USD 75
Research scholars	Rs. 1500	USD 150
Delegates	RS.2500	USD 200
Industry	RS.3500	USD 250

Last date for Registration & Abstracts
July 01, 2025

Scan QR
lakeviewconclave@shcollege.ac.in
89210 60477, 96050 47545
Sacred Heart College (Autonomous),
Pandit Kruppan Road, Thevara, Kochi,
682013, Kerala, India

Speakers:

- Prof. Ram Mohan (Wendell Bell Loretto Hess Professor of Chemistry, Department Chair, Illinois Wesleyan University)
- Dr. B Nagarajan (Scientist, IITG, Coimbatore)
- Dr. Mariyamma Philip (Additional Professor, Dept of Mathematics, National Institute of Mental Health & Neurosciences (NIMHANS))
- Dr. Horthing Zimik Vashai (Scientist of NIO, Goa)
- Dr. Grinson George (Director, CMERI)
- Dr. Saji Baby (Professor and Program Director, Department of Sustainability Studies, MIT World Peace University, Pune)
- Dr. Mahesh Mohan (Associate Prof., School of Environmental Studies, MGU, Kothayam)
- Dr. E V Ramaswamy (Professor of Eminence, School of Environmental Sciences, MGU, Kothayam)
- Fr. Dr. George Pittappilly CMI (Director, Renewable Energy Centre, Mithradham)

Cordinators:
Dr. James T J
Dr. Joseph Varghese CMI
Dr. Midhu Dominic
Dr. Thomasukutty Jose

Organizing Committee:
Dr. Ann Rose Abraham
Dr. Ammu Rosin Jose
Ms. Shanthi Mathai
Mr. Sujith Narayanan

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THE LAKEVIEW ENVIROTHON INTERNATIONAL CONCLAVE – 2025

REPORT

The Lakeview Envirothon International Conclave – 2025, organized by Sacred Heart College (Autonomous), Thevara, with the support of BPCL Kochi, Kerala Biodiversity Board, Organic Kerala Charitable Trust, the Department of Environmental Studies, and IQAC, was successfully held from July 10 to 12, 2025. This second edition of the conclave solidified its status as a distinguished international platform for environmental scholarship, advocacy, and collaboration. Centered on the thought-provoking theme, "A Catch-22 of the Anthropocene: Climate Change and the Quest for Survival," the event brought together experts, researchers, students, and practitioners from across the globe to engage in critical discussions concerning climate resilience, ecological research, and sustainable innovations.

Acknowledgements and Support

Sacred Heart College expresses its sincere gratitude to Bharat Petroleum Corporation Ltd. (BPCL) and the Kerala State Biodiversity Board for their valued support and encouragement, which were instrumental in the successful execution of this three-day conclave.

Conclave Overview and Objectives

The Lakeview Envirothon International Conclave – 2025 aimed to:

- Facilitate robust academic discourse on climate change, ecological research, and sustainable development.
- Provide a platform for knowledge exchange among international experts, researchers, and students.
- Showcase innovative solutions and practices in environmental management.
- Promote public awareness and engagement on critical environmental issues.
- Create a platform for the ordinary people who produce organic food products as well as sustainable products such as bamboo kitchenware and furniture etc.

Conclave Highlights: Day 1 (July 10)

The inaugural ceremony was conducted at Melesius Hall, Central Campus, Sacred Heart College, commencing at 9:30 AM. The proceedings were formally opened by Dr. Biju Kumar, Vice Chancellor, Kerala University of Fisheries and Ocean Studies, Panangadu, Ernakulam and Head, Department of Aquatic Biology and Fisheries, University of Kerala.

Following the inauguration, Prof. Ram Mohan, a Fulbright Specialist and Wendell and Loretta Hess Professor of Chemistry, Department Chair, Illinois Wesleyan University, delivered the

keynote address at 10:30 AM. He laid the thematic foundation for the conclave with profound insights into "Tackling Climate Change and Green Chemistry."

The first day witnessed three significant plenary sessions and two invited talks. Additionally, 36 parallel paper presentations were conducted across the Language Lab (English Department) and Hadrian Hall, all situated within the Main Campus, from 2:00 PM to 4:30 PM. Dr. Mahesh Mohan chaired the sessions in Hadrian Hall, while Dr. Horthing Zimik Vashai chaired the sessions in the Language Lab. Furthermore, 9 poster presentations were showcased at Marian Hall, also on the Main Campus, demonstrating a wide array of ongoing research.

Distinguished plenary speakers included:

- Dr. Mahesh Mohan (Associate Professor and HOD, School of Environmental Studies, Mahatma Gandhi University, Kottayam): "Fate and Transport of Mercury and PFAS in the Arctic Environment – Role of Climate Change."
- Dr. Mariyamma Philip (Additional Professor, Department of Biostatistics, National Institute of Mental Health & Neurosciences (NIMHANS), Bangalore): "Sustainable Practices in Academic Programs: A Case Study."
- Dr. Saji Baby (Professor and Program Director, Centre for Sustainability Studies, MIT World Peace University, Pune): "Coastline Evolution, Sensitivity, and Carrying Capacity Studies."
- Dr. Praveen S. S. (Assistant Professor, Department of Physics, St. Thomas College, Kozhencerry): Short Invited Lecture on "Predicting the Unpredictable: The Role of Numerical Modelling in Disaster Risk Reduction."
- S. Ganapathy Venkatasubramanian (Professor of Environmental Management and Law, Anna University, Chennai, and Expert Member, State Level Environment Expert Appraisal Authority, Tamil Nadu, MoEFCC): Short Invited Lecture on "Role of Indian Higher Judiciary for the Sustenance of Sustainable Development in India and the Effectiveness of Environmental Legislations – A Critical Analysis."

Each speaker addressed critical issues under the umbrella of the central theme. The day concluded with a captivating visual theatre performance ("Yoga") that artistically explored the paradoxes of climate degradation and environmental resilience. Complementing the academic sessions, an exhibition showcasing sustainable, organic, and nature-based products under the guidance of Organic Kerala Charitable Trust was on display throughout the conclave.

Day 2: July 11, 2025 (Friday)

The momentum continued with four impactful plenary sessions led by globally recognized researchers. The forenoon sessions were held at the Central Campus, while the afternoon sessions were conducted at the East Campus.

- Dr. Horthing Zimik Vashai (Scientist, National Institute of Oceanography, Goa): "Understanding Seawater Intrusion: A Growing Challenge for India's Coastal Aquifers."
- Dr. B. Nagarajan (Scientist, Institute of Forest Genetics & Tree Breeding, Coimbatore): "Mangrove Reproductive Biology – The Kangaroos of Plantae!"

- Dr. Paulo Henrique Camani (Department of Materials Science and Engineering, Tuskegee University, USA): "Advanced Materials Applied to Remove Potentially Toxic Elements (PTEs) in Contaminated Water."
- Dr. Ben Joseph (Capgemini Engineering, Hamburg, Germany): "Biogenic Activated Carbons from Conservation Grassland Biomass for Organic Micropollutants Removal."

These sessions addressed critical environmental topics such as seawater intrusion, mangrove conservation, toxic element removal, microplastics, and environmental biotechnology. A total of 42 research presentations were delivered across the morning sessions (Language Lab, English Department, and Hadrian Hall on the Main Campus) and afternoon sessions (LRC Hall, Dan Thottakara Hall, and Fr. Aggeaeus Hall on the East Campus).

Session Chairs for Day 2 included:

- Dr. A. P. Dineshbabu (Principal Scientist and Head, Shellfish Division, ICAR-CMFRI, Kochi)
- Dr. V. V. Suresh (Principal Scientist & Head, Mariculture Division, ICAR-CMFRI)

In total, 78 paper presentations were delivered across both days of the conclave.

The day's events were further enriched by a boat cruise, fostering informal scientific exchange, and a conclave dinner, which facilitated valuable inter-institutional networking and collaboration among participants. The sustainable product exhibition remained a highlight, offering tangible examples of nature-conscious entrepreneurship and innovation.

Day 3: July 12, 2025 (Saturday)

On the final day, participants engaged in a field visit to the Mithradham Renewable Energy Centre in Aluva. This immersive experience provided valuable experiential learning in solar and biogas technologies, effectively bridging theoretical knowledge with practical applications in sustainability.

The conclave concluded with the valedictory session, led by Dr. Grinson George, Director of the Central Marine Fisheries Research Institute (CMFRI), Kochi. In his address, Dr. George emphasized the critical need for inclusive, data-driven environmental governance models as essential components of future climate resilience strategies.

Research and Publications

The conclave served as a vibrant hub for diverse research. Presentations explored key topics including biodiversity documentation, climate communication, carbon sequestration,

aquaculture sustainability, green chemistry, environmental policy, and AI-driven ecological modelling.

To further disseminate this valuable knowledge, select research papers have been recommended for publication in prestigious journals such as the Journal of the Marine Biological Association of India, Indian Journal of Environmental Protection, and JSTOR, thereby amplifying the academic impact of this gathering. Across both days, a total of 68 paper presentations were delivered, highlighting the breadth and depth of research showcased.

Public Engagement Initiative: Lakeview Envirothon Marathon – September 21 Sunday.

The Lakeview Envirothon Marathon – "Run for Health, Lakes Our Wealth" – remains a core component of our public engagement strategy. This significant event is now planned for execution in the coming months, with the continued support of our valued stakeholders, including BPCL. The marathon aims to significantly raise public awareness regarding freshwater ecosystem preservation and inspire widespread community participation in crucial lake conservation efforts.

Conclusion and Future Collaboration

The Lakeview Envirothon International Conclave – 2025 stands as a dynamic fusion of academic excellence and profound community commitment, offering crucial insights and practical platforms for environmental problem-solving in the Anthropocene. The unwavering support and commitment from BPCL, alongside other supporting partners like the Kerala State Biodiversity Board, have been pivotal in realizing this successful initiative.

We express our deepest gratitude for your anticipated partnership and reaffirm our joint commitment to advancing sustainability, environmental education, and innovation. We look forward to continued collaboration on future initiatives that contribute to a resilient and sustainable future.

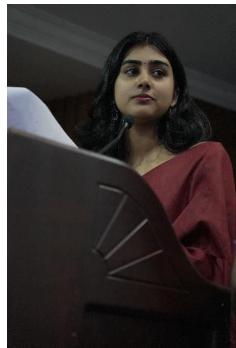
LEIC 2025: IN FRAMES



DAY - 1 (THURSDAY, 10-07-2025)



A Hearty Welcome!



INAUGURATION





Presidential Address:
Prof. C. S. Biju



Inaugural Address:
Dr. Biju Kumar A



Dr. T. J. James





Prizes to the winners of
poster making competition



Special recognition to Ajay K.E



Keynote Address:
Dr. Ram Mohan





Plenary Lecture:
Dr. Mariamma Philip



Short Invited Lecture:
Dr. Praveen S. S



Plenary Lecture:
Dr. Saji Baby



Short Invited Lecture:
Dr. Ganapathy Venkatasubramanian



Plenary Lecture:
Dr. Mahesh Mohan



Yoga: A Visual Representation



Play: Grim Requiem



DAY 2 (11-07-2025)



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Plenary Lecture:
Dr. Horthing Zimik Vashai



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Plenary Lecture:
Dr. B Nagarajan



From the Presentation Halls



Plenary Lecture:
Dr. Paulo Henrique
Camani







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Concomitant Events

Exhibitions by artisans and Organic farmers, Cultural Events, Boating & Sight seeing





DAY 3 (12-07-2025) – Visit to Mithradham & Valedictory Session





Valedictory
Address:
Dr. Grinson George

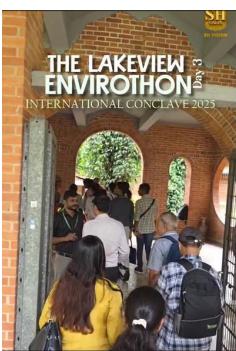


Best Presenters!



Vote of Thanks!





LAKEVIEW ENVIROTHON INTERNATIONAL CONCLAVE -2025

Speakers

Dr. Biju Kumar A., Vice Chancellor, Kerala University of Fisheries and Ocean Studies, Panangadu, Ernakulam and Head, Department of Aquatic Biology Fisheries, University of Kerala

Dr. Ram Mohan, A Fulbright Specialist, Wendell and Loretta Hess Professor of Chemistry, Department Chair, Illinois, Wesleyan University

Dr. Mahesh Mohan, Associate Professor, School of Environmental Sciences, MG University, Kottayam

Dr Horthing Zimik Vashai, Scientist, National Institute of Oceanography (NIO), Goa

Dr. B. Nagarajan, Scientist, Institute of Forest Genetics and Tree Breeding, Coimbatore

Dr S Ganapathy Venkatasubramanian, Professor of Environmental Management and Law, Environmental Studies Department, Anna University, Chennai

Valedictory Address: **Dr. Grinson George**, Director, ICAR-Central Marine Fisheries Research Institute (CMFRI)

Sessions Chair

Dr. Mahesh Mohan, Associate Professor, School of Environmental Sciences, MG University, Kottayam

Dr. V.V.R. Suresh, Principal Scientist & Head, Mariculture Division, ICAR-CMFRI, Kochi

Dr. Dineshbabu A.P., Principal Scientist & Head, Shellfish Division, ICAR-CMFRI, Kochi

Dr. Siby Abraham, Department of Economics, Sacred Heart College Thevara Kochi.

Dr. Aravind Nair, Department of English, Sacred Heart College Thevara Kochi

Dr Midhun Dominic C D, Sacred Heart College Thevara Kochi

Valedictory Address: Dr. Grinson George, Director, Central Marine Fisheries Research Institute (CMFRI)3

ORGANISING COMMITTEE

PATRONS

Dr. Fr. Varghese Kachappilly CMI (Manager)

Prof. Biju C. S (Principal)

COORDINATORS

Dr. T. J. James

Fr. Dr. Joseph Varghese CMI

Dr. Ann Rose Abraham

Dr. Ammu Rosin Jose

Dr. Thomaskutty Jose

Ms. Shanthi Mathai.

Dr. Midhun Dominic

Mr. Sujith Narayanan

Best Wishes from Bharat Petroleum
Corporation Ltd
(BPCL)



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SACRED HEART COLLEGE (AUTONOMOUS)
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"COR RECTUM INQUIRIT SCIENTIAM"
A RIGHTEOUS HEART SEEKS AFTER WISDOM

