



**National Conference on
Climate Crisis and Biodiversity - Mitigation for Sustainable
Development and Livelihood**

22nd & 23rd February - 2024



Organized by

Loyola Institute of Frontier Energy (LIFE)
Loyola College
Chennai - 600 034

Venue

Lawrence Sundaram Hall - Loyola College

Convener

Dr. M. Selvanayagam
Director
LIFE - Loyola College



Co-Convener

Dr. Bharat Bhusan Patnaik
Fakir Mohan University
Balasore - Odisha

Organizing Secretary

Dr. V. Pushpa Rani
Assistant Professor
Centre for Medical and Environmental Sciences
LIFE - Loyola College





About the Organizing Institutes

Loyola College

A catholic minority institution, was founded by the Society of Jesus (Jesuits) in 1925, with the primary objective of providing university education in a Christian atmosphere for deserving students irrespective of caste and creed. UGC conferred the status of “College with Potential for Excellence” on Loyola College in 2004 and confirmed the same in 2010. The aim of the college is to educate young men and women to serve their fellow men and women in justice, truth and love. It fosters an atmosphere of intellectual vigor and moral rectitude in which the youth of our country may find their fulfilment and achieve greatness as eminent men and women of service.

Loyola Institute of Frontier Energy (LIFE)

LIFE is an interdisciplinary and collaborative research institute in Loyola College involved in collaborative, and interdisciplinary research in science with a balance between pure and applied sciences with the ultimate view of translating the fruits of research for improving the quality of life of the society. The thrust areas are: Energy, Environment, Material Science, Bioethics, Awareness Education to Students and the Masses.

Fakir Mohan University

The Fakir Mohan University, Vyasa Vihar, Balasore was established by the Government of Odisha, under Section 32 of the Odisha Universities Act, 1989 (Act 5 of 1989) and it was notified vide the Government's Notification No. 973 dated 3rd July, 1999. The University has also been duly recognized by the UGC under section 2(f) of the UGC Act by the Notification No. F-9-1/ 2000 (CPP-I), dated 11th February, 2000 as well as under section 12(B), vide UGC letter No. F.9-1/ 2000 (CPP-I) dated 23rd December, 2005. The university has also been accredited by the Association of Indian Universities, vide their letter No. Meet: SC: 261:2K/108693, dated 22nd August, 2000 and is also a member of the Association of Commonwealth Universities (ACU), UK. Fakir Mohan University was awarded an ‘A’ grade by the National Assessment and Accreditation Council (NAAC), under the auspices of the University Grant Commission. The National Institutional Ranking Framework has ranked it within the range of 151-200, making it one of the top most public University in the state of Odisha.

Biosciences and Biotechnology Department - FM University

The Department of Biosciences and Biotechnology has started the regular Post-Graduate teaching programs in Biosciences and Biotechnology in the year 2004. Department of Biotechnology (DBT), Govt. of India recognized the Department in 2007 as the centre for DBT-BTIS-net Bioinformatics Centre (BIF) for Structural and Computational Biology work. Department of Science & Technology (DST), Govt. of India sanctioned funds for infrastructural development under “FIST-2008 program”. The department has received funding for research activities through various Govt. agencies (DST, DBT, UGC, INSA, BARC, DRDO, WWF etc.) and through International Scientific Collaborations. Department is enrolling the students for Ph.D. degree work and Post PhD research works under the guidance of the faculties. M.Sc. and M.Phil. Students are admitted from any discipline of Biological, Natural, Medical, Agricultural and Veterinary sciences.

Scope of the Conference

National Conference on Climate Crisis and Biodiversity - Mitigation for Sustainable Development and Livelihood aims to bring together leading academic scientists, researchers and research scholars to exchange and share their experiences and research results on all aspects of climate crisis and its impact. It also provides a premier interdisciplinary platform for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of climate crisis and biodiversity and sustainable livelihood. This will provide a focal forum for you to share your latest research findings, knowledge, opinions, suggestions, and vision, while also providing a variety of interactive platforms, such as panels, keynote forums by prominent researchers in the field of climate change, group discussions, and many exciting experiences. The conference will be held in English and in hybrid mode.



Background

Climate change is one of the most important issues the world is facing today. The 2022 IPCC's Sixth Assessment Reports (AR6) highlight that while steps have been taken, the world must mobilize faster and at greater scale than it has done so far to mitigate the catastrophic consequences of climate change. The IPCC Working Group III Co-Chair, Professor Jim Skea, says that "It's now or never, if we want to limit global warming to 1.5°C". The International Energy Agency (IEA) 2021 Flagship report, "Net Zero by 2050: A Roadmap for the Global Energy Sector", corroborated that viewpoint when it stated that the "gap between rhetoric and action needs to close if we are to have a fighting chance of reaching net zero by 2050 and limiting the rise in global temperatures to 1.5°C."

Areas of Focus

- ❖ Climate Crisis and its Impact on Diverse Ecosystems
- ❖ Climate Crisis and Threatened Endemic Biota
- ❖ Genomic Initiatives for the Conservation of Biodiversity
- ❖ Climate Crisis and Native Animal and Plant Resources Conservation Initiatives
- ❖ Climate Crisis and Zoonotic Diseases
- ❖ Climate Crisis and Protection of Traditional Knowledge Systems
- ❖ Climate Crisis and Its Impact on Agricultural Systems and Food Security
- ❖ Biotechnological Approaches for Mitigating Impacts of Climate Change
- ❖ Technical, Economic, and Social responses to Climate Crisis
- ❖ Climate Crisis and Health
- ❖ Climate Crisis and Livelihood Security
- ❖ Climate Crisis- Geotechnical, ICT and Weather Management Systems
- ❖ Green Initiatives, Products, and Innovative Energy Solutions for Climate Impact Mitigation
- ❖ Climate Crisis Policies, Law, and Economics
- ❖ Climate Crisis and Disaster Management
- ❖ Climate Crisis and Wildlife
- ❖ Ethical Perspectives on Climate Crisis

Abstract Submission

Papers are invited on the areas of focus and others falling within the scope of the conference. Abstracts of not more than 300 words neatly typed with error-free in word file are invited. The soft copy of the abstract with registration details must be sent on or before 15-02-2024 to the Organizing Secretary, Loyola Institute of Frontier Energy (LIFE), Loyola College, Chennai. Acceptance of abstracts for presentation will be communicated through email.

Rev. Dr. L. Jebamalai Irudayaraja, S.J.

*Provincial, Jesuit Chennai Province and Chairman,
Loyola College, Chennai.*

Rev. Dr. Antony Robinson, S.J.

Rector & Chairman (LIFE), Loyola College, Chennai.

Rev. Dr. B. Jeyaraj, S.J.

Secretary & Correspondent, Loyola College, Chennai.

Patrons

Rev. Dr. A. Louis Arockiaraj, S.J.

Principal, Loyola College, Chennai.

Prof. Santosh Kumar Tripathy

*Vice-Chancellor, Fakir Mohan University,
Balasore, Odisha.*

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*Department of Geography, Fakir Mohan,
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Department of Botany, Central University of Punjab.

Prof. Siba Prasad Ahikary, Former Vice Chancellor,
Fakir Mohan University, Odisha.



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President, AUSN, USA.
- Dr. Soraj Hongladarom**
Chulalongkorn University, Thailand.
- Dr. Ghotbi Nader**
RAPU, Japan.

Keynote Speakers

- Dr. Vindhya Prasad Tewari**
Himalayan Forest Research Institute, HP.
- Dr. Mukunda Dev Behera**
Spatial Analysis and Modelling Lab, IIT, Kharagpur.
- Dr. E. R. Sreekumar**
Dept. of Wildlife Science, KAU, Thrissur.
- Prof. Surjendu Kumar Dey**
Department of Environmental Science, Fakir Mohan University, Odisha.
- Prof. Bisnu Prasad Dash**
Adjunct Professor (Zoology), Fakir Mohan University, Odisha.
- Dr. Sanghamitra Pati**
Scientist-G & Director, RMRC, Bhubaneswar.
- Dr. Shambhu Prasad Chakrabarty**
Scientist-E, RMRC, Bhubaneswar.
- Dr. Atul Kumar Saha**
Central Silk Board, Government of India.

- Dr. M. Padmavati**
RGSIPL, IIT, Kharagpur.
- Dr. Ashwani Pareek**
SPMBL, JNU, New Delhi.

Payment Details

Indian Overseas Bank
M/S DIRECTOR LIFE
Account No: 171201000009998
IFSC: IOBA0001712
Branch: Loyola College Campus
Chennai - 600 034

Registration Fee

Students	INR 600
Research Scholars	INR 750
Young Scientist	INR 1000
Academicians/Industrialist	INR 1500

Organizing Committee

- Dr. M. Jaccob** *LIFE Member*
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- Dr. Punam Kumari** *Fakir Mohan University*
- Prof. H. N. Thatoi** *Adjunct Professor, Fakir Mohan University*

Contact Details

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Online Registration

<https://forms.gle/hOmJcqrLz5mqxkqt8>

