



# RESEARCH CONCLAVE ON GLOBAL TRANSFORMATION

April 19-20, 2024





# ABOUT NIT CALICUT

The National Institute of Technology Calicut (NITC) is a prestigious technical institution located in Calicut, Kerala, India. Established in 1961 as the Calicut Regional Engineering College, it was designated as an Institute of National Importance in 2002 and subsequently renamed as the National Institute of Technology Calicut. The institute, situated at the foothills of the Western Ghats, offers a picturesque setting just 22 km away from Kozhikode city. NITC is widely recognized for its academic excellence in engineering, technology, and sciences at undergraduate, postgraduate and research levels.

# ABOUT THE CONCLAVE

In an era defined by unprecedented challenges and opportunities, this Conclave serves as a nexus for the world's foremost minds to converge, collaborate, and ignite transformative change. The Conclave will bring together researchers, scholars, and students from various academic disciplines to exchange ideas, present their research findings, and engage in interdisciplinary discussions. With a focus on sustainability, inclusivity, and resilience, this platform will illuminate the pathways toward a better global future. From cutting-edge scientific breakthroughs to innovative policy frameworks, the Conclave will explore the multifaceted dimensions of transformation and discover actionable insights that can propel us toward a more harmonious world.





# THEMES

**Machine Learning & Artificial Intelligence**

**Circular Economy**

**Climate Resilient Technology & Design**

**Systems & Computing**

**Strategy & Management**

**Theoretical Design, Computation & Modelling**

**Healthcare & Biomedical Applications**

**Gender & Inclusion**

# CONCLAVE HIGHLIGHTS



**EXPERT  
LECTURE  
SERIES**



**POSTER  
PRESENTATION**



**PAPER  
PRESENTATION**



**DOCTORAL  
COLLOQUIUM**



# KEYNOTE SPEAKERS



**Dr. Rajasree M S**  
**Director-in-Charge**  
**Directorate of Technical Education**  
**Government of Kerala**



**Dr. Amruth G Kumar**  
**Professor & Dean**  
**School of Education**  
**Central University of Kerala**



**Mr. Sharath M Nair**  
**TEL-K Operations Manager**  
**Tata Elxsi**





# SPEAKERS



**Dr. Alex James**  
IEEE CASS



**Dr. Rajeev Menon**  
University of Calicut



**Mr. Akhil Raj Pottekkat**  
CEO, Neiox Eco Cycle



**Dr. Panthadeep  
Bhattacharjee**  
NITRKL



**Dr. Jobish  
Vallikavungal**  
Tecnológico de Monterrey



**Dr. Abhilash S**  
CUSAT



**Dr. Premjith B  
Amrita Vishwa  
Vidyapeetham**



**Dr. Ditty Dixon**  
MG University



**Dr. Panneerselvam  
Ranganathan**  
NITC

**EXPERT  
SPEAKERS**





# SPEAKERS



**Dr. Malavika  
Binny**  
Kannur University



**Dr. S. Sunitha**  
NITC



**Dr. Bibin Francis**  
NIT Trichy

## EXPERT SPEAKERS



**Dr. Nimitha  
Aboobaker**  
CUSAT



**Dr. Mervin Joe Thomas**  
NITK



**Mr. Sreehari K**  
Grid-India



**Dr. Binoy B V**  
IIC



**Dr. Abinaya Sekar**  
Health Effects Institute, USA





## **REACH US**

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**For any inquiries, assistance, or further information about the Research Conclave, contact us:**

**Email: [recong@nitc.ac.in](mailto:recong@nitc.ac.in)**

**Visit our website, [www.recong.com](http://www.recong.com), for updates, registration, and additional details.**

## **FIND US**

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**Set in a picturesque landscape at the foothills of the Western Ghats, NIT Calicut is located about 22 kilometres north-east of Calicut city in the state of Kerala, India.**

**Find us at: National Institute of Technology Calicut, NIT Campus P.O., Calicut – 673601, Kerala, India.**



**For directions to the campus, please visit [Campus Map Link](#)**

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