38TH KERALA SCIENCE CONGRESS

30 Jan - 2 Feb 2026

St. Albert's College (Autonomous)
Ernakulam

KERALA SCIENCE CONGRESS

Celebrating Science, Transforming Lives

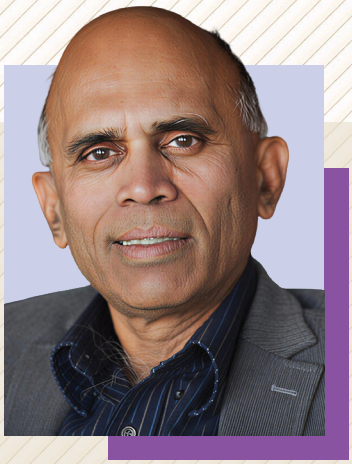
THANU PADMANABHAN MEMORIAL LECTURE

(A prelude to 38th Kerala Science Congress)

12 December 2025

10:30 am- 12.30 pm

Union Christian College (Autonomous), **Aluva**



Speaker

Prof. G. Baskaran
Distinguished Professor
Indian Institute of Technology
Madras

Registration Link

https://forms.gle/SoRTeb9w5rEcVoUp9

For details: focalthemekscste@gmail.com

ORGANIZED BY

Kerala State Council for Science, Technology and Environment (KSCSTE)

IN ASSOCIATION WITH

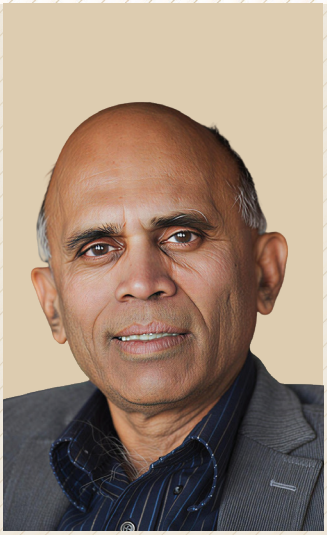
Union Christian College (Autonomous), Aluva

KERALA SCIENCE CONGRESS 38

Celebrating Science, Transforming Lives

Prof. Thanu Padmanabhan (1957–2021)

Prof. Thanu Padmanabhan (1957–2021) was an internationally renowned theoretical physicist whose work profoundly influenced modern cosmology and gravitational theory. After earning his Ph.D. from the Tata Institute of Fundamental Research (TIFR), he became one of India's leading scientists and later joined the Inter-University Centre for Astronomy and Astrophysics (IUCAA) in Pune, where he served as a Distinguished Professor and played a key role in shaping the institute's academic programs. Prof. Thanu Padmanabhan made pioneering contributions to quantum gravity, spacetime thermodynamics, and the concept of gravity as an emergent phenomenon, which deeply influenced modern theoretical physics. He authored several influential books, including Gravitation: Foundations and Frontiers, An Invitation to Astrophysics, Dawn of Science, and the three-volume series Theoretical Astrophysics, all of which are widely used by students and researchers around the world.



Prof. G. Baskaran

Prof. G. Baskaran is a renowned Indian theoretical physicist known for his influential contributions to condensed-matter physics and the study of strongly correlated quantum materials. He is an Emeritus Professor at the Institute of Mathematical Sciences (IMSc), Chennai, and also serves as a Distinguished Visiting Research Chair at the Perimeter Institute for Theoretical Physics in Canada, in addition to being a Distinguished Professor at IIT Madras. Prof. G. Baskaran is widely recognised for co-developing the Resonating Valence Bond (RVB) theory with Prof. P. W. Anderson in the late 1980s, a breakthrough that advanced the understanding of high-temperature superconductivity. His research has also led to significant predictions, including emergent gauge fields in correlated systems, p-wave superconductivity in strontium ruthenate, and the possibility of high-temperature superconductivity in graphene and graphite. Over his career, he has received several prestigious honours, such as the ICTP Prize, the Shanti Swarup Bhatnagar Prize, and the G.N. Ramachandran–SASTRA Award, reflecting his lasting impact on theoretical physics.

KSCSTE natpac