



Dr. K V Rao Scientific Society

Friendship with Science

cordially invites you to the

Rajatotsav - 25th Annual Day

on Friday, September 12, 2025, 2:30 PM

Memorial Oration

by

Prof. Madhavi Latha Gali

Professor, Department of Civil Engineering,
Indian Institute of Science, Bengaluru

Chief Guest

Dr. Vinay K Nandicoori

Director, CSIR- Centre for Cellular and Molecular Biology, Hyderabad

Venue: (Click below)

PM Bhargava Auditorium, CSIR-CCMB
Habsiguda, Hyderabad - 500 007, Telangana

Live Stream: <https://youtube.com/live/-Q323GzjTTA>



Itinerary

Invocation

Welcome Address by Dr. K Ratna, Secretary

Address by Mr. Anil Kumar Kutty, President

KVRSS Song Release

Memorial Oration by Prof. G. Madhavi Latha

Address by Dr. Vinay K Nandicoori

Awards & Felicitations

Vote of Thanks

Tea

Orator Profile



Prof. Madhavi Latha Gali

*Professor, Department of Civil Engineering
& Chair of the Centre for Sustainable Technologies
Indian Institute of Science, Bengaluru*

Oration Topic:

“The Himalayan task of connecting Jammu and Srinagar by train”

Prof. Madhavi born to a farming couple in a small village in Andhra Pradesh was the first engineer from her village. She did her BTech from JNTU Kakinada, MTech from NIT Warangal and Ph.D. from IIT Madras. She joined IISc in 2003 as the first female faculty member of Department of Civil Engineering.

She is the primary geotechnical consultant to the world's highest railway bridge constructed across river Chenab in Jammu. She worked for 17 years in this iconic national project, for its entire period of construction from 2005 to 2022.

She is a fellow of the Indian National Academy of Engineering. She received several awards including the Best Woman Researcher in Geotechnical Engineering award, Prof. S. K. Chatterjee outstanding researcher award and IISc Yashokirti award. She is listed in the top 75 women in STEAM of India.

We are privileged to have Prof. Madhavi Latha deliver the Silver Jubilee Dr. K. V. Rao Memorial Oration on the 25th Annual Day.

Abstract of the talk: Constructing a railway bridge at 359 m above the Chenab riverbed was one of the toughest phases in fulfilling India's 100-year dream of running a train between Jammu and Srinagar. The design of such a bridge had continuously evolved, as per the rock mass conditions encountered during the excavation and the changing design parameters. The speaker will share the deeper insights gained through her 17 years of involvement in planning, design and construction of the world's highest railway bridge on river Chenab



Chief Guest Profile



Dr. Vinay K Nandicoori

Director

*CSIR - Centre for Cellular and Molecular Biology (CCMB),
Hyderabad*

Dr. Vinay K. Nandicoori is the Director of CSIR-CCMB, Hyderabad, and a renowned Molecular and Cellular Biologist for his contributions to tuberculosis research.

Dr. Nandicoori obtained his Bachelors from Andhra University, Masters in Biotechnology from IIT Bombay, and a Ph.D. in Molecular and Cellular Biology from IISc, Bangalore. He was a Postdoc at Texas A&M University for 3 years and the University of Virginia for three and half years before returning to India in 2004. He served as a Scientist at the National Institute of Immunology, New Delhi for 17 years. In 2021 he moved to the Centre for Cellular and Molecular Biology, Hyderabad, India as the Director, where he established his lab.

His research interest is to delineate the kinase-mediated signalling networks in *Mycobacterium tuberculosis* (*Mtb*). In addition, his lab is also interested in identifying novel drug-resistant mechanisms, deciphering transcription regulation and identifying novel targets for host-directed therapy.

Dr. Nandicoori has over 85 publications in international journals of high repute. He is a recipient of the prestigious J. C. Bose Fellowship and NASI-Scopus Young Scientist Award. He is an elected Fellow of all three Science Academies of India. Under his leadership, CCMB continues to strengthen its role as a premier institute advancing research in modern biology and addressing national health challenges.