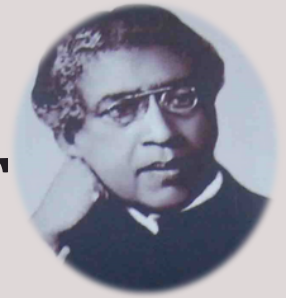




I N V I T A T I O N



SIR J C BOSE TRUST

ACHARYA BHABAN

**SCIENCE HERITAGE GALLERY &
RESEARCH CENTRE**

PRESENTS

**SISTER NIVEDITA'S BIRTH ANNIVERSARY
& DISTINGUISHED LECTURE**

"FRESH AIR FOR A FLOURISHING FUTURE"



Speaker

Dr. Sulekha Chattopadhyay, PhD

Transportation and Air Quality Expert, California Air Resources Board
Fulbright Specialist, IEEE Senior Member
(APS, EMBS, MTTTS, VTS, WIE)

Venue: Acharya Bhaban, 93 APC Road, Kolkata 700009

Date and Time: 24 December, Wednesday, 02:30 pm - 4:30pm

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PROGRAMME

- 02.30 pm** **Welcome Address**
Prof. Parul Chakrabarti, Secretary & Trustee
Sir J C Bose Trust & Coordinator
of the Programme & the Museum
- 02.45 pm** **Introduction of the Speaker**
Prof. Bikas K Chakrabarti
Trustee, Sir J C Bose Trust;
Ex - Director & Professor,
Saha Institute of Nuclear Physics
- 02.55 pm** **Sister Nivedita's Birth Anniversary**
& Distinguished Lecture
"Fresh Air for a Flourishing Future"
Dr. Sulekha Chattopadhyay, PhD
Transportation and Air Quality Expert,
California Air Resources Board
Fulbright Specialist, IEEE Senior Member
(APS, EMBS, MTTs, VTS, WIE)
- 03.55 pm** **Interactive session**
- 04.10 pm** **Vote of Thanks**
- 04.15 pm** **Tea Break**

Programme is dedicated to late Mrs. Rama Dhar (our valued & beloved ex-patron), mother of Prof. Deepak Dhar, patron of Sir J C Bose Trust.



Mrs. Rama Dhar



Abstract:

We all share a single home—our Earth—and, more importantly, we all breathe the same air. As the world gradually emerges from the devastating COVID-19 pandemic, it is crucial to understand the pollutants we release into our atmosphere. Clean air is not just vital for our health but also for our economic well-being.

In my talk, I will explore the intricate interplay of social engagement, scientific advancements, and policy development—grounded in research—that has led to significantly improved air quality in California over the past five decades. I will emphasize that making sustainable lifestyle changes is not only necessary but also urgent. These changes have not only enhanced air quality but have also driven economic growth, proving that environmental responsibility and prosperity can go hand in hand.

Bio:

Sulekha Chattopadhyay received her Ph.D. in Environmental Sciences from the University of California, Riverside. She is internationally renowned for her continued dedication to improving air quality and mitigating the impacts of climate change for which she was selected as a Fulbright Specialist.

Sulekha is a senior engineer at the California Environmental Protection Agency, a leading agency in the US and the world in developing technology-driven sustainable policies that support continued economic growth. Her experience spans measuring and monitoring harmful emissions from engines of all sizes—from lawn mowers and passenger cars to heavy-duty trucks and even jet engines. Her data and analyses have played a critical role in shaping California's emissions standards, ensuring they are both environmentally effective and achievable for industry while supporting continued economic growth.

In 2006, Californians passed the Global Warming Solutions Act to reduce greenhouse gas emissions and mitigate the impacts of climate change. Sulekha now focuses her efforts on electrifying the transportation sector—one of the largest contributors to greenhouse gases. Managing a portfolio of more than \$800 million, she has overseen the evaluation of numerous electric vehicle charging infrastructure projects.

Previously, she directed the development and updates of California's vehicle emissions inventory, which served as the foundation for various regulatory, compliance and research actions in California. Throughout her career, she has been instrumental in bridging the gap between technological innovation and policy-making for a cleaner and more sustainable future.

In addition to her engineering work, she is deeply committed to communicating complex scientific information to the public and mentoring students, especially young girls globally, to help them realize their full potential. Her presentation will focus on how technology-based economic and regulatory actions have improved the lives and livelihood for Californians.