

**Department of Biotechnology
IIT Madras, Chennai
and
Dr. Joseph Thomas Memorial Science Club**

cordially invite you to the

16th Dr. Joseph Thomas Memorial Lecture

- Speaker** : Prof. Soumyo Mukherji, FNAE, FNASc,
Director, BITS Pilani Hyderabad Campus,
Jawahar Nagar, Kapra Mandal, Medchal District - 500 078
Telangana, India;
On lien from
Department of Biosciences and Bioengineering.
IIT-Bombay, Powai, Mumbai 400 076
- Title** : An Engineer Roaming in the Domain of Biology
(A personal perspective on interdisciplinary
R&D)
- Date** : **23rd February 2024, Friday**
- Time** : **3:00 pm IST**
- Venue** : Seminar Hall, Dept. of Biotechnology,
Bhupat and Jyoti Mehta School of BioSciences,
IIT Madras, Chennai – 600036

23rd February 2024, Friday

Program

3:00 pm	Welcome address	HoD Dept of Biotechnology, IIT Madras, Chennai
3:05 pm	Remembering Dr. Joseph Thomas	Dr Rama Vaidyanathan (Dr. Joseph Thomas Memorial Science Club)
3:10 pm	Dr. Joseph Thomas, an IIT perspective	Prof. Manoj N. Dept of Biotechnology, IIT Madras, Chennai
3:15 pm	Introduction of the speaker	Dr. Krithika Ravi Dept of Biotechnology, IIT Madras, Chennai
3:30 pm	An Engineer Roaming in the Domain of Biology- (A personal perspective on interdisciplinary R&D)	Prof. Soumyo Mukherji Director – BITS Pilani, Hyderabad campus
4:30 pm	Vote of Thanks	Dr Lokeswari T S (Dr. Joseph Thomas Memorial Science Club)

Contacts:
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Prof. Soumyo Mukherji

Director, BITS Pilani Hyderabad Campus,
Jawahar Nagar, Kapra Mandal, Medchal District - 500 078
Telangana, India; On lien from
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IIT-Bombay, Powai, Mumbai 400 076



About the Speaker:

Soumyo Mukherji did his B.Tech. in Instrumentation Engineering, Indian Institute of Technology (Kharagpur), MS in Mechanical Engineering, Colorado State University (Fort Collins, USA) and Ph.D. in Biomedical Engineering, University of North Carolina (Chapel Hill, USA). After his PhD he joined IIT Bombay in 1997, where he is an Institute Chair Professor in the Department of Biosciences and Bioengineering. He was the Head of the Centre for Research in Nanotechnology and Sciences at IIT Bombay from 2010-2013 and the Dean of Student Affairs of IIT Bombay from 2015-2019. Presently, he is the Director of BITS Pilani, Hyderabad Campus, Telangana on lien from IIT – Bombay.

Research Area

Biosensors and Bioinstrumentation: This includes physical, chemical and biological sensing systems (macro and micro) for application in health (protein markers of diseases, bacteria, viruses, etc.), water quality (organic and inorganic contaminants) and environmental monitoring. In particular, optical fiber and optical waveguide based systems, and electrochemical impedance spectroscopy based systems are the focal points of research in the lab.

Awards / Honors

- “Fellow of the National Academy of Sciences India” (FNASc)
- “Fellow of the Indian National Academy of Engineering” (FNAE)
- Board of Governors Fellowship of the University of North Carolina at Chapel Hill (1992-1995)

In his talk, he will share his insights on working in an inter-disciplinary cutting edge field focusing on bringing cost-effective but high precision instruments to be used in the environment and health sectors.

Resources:

<https://www.bio.iitb.ac.in/people/faculty/mukherji-s/>