

Science at the Sabha 2020

TALKS ON SCIENCE
FOR THE GENERAL PUBLIC

16 Feb
4-7.30 pm
The Music
Academy
Chennai



CONNECTING WITH NATURE

Shannon Olsson
National Centre for Biological
Sciences, Bengaluru

All life is connected via chemistry. This talk will discuss chemical interactions between life forms and how it is changing, due to human activity, in the Indian context, particularly concerning pollination, environmental change, and urban pollution.



LOOKING FOR LOGIC IN SOCIAL PRACTICE

R Ramanujam
The Institute of Mathematical
Sciences, Chennai

Algorithms are rule-based methods to solve problems in computer science. This talk will discuss algorithms underlying how society works. For example, we want both confidentiality and verifiability in an election: can we prove these requirements consistent?



CHEMICAL DARTS TO FIND ANTIBACTERIAL TARGETS

Harinath Chakrapani
Indian Institute of Science
Education and Research, Pune

Antibiotics are among the greatest discoveries in the past century. However, microbes are developing resistance to these antibiotics. This has emerged as a major global health problem. This talk will discuss some ways to identify vulnerabilities in drug-resistant bacteria.



A BALANCING ACT: APPRECIATING DANCE THROUGH UNDERSTANDING MOTION

V Madhurima
Central University of Tamil
Nadu, Thiruvavur

Our enjoyment of dance is increased when we appreciate scientific aspects of it. This talk will discuss the laws of physics that govern basic human movements, in the context of Indian and western classical dance.



No special knowledge of science is necessary to appreciate the talks. Participation is by online registration only, which is free and open to all, for more information and to register, visit www.imsc.res.in/triveni