

3-Day Lecture programme on Mathematical Modelling of Biological Systems



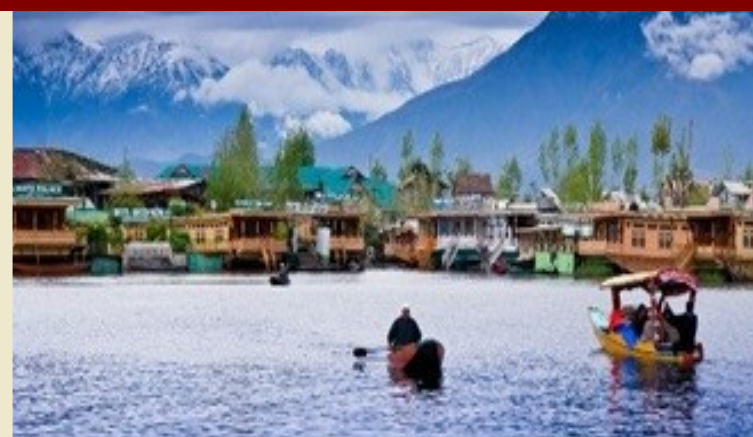
ORGANISED BY

Mathematics Department, University of Kashmir
(<http://maths.uok.edu.in>)



National Network for Mathematical and Computational Biology Mohali Node

(<http://www.iiserpune.ac.in/~mbio/?q=nnmcb>)



VENUE: Mathematics Department, University of Kashmir, April 2 - 4, 2015

Mathematical Biology is a highly interdisciplinary subject requiring sophisticated mathematical understanding for application in biological systems and processes. It allows quantification of biological data and ways of predicting the future outcome of biological processes. The aim of this lecture course is to expose students and young researchers to this interdisciplinary field through lectures by eminent mathematical biologists.

The **topics to be covered in this event** have direct applications in real life problems. The formulation of mathematical and computational models in these areas can lead to an optimal and realistic output. The mathematical tools and techniques play a key role in observing the real life problems and their behavior in the system. The talks will cover the mathematical methods and their applications in each area. This will be one of the first meetings in this subject and will give a very useful exposure to the students and young researchers.

SPEAKERS

Philip Maini ([Oxford University, UK](#))
V. P. Saxena ([Jiwaji University, Gwalior](#))
Somdatta Sinha ([IISER, Mohali](#))
Joydev Chattopadhyay ([ISI, Kolkata](#))
K. R. Pardasani ([MANIT Bhopal](#))
S. Pirzada ([University of Kashmir](#))
Sandip Krishna ([NCBS, Bangalore](#))
R. K. Upadhyay ([ISM, Dhanbad](#))
Neeru Adlakha ([SVNIT, Surat](#))
N. Bairagi ([Jadavpur University, Kolkata](#))
Seema Nanda ([TIFR CAM, Bangalore](#))
Ram Rup Sarkar ([NCL, Pune](#))
Ganesh Bagler ([IIT Jodhpur](#))

Topics to be covered:

Mathematical Biology; Models of Cellular Processes; Mathematical Ecology; Mathematical Physiology & Biomechanics; Chaos Theory; Bioinformatics and Computational Biology; Graph theory & Cancer gene networks; Mathematical Epidemiology

Application Procedure:

Contact: lpmmbs2015@gmail.com

Send your application to the contact email with the following information:

Name, Contact Address with email and cell number, Current affiliation and Position, Age, Gender, Subject or Area of Research, Interested in submitting a poster, and if you would need accommodation during the meeting.

Application deadline:	February 20, 2015
Selected persons will be informed by	March 1, 2015
Deadline for sending registration fees:	March 20, 2015

Registration Fees:

Students/Postdocs : Rs. 1000 + accommodation charges

Faculty : Rs. 2000 + accommodation charges

Accommodation charges: Rs.2500/- for single and Rs.1250/- on sharing basis - per night

If funding is available, then some of the cost for students will be waived.

CONVENER

M. A. Khanday (University of Kashmir)

ORGANIZING COMMITTEE

S. Pirzada (University of Kashmir)
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Somdatta Sinha (IISER Mohali)