



National Conference

on

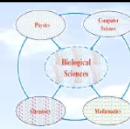
Complex Systems in Interdisciplinary Sciences

organized by

Centre for Interdisciplinary Research in Basic Sciences

Jamia Millia Islamia, New Delhi

March 11-12, 2019



Scope of Conference

A complex system features a large number of interacting components/agents/processes with effectively non-linear aggregate activity like hierarchical self-organization under selective pressures. A biological cell, therefore, is a complex system for interdisciplinary sciences as it has series of chemical species, large number of interactions, specialization for spatial anisotropy compartmentalization due to constrained diffusion, feedbacks i.e. non-linear reactions, open system: steady state (far from equilibrium, energy consumption) and structure-function redundancy (one structure for many functions, one function for many structures). To unveil the details of processes and reaction mechanism, application of interdisciplinary sciences comprised of mathematics, physics, chemistry and biological sciences is important. The conference is a common platform for researchers, engineers, technocrats and information technologist belonging to various disciplines and sectors to discuss the wide range of topics that can be addressed by mathematical sciences from fundamental to the technological and biomedical applications. This is the continuation of the conferences in the series of interdisciplinary topics organized by the Centre in the past.

Topics of the Conference

- Algorithms & Data Mining
- Applied & Computational Mathematics
- Bioinformatics & Drug Designing
- Complex Networks and Graph Theory
- Computational Biology
- Infectious Disease Dynamics
- Machine Learning & Robotics
- Modelling in Ecology & Environments
- Molecular Dynamics Simulation
- Nonlinear Dynamical Systems
- PDE & Numerical Methods
- ODE & Mathematical Modeling
- Soft Computing & Intelligence Systems
- Statistical and Quantum Mechanics
- Statistical Techniques/Biostatistics
- Structural Biology and Drug designing
- Thermodynamics and Kinetics
- Bioinformatics & Systems Biology
- Other Interdisciplinary Areas

Patron

Prof. Shahid Ashraf

Vice-Chancellor, Jamia Millia Islamia
New Delhi-110025

Chair Person

Prof. Shafeeqe Ahmed Ansari

Director, Centre for Interdisciplinary
Research in Basic Sciences, Jamia Millia
Islamia
New Delhi-110025

Convener

Dr. Ravins

Room No. 104 (First Floor),
S. Ramanujan Block, CIRBSc., Jamia Millia
Islamia, New Delhi-110025
E. mail: nccsisc2019@gmail.com,
ravins@jmi.ac.in
Mobile No.: +91-9868655958

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- Dr. R. K. Brojen Singh, SCIS, JNU, New Delhi
- Dr. Arti Pandey, IIT, Ropar, Punjab, India

Registration Fees

Category	Amount
Students/Scholars	Rs. 1500
Faculty/Teacher	Rs. 2500
Industry	Rs. 5000

Registration Policy

Interested Participant have to fill Google form as link below for their registration. The DD/Cheque should be prepared in favor of "Registrar, Jamia Millia Islamia", payable at New Delhi. Please contact to Mr. Narender Kumar (9268444890 or nccsisc2019@gmail.com) for detail.

Important dates

Last Date for Abstract Submission: February 20, 2019
Notification Acceptance of Abstract : February 25, 2019
Last Date for Registration: February 28, 2019
Date of conference: March 11-12, 2019

Oral/Poster Presentation

All registered participants are encouraged to make a oral or poster presentation of their recent research activities and submit an abstract not exceeding 250 words before the last date of submission.

Accommodation

Accommodation will be provided for outstation participants on payment basis. Please contact to Mr. Narender Kumar (9268444890 or nccsisc2019@gmail.com) for more detail.

Google Form: <https://docs.google.com/forms/d/e/1FAIpQLSeG6ncQH1OqV2h6GxO2dZrVEc3dq9vaig-bpCvcFwTkMgYMw/formResponse>

Organizing Committee Members

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Conference Venue

Room No 202, Srinivasa Ramanujan Block (Mujeeb Bagh)
 Centre for Interdisciplinary Research in Basic Sciences, Jamia Millia Islamia, New Delhi-110025
 (Entry from Gate No. 23, Near Jamia Community Centre)

{Note: QR Code available for accessing the location of Conference Venue}

