

Conference Schedule				
National Conference on Complex Systems in Interdisciplinary Sciences				
March 11-12, 2019				
Day 1				
Registration			9:00 AM	10:00 AM
Welcome and Opening Speech			10:00 AM	10:30 AM
Keynote Session				
Speaker: Prof. R. Ramaswamy, Visiting Professor, Department of Chemistry, IIT Delhi, Hauz Khas, New Delhi			10:30 AM	11:15 AM
Tea/Coffee Break				
Day 1, Session 1: Invited Speaker			11:45 AM	1:45 PM
Session Chair: Prof. Syed Afzal Murtaza Rizvi, Deptt. of Computer Sciences, JMI				
Prof. Shandar Ahmad	School of Computational and Integrative Sciences, JNU, New Delhi	Dealing with Dimensionality and Complexity of Biological Big Data	11:45 AM	12:30 PM
Dr. Ganesh Bagler	IIT Delhi	Computational Gastronomy: The Emerging Data Science of Food, Flavors and Health	12:30 PM	1:15 PM
Dr. Prashant Kumar	National Institute of Technology, Delhi	Mathematical Modelling of boussinesq equation for wave propagating in shallow water	1:15 PM	1:45 PM
Lunch Break				
Day 1, Session 2: Invited Speaker			2:30 PM	4:00 PM
Session Chair: Prof. Ayyub Khan, Deptt. of Mathematics, JMI, New Delhi				
Prof. Manish Dev Shrimali	Central University of Rajasthan, Rajasthan, India	Explosive death in network of nonlinear oscillators	2:30 PM	3:15 PM
Dr. Sachin Kumar	Department of Mathematics, University of Delhi, Delhi	Lie Symmetry Analysis and Solitary wave solutions of (3+1)-dimensional generalized shallow water wave equation	3:15 PM	3:40 PM
Dr. Shama Praveen	CIRBSc, Jamia Millia Islamia, New Delhi	Complex Evolutionary Dynamics of Respiratory Syncytial Virus	3:40 PM	4:00 PM
Day 1, Session 3: Oral Presentation			4:00 PM	4:40 PM
Session Chair: Dr. Prashant Kumar, Department of Mathematics, NIT Delhi				
Amit Sharma	Asymmetry in Serial Femtosecond Crystallography Data		4:00 PM	4:10 PM
Aakanksha Chopra	Subsequent Reliable Technique for Cells Data - Graphical Password		4:10 PM	4:20 PM
Ankita Chopra	Comparison Study of Apriori, ID3 and C4.5 Algorithms for Weather Forecasting using Association and Classification Techniques		4:20 PM	4:30 PM
Tea/Coffee Break				
Day 1, Session 4: Oral Presentation			4:40 PM	5:30 PM
Session Chair: Dr. Mansaf Alam, Deptt. of Computer Sciences, JMI				
Nainika Kaushik	Information Retrieval from Search Engine Using Particle Swarm Optimization		4:40 PM	4:50 PM
Sunny Seth	Economic Analysis of M/M/c Markovian Queuing Model with Reverse Balking for managing business effectively		4:50 PM	5:00 PM
Mohammad Prawesh Alam	A compact finite difference method for solving singularly perturbed problems exhibiting interior or twin boundary layers		5:00 PM	5:10 PM
Nadia	Laccasepred: Prediction of laccases using machine-learning based approaches		5:10 PM	5:20 PM
Kayenat Parveen	Immunoinformatics of Human Bel-2-Associated Athanogene 6 (BAG6)		5:20 PM	5:30 PM
Day 1, Session 5: Oral Presentation			5:30 PM	6:30 PM
Session Chair: Dr. Arshad Khan, Deptt. of Mathematics, JMI				
Ansina M Haroon	Finger print analysis through mathematical analysis		5:30 PM	5:40 PM
Gazala Praveen	Membrane Technology and Copolymerization of Acrylic Copolymers as a Membrane for Water Treatment		5:40 PM	5:50 PM
Arshi Islam	Molecular Characterization of Dengue Virus Strains identified from New Delhi during 2017		5:50 PM	6:00 PM
Pooja Raj Verma	Mathematical electric-yielding model for mode-III semi-permeable collinear cracks in a piezoelectric strip		6:00 PM	6:10 PM
Ashraf Alam	Influence of Theory on Research in Mathematics Education: The Case of Teaching and Learning of Calculus vis-à-vis Limits of Functions		6:10 PM	6:20 PM
Dharmendra Kumar	Group invariant solutions of extended Zakharov-Kuznetsov equation		6:20 PM	6:30 PM
Dinner				
			7:00 PM	8:30 PM

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Day 2					
Day 2, Session 1: Invited Speaker	Session Chair: Prof. Anjan Sen, Centre for Theoretical Physics, JMI, New Delhi			10:00 AM	11:30 AM
Prof. Sanjay Jain	Department of Physics and Astrophysics, University of Delhi, Delhi	Towards an understanding of some puzzles of bacterial growth from mathematical models		10:00 AM	10:45 AM
Prof. Shobha Bagai	Cluster Innovation Centre, University of Delhi, Delhi			10:45 AM	11:30 AM
Tea/Coffee Break				11:30 AM	11:45 AM
Day 2, Session 2: Invited Speaker	Session Chair: Dr. Brojen Singh, SCIS, JNU, New Delhi			11:45 AM	1:05 PM
Dr. Ashok Kumar	Department of Physics, Panjab University, Chandigarh – 160014, INDIA	Off target discovery of taxole like drugs by systems biology		11:45 AM	12:15 PM
Dr. Surabhi Pandey	Public Health Foundation of India, Gurgaon, India	Mathematical modeling of Malaria: Epidemiology and its Control		12:15 PM	12:45 PM
Dr. Sunil Kumar	Department of Physics, Ramjas College, University of Delhi	Analysing the impact of crisis on the networks of global currency exchange rate and Indian stock markets		12:45 PM	1:05 PM
Lunch Break and Poster Presentation				1:05 AM	2:30 PM
Day 2, Session 3: Invited Speaker	Session Chair: Dr. Ashok Kumar, CSB, PU, Chandigarh				
Dr. Gajendra Pratap Singh	SCIS, JNU, New Delhi	Petri net – Modeling and Applications		2:30 PM	2:50 PM
Dr. Praveen Kumar	Department of Mathematics, Ramjas College, University of Delhi	Topological Dynamical System and Chaos		2:50 PM	3:10 PM
Dr. Prashant Singh	Department of Chemistry, ARSD College, University of Delhi	A computational approach to study the interaction of boronic acid with insulin		3:10 PM	3:30 PM
Day 2, Session 4: Oral Presentation	Session Chair: Dr. Somaseri Sen, Deptt. Physics, JMI			3:30 PM	5:40 PM
Pawan Kumar	Weighted Overlapping Modularity for Community Structure Evaluation in Weighted Networks			3:30 PM	3:40 PM
Sushil Yadav	Resonance due to perturbations of a geo-centric synchronous satellite including Earth's equatorial ellipticity			3:40 PM	3:50 PM
Najmuddin Ahmad Siddiqui	Evaluation of Bishri Booti (Aerva lanata Linn.), An Unani Medicinal plant on Chemically Induced Benign Prostatic Hyperplasia in Rats			3:50 PM	4:00 PM
Uzma Nigar	Fractional Order Disturbance Observer Based Adaptive Sliding Mode In Hybrid Compound Synchronization Of Identical Chaotic System			4:00 PM	4:10 PM
Madhuri Jha	Petri net modeling of Alkanes to generate n-binary numbers			4:10 PM	4:20 PM
Sushil Kumar	Topological properties of global currency exchange rates network in the vicinity of sub-prime crisis of 2008			4:20 PM	4:30 PM
Tea/Coffee Break				4:30 PM	4:40 PM
Day 2, Session 5: Oral Presentation	Session Chair: Prof. Sushant Ghosh, CTP, JMI			4:40 PM	5:40 PM
Lone Seth Jahanzaib	Synchronization of Identical Chaotic Systems			4:40 PM	4:50 PM
Nadeem Rao	Szasz–Gamma Operators Based on Dunkl Analogue			4:50 PM	5:00 PM
Nasreen	Hybrid Projective Synchronization of Fractional order Chaotic Systems			5:00 PM	5:10 PM
Pushali Trikha	Anti-Synchronization of Non -Identical Chaotic Systems			5:10 PM	5:20 PM
Tahera Begum	Robust method for solving second order singularly perturbed delay differential equations using non-polynomial spline			5:20 PM	5:30 PM
Valedictory Function and Certificate Distribution				5:30 PM	6:00 PM