		March 10, 2025	
	Venue: A/C Auditorium		
9.00 AM – 10.00 AM	Registration		
10.00 AM – 10.45 AM		Inaugur	ation
10.45 AM – 11.15 AM		Tea Br	reak
		Chair: Prof. (G. Ambika
11.15 AM – 12.00 AM			M. Lakshmanan
	Plenary Talk 1		rathidasan University)
			their collisions in Manakov system rul Lakshminarayan
12.00 PM – 12.45 PM	Plenary Talk 2	1101. AI	(IIT Madras)
		Chaos and quantum-c	lassical correspondence for channels
12.45 M – 1.15 PM		Prof	f. Avinash Khare
12.43 WI - 1.13 TWI	Invited Talk 1		(IISER Pune)
1.15 D. 6 . 0.15 D. 6			facets of PT symmetry
1.15 PM – 2.15 PM		Lunch Breal Chair: Prof: Soun	` /
			of, G. Ambika
2.30 PM – 3.00 PM	Invited Talk 2		ISER Trivandrum)
		Relay synchronization and contro	ol in multiplex networks with directional coupling
3.00 PM – 3.30 PM			ovind Krishnaswami
	Invited Talk 3		(CMI, Chennai) em: classical and quantum aspects
			. Malay Banerjee
3.30 PM – 4.00 PM	Invited Talk 4	2.00	(IIT Kanpur)
			elling: formulation and major outcomes
4.00 PM – 4.30 PM		Tea Bro	
	Von	Contribute	Venue: USIC
	Chair: Prof. Arul Lakshminarayan		Chair: Prof. Avinash Khare
	Dr. Thounaojam Umeshkanta Singh		Dr. R. Radha
4.30 PM – 4.50 PM	(B	ennett University)	(Government College for Women)
		ynamics of non-isochronous	
	Stuart-Landau oscillators: Interplay of asymmetric		Exact solvability of spin-orbit and Rabi coupled
		cillators: Interplay of asymmetric	Bose-Einstein condensates and attributes of
	and		
4.50 PM – 5.10 PM	and : Dr. K (Ramniran	cillators: Interplay of asymmetric symmetric couplings iran M. Kolwankar jan Jhunjhunwala College)	Bose-Einstein condensates and attributes of localized solutions Dr. S. Balakrishnan (VIT, Vellore)
4.50 PM – 5.10 PM	and : Dr. K (Ramniran	cillators: Interplay of asymmetric symmetric couplings iran M. Kolwankar jan Jhunjhunwala College) f synchronization using invariant	Bose-Einstein condensates and attributes of localized solutions Dr. S. Balakrishnan (VIT, Vellore) Role of two-qubit entangling operators in
4.50 PM – 5.10 PM	and s Dr. K (Ramniran Global analysis o	cillators: Interplay of asymmetric symmetric couplings iran M. Kolwankar jan Jhunjhunwala College) f synchronization using invariant measure	Bose-Einstein condensates and attributes of localized solutions Dr. S. Balakrishnan (VIT, Vellore) Role of two-qubit entangling operators in preventing the onset of chaos in duopoly games
	and s Dr. K (Ramniran Global analysis o	cillators: Interplay of asymmetric symmetric couplings iran M. Kolwankar jan Jhunjhunwala College) f synchronization using invariant measure Nirmal Thyagu	Bose-Einstein condensates and attributes of localized solutions Dr. S. Balakrishnan (VIT, Vellore) Role of two-qubit entangling operators in preventing the onset of chaos in duopoly games Dr. Sai Harshini Tekur
4.50 PM – 5.10 PM 5.10 PM – 5.30 PM	Dr. K (Ramniran Global analysis o Dr. (Madras C Dynamic state ch	cillators: Interplay of asymmetric symmetric couplings iran M. Kolwankar jan Jhunjhunwala College) ff synchronization using invariant measure Nirmal Thyagu Christian college, Chennai) tange detection using topological	Bose-Einstein condensates and attributes of localized solutions Dr. S. Balakrishnan (VIT, Vellore) Role of two-qubit entangling operators in preventing the onset of chaos in duopoly games Dr. Sai Harshini Tekur (Prayoga institute of Education Research) Higher-order gap ratios of singular values in
	Dr. K (Ramniran Global analysis o Dr. (Madras C Dynamic state ch	cillators: Interplay of asymmetric symmetric couplings iran M. Kolwankar jan Jhunjhunwala College) f synchronization using invariant measure Nirmal Thyagu Christian college, Chennai)	Bose-Einstein condensates and attributes of localized solutions Dr. S. Balakrishnan (VIT, Vellore) Role of two-qubit entangling operators in preventing the onset of chaos in duopoly games Dr. Sai Harshini Tekur (Prayoga institute of Education Research) Higher-order gap ratios of singular values in open quantum systems
5.10 PM – 5.30 PM	Dr. K (Ramniran Global analysis of Dr. (Madras C Dynamic state ch	cillators: Interplay of asymmetric symmetric couplings iran M. Kolwankar jan Jhunjhunwala College) ff synchronization using invariant measure Nirmal Thyagu Christian college, Chennai) tange detection using topological	Bose-Einstein condensates and attributes of localized solutions Dr. S. Balakrishnan (VIT, Vellore) Role of two-qubit entangling operators in preventing the onset of chaos in duopoly games Dr. Sai Harshini Tekur (Prayoga institute of Education Research) Higher-order gap ratios of singular values in open quantum systems Dr. Priyam Das
	Dr. K (Ramniran Global analysis o Dr. (Madras C Dynamic state ch data analy Dr. Ar	cillators: Interplay of asymmetric symmetric couplings iran M. Kolwankar jan Jhunjhunwala College) of synchronization using invariant measure Nirmal Thyagu Christian college, Chennai) lange detection using topological lysis and machine learning andamohan ghosh (IISER Kolkata)	Bose-Einstein condensates and attributes of localized solutions Dr. S. Balakrishnan (VIT, Vellore) Role of two-qubit entangling operators in preventing the onset of chaos in duopoly games Dr. Sai Harshini Tekur (Prayoga institute of Education Research) Higher-order gap ratios of singular values in open quantum systems Dr. Priyam Das (BS College, Bankura)
5.10 PM – 5.30 PM	Dr. K (Ramniran Global analysis o Dr. (Madras C Dynamic state ch data analy Dr. Ar	cillators: Interplay of asymmetric symmetric couplings iran M. Kolwankar jan Jhunjhunwala College) of synchronization using invariant measure Nirmal Thyagu Christian college, Chennai) hange detection using topological yesis and machine learning nandamohan ghosh	Bose-Einstein condensates and attributes of localized solutions Dr. S. Balakrishnan (VIT, Vellore) Role of two-qubit entangling operators in preventing the onset of chaos in duopoly games Dr. Sai Harshini Tekur (Prayoga institute of Education Research) Higher-order gap ratios of singular values in open quantum systems Dr. Priyam Das
5.10 PM – 5.30 PM	Dr. K (Ramniran Global analysis of Dr. (Madras C Dynamic state ch data analy Dr. Ar Spectral	cillators: Interplay of asymmetric symmetric couplings iran M. Kolwankar jan Jhunjhunwala College) of synchronization using invariant measure Nirmal Thyagu Christian college, Chennai) lange detection using topological lysis and machine learning andamohan ghosh (IISER Kolkata)	Bose-Einstein condensates and attributes of localized solutions Dr. S. Balakrishnan (VIT, Vellore) Role of two-qubit entangling operators in preventing the onset of chaos in duopoly games Dr. Sai Harshini Tekur (Prayoga institute of Education Research) Higher-order gap ratios of singular values in open quantum systems Dr. Priyam Das (BS College, Bankura) Supersolid phase via roton softening in spin-orbit coupled quantum droplets Dr. Anjuman Ara Khatun
5.10 PM – 5.30 PM	Dr. K (Ramniran Global analysis of Dr. (Madras C Dynamic state ch data analy Dr. Ar Spectral Dr. Bis (Amrita Vishw	cillators: Interplay of asymmetric symmetric couplings iran M. Kolwankar jan Jhunjhunwala College) if synchronization using invariant measure Nirmal Thyagu Christian college, Chennai) lange detection using topological lysis and machine learning andamohan ghosh (IISER Kolkata) properties of β ensemble swambhar Rakshit a Vidyapeetham, Coimbatore)	Bose-Einstein condensates and attributes of localized solutions Dr. S. Balakrishnan (VIT, Vellore) Role of two-qubit entangling operators in preventing the onset of chaos in duopoly games Dr. Sai Harshini Tekur (Prayoga institute of Education Research) Higher-order gap ratios of singular values in open quantum systems Dr. Priyam Das (BS College, Bankura) Supersolid phase via roton softening in spin-orbit coupled quantum droplets Dr. Anjuman Ara Khatun (IIT Bombay)
5.10 PM – 5.30 PM 5.30 PM – 5.50 PM	Dr. K (Ramniran Global analysis of Dr. (Madras C Dynamic state ch data analy Dr. Ar Spectral Dr. Bis (Amrita Vishw	cillators: Interplay of asymmetric symmetric couplings iran M. Kolwankar jan Jhunjhunwala College) of synchronization using invariant measure Nirmal Thyagu Christian college, Chennai) hange detection using topological ysis and machine learning nandamohan ghosh (IISER Kolkata) properties of β ensemble	Bose-Einstein condensates and attributes of localized solutions Dr. S. Balakrishnan (VIT, Vellore) Role of two-qubit entangling operators in preventing the onset of chaos in duopoly games Dr. Sai Harshini Tekur (Prayoga institute of Education Research) Higher-order gap ratios of singular values in open quantum systems Dr. Priyam Das (BS College, Bankura) Supersolid phase via roton softening in spin-orbit coupled quantum droplets Dr. Anjuman Ara Khatun
5.10 PM – 5.30 PM 5.30 PM – 5.50 PM	Dr. K (Ramniran Global analysis of Dr. (Madras C Dynamic state ch data analy Dr. Ar Spectral Dr. Bis (Amrita Vishw	cillators: Interplay of asymmetric symmetric couplings iran M. Kolwankar jan Jhunjhunwala College) if synchronization using invariant measure Nirmal Thyagu Christian college, Chennai) lange detection using topological lysis and machine learning andamohan ghosh (IISER Kolkata) properties of β ensemble swambhar Rakshit a Vidyapeetham, Coimbatore)	Bose-Einstein condensates and attributes of localized solutions Dr. S. Balakrishnan (VIT, Vellore) Role of two-qubit entangling operators in preventing the onset of chaos in duopoly games Dr. Sai Harshini Tekur (Prayoga institute of Education Research) Higher-order gap ratios of singular values in open quantum systems Dr. Priyam Das (BS College, Bankura) Supersolid phase via roton softening in spin-orbit coupled quantum droplets Dr. Anjuman Ara Khatun (IIT Bombay) Dynamics of Janus-like swimmers in millimeter scale
5.10 PM – 5.30 PM 5.30 PM – 5.50 PM 5.50 PM – 6.10 PM	Dr. K (Ramniran Global analysis of Dr. (Madras C Dynamic state ch data analy Dr. Ar Spectral Dr. Bis (Amrita Vishw	cillators: Interplay of asymmetric symmetric couplings iran M. Kolwankar jan Jhunjhunwala College) if synchronization using invariant measure Nirmal Thyagu Christian college, Chennai) lange detection using topological lysis and machine learning andamohan ghosh (IISER Kolkata) properties of β ensemble swambhar Rakshit la Vidyapeetham, Coimbatore) ransition using echo state network	Bose-Einstein condensates and attributes of localized solutions Dr. S. Balakrishnan (VIT, Vellore) Role of two-qubit entangling operators in preventing the onset of chaos in duopoly games Dr. Sai Harshini Tekur (Prayoga institute of Education Research) Higher-order gap ratios of singular values in open quantum systems Dr. Priyam Das (BS College, Bankura) Supersolid phase via roton softening in spin-orbit coupled quantum droplets Dr. Anjuman Ara Khatun (IIT Bombay) Dynamics of Janus-like swimmers in millimeter scale

^{*(}UGH- University Guest House) * (USIC - University Science Instrumentation Centre)

March 11, 2025		
Venue: A/C Auditorium		
Chair: Prof. M. Lakshmanan		
9.30 AM – 10.15 AM	Plenary Talk 3	Prof. Sudeshna Sinha (IISER Mohali) Evolution beats random chance: Performance-dependent network evolution
		for enhanced computational capacity
10.15 AM – 10.45 AM	Invited Talk 5	Prof. Lakshmi Bala (IIT Madras) Dynamics of quantum observables: time series and networks analysis
10.45 AM – 11.15 AM	Invited Talk 6	Prof. Awadhesh Prasad (Delhi University) The dynamics of interacting camphor rotors
11.15 AM – 11.45 AM		Tea Break
	C	hair: Prof. M. S. Santhanam
11.50 AM – 12.20 PM	Invited Talk 7	Prof. K. Murali (Anna University) Dynamics based p-bits for invertible logic
12.20 PM – 12.50 PM	Invited Talk 8	Prof. Nithin Nagaraj (NIAS, Bangalore)
12.50 PM – 1.10 PM	Invited Talk 9	Chaos theory meets number theory & machine learning Dr. Ayan Khan (Bennett University) Dynamics of quantum droplet
1.17 DV 6. 0.17 DV 6		I II I WOW
1.15 PM – 2.15 PM		Lunch break (UGH) Chair: Prof. Sudeshna Sinha
2.30 PM – 3.00 PM	Invited Talk 10	Prof. Tanmoy Banerjee (University of Burdwan) Cooperative dynamics in quantum domain: symmetry breaking and more
3.00 PM – 3.30 PM	Invited Talk 11	Dr. Utpal Roy (IIT Patna) Nonlinearity mediated atomtronics and quantum precision
3.30 PM – 3.50 PM	Contributed Talk	measurements Dr. Ajay Nath (IIIT Vadodara)
		1D Ultradilute quantum droplets in driven bi-periodic optical lattices
3.50 PM – 4.30 PM	Tea Break + Photo Session	
4.30 PM – 6.15 PM	A/C Auditorium Society for Nonlinear & Complex Systems (SONCOS) Annual General Meeting & Panel Discussion	
	Cultural Events (A/C Auditorium)	
6.15 PM – 7.30 PM		Cultural Events (A/C Auditorium)

		March 12, 2025	
	Chair: Prof. Lakshmi Bala (Venue: A/C Auditorium)		
			I. S. Santhanam (IISER Pune)
9.30 AM – 10.15 AM	Elections as a complex system : margins, voter turnouts at		
	Invited Talk 12		Neelima Gupte (IIT Madras)
10.15 AM –10.45 AM	Invited Talk 12 Synchronization of Kuramoto oscillators on simplicial 4 complexes: hysteresis, clus formation and 5 partial synchronization		
	Invited Talk 13		al Kumar Dana (Jadavpur University)
10.45 AM – 11.15 AM	mvited raik 15		nena in ecological systems under forcing
11.15 AM – 11.40 AM		Chair: Prof. R.I. Suji	ea Break
	Dr. V. K. Chandrasekar (SASTRA University)		
11.45 AM – 12.15 PM	Invited Talk 14 Emergent dynamical states in globally coupled conformist and contast asymmetric interactions		bally coupled conformist and contrarian populations with
		Dr. D. V. 8	Senthilkumar (IISER Trivandrum)
12.15 PM – 12.45 PM	Invited Talk 15		ous nucleation in adaptive networks
		Dy Cangaetha II	Givel (Denous His I. Hair agaits Vanagai)
12.45 PM- 1.05 PM	Contributed		jjwal (Banaras Hindu University, Varanasi) near Hopf boundary: Multistability, intermingled
12.13 1111 1.03 1111	Talk	Coupled Lorenz systems	basins and chimeras
1.05 PM – 2.15 PM		Lunch	Break (UGH)
			ributed Talks
		enue: A/C Auditorium	Venue: USIC
	Chair	r: Prof. Neelima Gupte	Chair: Prof. Govind Krishnaswami
2.30 PM – 2.50 PM		uresh Ramachandran	Dr. N. D. Chavda
		(SASTRA University) itigation of extreme events in nonlinear	(The Maharaja Sayajirao University of Baroda)
	Dynamics and in	oscillatory systems	Structure of wavefunctions of interacting many-particle quantum systems with one-plus k-body random interactions
		Suresh Kumaraswamy	Dr. V. Muthubalan (SASTRA University)
2.50 PM – 3.10 PM		swari Engineering College) events in dynamical systems	Spin field effect transistor - A revolution in semiconductor
		Ramupillai (SASTRA University)	-
3.10 PM – 3.30 PM		nical states: from coupled oscillators to	Dr. Taniya Khatun (IIT Bombay) Experimental evidence of community switching
	D :	swarmalators	Dr. Sreeram PG
3.30 PM – 3.50 PM		Joydeb Bhattacharyya arimpur Pannadevi college)	(IISER Pune)
2.201111 2.201111	Wolbachia-based m	osquito control: Early warning signals and	Dichotomy in the effect of chaos on ergotropy
		optimal interventions	
3.50 PM – 4. 10 PM	Dr. Sathish Aravind M.(Bharathidasan University) Realization of logic gates in both single nonlinear systems and		Mr. Dweepabiswa Bagchi (IISER Trivandrum)
3.30 1 WI — 4. 10 1 WI		ipled nonlinear oscillators	Quenching of chaos in externally driven metacommunities
4. 10 PM – 4.30 PM		T	ea Break
	Chair: Pı	rof. Shyamal Kumar Dana	Chair: Prof. Awadesh Prasad
	Ms. A	yushi Suman (IIT Indore)	Ms. Rumi Kar (IISER Trivandrum)
4.30 PM – 4.45 PM		fect in Kuramoto oscillators with gher-order interactions	Higher-order interaction induced chimeralike state in a bipartite network
		yanka Rajwani (IIT Indore)	Ms. Titir Mukherjee (IISER Kolkata)
4.45 PM – 5.00 PM	Stochastic Kuramoto oscillators with inertia and		Quantum Langevin equation: An approach to dissipative
	higher-order interactions		quantum soft impact oscillator
5.00 PM – 5.15 PM		n Mishra (IISER Trivandrum)	Mr. Buddha Nath Sharma (NIT Sikkim) Detecting extreme events in the stock market using topological
5.00 1 WI = 5.15 1 WI	Revival of oscillation in diffusively coupled d-dimensional limit-cycle oscillators		data analysis
	Mr. Hariharan S. (SASTRA University)		Mr. S. V. Manivelan
5.15 PM – 5.30 PM		induced extreme events: From single	(M.R. Government Arts college)
	neuron to network dynamics		Self-feedback delay induces extreme events in the theoretical Brusselator system
		Mendola (Bennett University)	Mr. Shivam Singh (Bennett University)
5.30 PM – 5.45 PM	Collective	rotational-flips and explosive	Fragmentation and elementary excitations in ultracold systems
		on in coupled nonlinear oscillators	1
5.45 PM – 6.00 PM		onti Beeraiah (IIT Madras)	Mr. Porikshit Mondal (IISER Trivandrum)
	Strange nonchaotic attractor in a self-excited turbulent reactive flow system		Multi-sphere model in higher dimensional space
6.00 PM- 7.00 PM	Poster Session (USIC)		
7.30 PM – 9.00 PM	Dinner (UGH)		
7.30 1 WI — 9.00 F WI		Dill	iici (COII)

March 13, 2025			
Venue: A/C Auditorium			
		Chair: Prof. K. Murali	
10.00 AM – 10.30 AM	Invited Talk 16		Prof. R. I. Sujith (IIT Madras) explosive synchronization in turbulent reacting flow systems
10.30 AM – 11.00 AM	Invited Talk 17	Nonlinear waves i	Dr. T. Kanna Bishop Heber college) n non-autonomous multicomponent oss-Pitaevskii system
11.00 AM - 11.20 AM	Contributed Talk	(2	Xenvolt Technologies) g extreme frequency deviations in power grid
11.20 AM – 11.45 AM		Tea 1	Break
		Contribu	ited Talks
	Venue	: A/C Auditorium	Venue: USIC
	Chair: D	r. D. V. Senthilkumar	Chair: Dr. Sangeetha Ujjwal
11.50 AM – 12.10 PM	Dr. Anisha Kashyap (IUCAA Pune) Applying recurrence methods to classify binary stars		Dr. R. Arun (SRM Trichy) Microwave generation and it's tunability by field and current in spin-torque nano oscillator
12.10 PM – 12.25 PM	Mr. Anirudh Sivakumar (Bharathidasan University) Revealing turbulent dark matter via merging self-gravitating condensates		Dr. N. Sinthuja (Anna University) Dynamics of nonlinear waves in electrical transmission lines
12.25 PM – 12.40 PM	Mr. Senthamizhan R. (SASTRA University) Exploring the swarmalators with data driven approach		Mr. Sai Prasad V. R. (SASTRA University) Effect of vaccination rate in multi-wave compartmental model
12.40 PM – 12:55 PM	Mr. Praveenkumar V. (IIT Madras) Time-varying functional climate networks capture emergent phenomena prior to the Kerala floods in 2018 and 2019		Mr. Sanjay S. (Amrita Vishwa Vidyapeetham, Coimbatore) Exploring vortex droplets in two-dimensional harmonic traps: A photonic spin-orbit coupling perspective
1.00 PM – 1.30 PM	Valediction (A/C Auditorium)		
1.30 PM – 2.30 PM		Lunch bro	eak (UGH)

March 10, 2025

POSTER PRESENTATION

Name	Title
Dr. Devraj Pawar Ramniranjan Jhunjhunwala College, Mumbai	Detecting early warning signals for critical transitions in astrophysical systems
Mr. D. Aravindha Krishnan PSG College of Arts and Science, Coimbatore	Dynamics of localized structures in F = 1 spinor Bose-Einstein condensate: Effects of spin-orbit coupling and rabi coupling
Ms. Adithya L J IISER Trivandrum	Continuous time quantum walks on complex network topologies
Mr. Yuvrajsingh Pravinsingh Patil IISER Trivandrum	Dynamic stability of complex systems using Gershgorin disc theorem
Mr. Athul George IISER Trivandrum	Determination of dynamical exponents of complex systems using machine learning
Ms. Sukruta A. Pethe Ramniranjan Jhunjhunwala College, Mumbai	Nonlinear swaying of Y branch structure
Mr. Avadhut V Purohit Visvesvaraya National Institute of Technology, Nagpur	The study of classical and quantum double kicked top
Mr. Athul Mohan IISER Trivandrum	Machine learning and deep learning approach to detect dynamical states from recurrence plots and recurrence measures
Ms. Soorya PP Amrita Vishwa Vidyapeetham, Coimbatore	Collective dynamics in an ensemble of excitable and self oscillatory neurons: The role of higher-order interactions
Ms. Rakshita Sharma IISER Trivandrum	Effect of phase lag parameter on the swarmalator dynamics
Ms. Madhumitha V SASTRA University, Thanjavur	Soliton pulse compression in self-similarly designed erbium-doped photonic crystal fiber
Mr. Nisarg Vyas IISER Pune	Reservoir computing with quantum kicked top
Ms. Karthiga K SASTRA University, Thanjavur	Effects of dissipation in the anisotropic Dicke model
Mr. Harshit Sharma Visvesvaraya National Institute of Technology, Nagpur	Exact solvability of entanglement for arbitrary initial state in an infinite-range Floquet system

March 12, 2025

POSTER PRESENTATION

Name	Title
Mr. Rohan Kishor Nakade IIT Madras	Reduced order modeling of thermoacoustic systems using mean-field synchronization model
Mr. Logesh K IIT Madras	Multiple dynamical transitions in turbulent annular combustor
Mr. Asutosh Anand Singh IISER Trivandrum	The interplay of dyadic and triadic interactions in frustrated stochastic Kuramoto oscillator system
Mr. Debajyoti Guha IISER Kolkata	Novel method to distinguish between quasiperiodicity and high periodicity
Mr. Kumar Sourav Bennett University	Collective rotation flips in a ring of non-isochronous Stuart-Landau oscillators.
Mr. Adwait A. Kulkarni Ramniranjan Jhunjhunwala College, Mumbai	Understanding swaying motion of trees using nonlinear chimney model with realistic parameters
Mr. Akash Yadav IISER Trivandrum	Disparity-driven heterogeneous nucleation in finite-size adaptive networks
Mr. Karan Singh IISER Trivandrum	Graph coloring framework to mitigating cascading failure in complex networks
Mr. B. Vigneshwar NIT Trichy	Measurement induced enhancement in ergotropy
Mr. Sourav Manna IIT Madras	Entangling power, gate typicality, and measurement-induced phase transitions
Ms. Madhusmita Panda Bennett University	Projective synchronization in nonlinear electrical circuits
Ms. Mamatha K L IIT Hyderabad	Study of propagation dynamics of optical beam in an inhomogeneous nonlocal nonlinear medium
Mr. Vikram V SASTRA University, Thanjavur	Emergence and robustness of solitary states and cluster states in Prey-Predator model
Ms. Bismi I. Anna University, Chennai	Rogue waves in the multi-soliton wave background for the generalized inhomogeneous nonlinear Schrödinger equation
Dr. S.P. Godwin Rajadoss Bishop Heber College, Trichy	Elliptic waves in coupled nonlinear Schrödinger system with four-wave mixing effects