



Department of Mathematics
University of the Punjab
Lahore



Seminar Series (37)
Enforced from June 2023

Sr. No.	Name of Speaker	Date & Day	Title of Presentation
1.	Dr. Zeeshan Yousaf	14-06-2023 (Wednesday)	Welcome speech
2.	Sidra Iftikhar		Quantum computational algorithms with applications
3.	Arfan Anjum		Multi qubits teleportation
4.	Saba Hameed	21-06-2023 (Wednesday)	Hybrid quantum algorithm with applications
5.	Tahira Jamal		Propagation of velocity profile of unsteady magnetohydrodynamics flow between two orthogonal moving porous discs
6.	Sana Rashid		Cracking and stability of polytropic models
7.	Abdul Ghafar Shah	22-06-2023 (Thursday)	Connectivity in cubic fuzzy graph
8.	Samee Ullah		Bridges in cubic fuzzy graphs
9.	Zulqarnain Yousaf Dar		Zagreb index of q-rung orthopair fuzzy graph operations and their bounds
10.	Iffat Bano	05-07-2023 (Wednesday)	Analytical investigation and graphical simulations for the solitary wave behavior of Chaffee-Infante equation
11.	Muhammad Irfan		Exact wave solutions of thin-film ferroelectric material equation
12.	Mavra Farrukh		Solitons and other solutions of integrable Manakov system
13.	Rimsha Latif		Exact traveling wave solutions of (2+1)-dimensional extended Calogero-Bogoyavlenskii-Schiff equation
14.	Muhammad Awais Raza	06-07-2023 (Thursday)	Distance-degree based topological indices for some Benzenoid systems
15.	Abid Ali		Construction and topological properties of a novel Lie group: representations and isomorphism with $SO(2, 1)$
16.	Zainab Akram		A hybrid framework for fuzzy rough-MARCOS method
17.	Ayesha Shareef		Directed pythagorean fuzzy incidence graphs
18.	Sobia Ikhlq	06-07-2023 (Thursday)	Zagreb energy of spherical fuzzy graph
19.	Adeena Khan		Solutions of (3+1)-dimensional extended quantum Nonlinear Zakharov-Kuznetsov equation using the Generalized Kudryashov method and the Modified Khater method
20.	Hira Shadab		New traveling wave solutions for generalized Sasa-Satsuma equation via two integrating techniques



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21.	Muhammad Bilal	07-07-2023 (Friday)	Bipolar fuzzy solution of the bipolar fuzzy heat equation
22.	Muhammad Yousuf		Analytical solution of the pythagorean fuzzy wave equation
23.	Sidra Qayyum		Study of Sutterby nanofluid flow over a Riga plate
24.	Sidra Shafique		Investigation of blood flow through multiple Stenosed elliptical artery
25.	Yasir Ramzan		Mathematical modeling and optimal control for Lassa fever
26.	Andleeb ul Nabi	10-07-2023 (Monday)	Soliton solutions of thin-film ferroelectric material
27.	Rabia Nawaz		SEIR Model for transmission of COVID-19
28.	Zubair Ali		ENSO prediction with machine learning a non linear approach
29.	Mehwish		Spherical fuzzy rough numbers
30.	Sadaf Zahid	11-07-2023 (Tuesday)	Pythagorean fuzzy rough numbers
31.	Beenish Rani		A variety of new rogue wave patterns for three coupled nonlinear Maccari's equation in complex form
32.	Ali Raza		Numerical analysis of covid-19 disease model: Insights from Atangana-Baleanu fractional derivative.
33.	Syeda Sarwat Kazmi		Dynamical behavior and soliton solutions of Landau-Ginzburg-Higgs equation
34.	Muhammad Abdaal Bin Iqbal		Analytical wave solutions of two nonlinear evolution equations arising in mathematical physics
35.	Ejaz Hussain	12-07-2023 (Wednesday)	Optical solitons and other Solutions of cubic-quartic Fokas-Lenells equation
36.	Muhammad Zubair Raza		Solutions of modified nonlinear Schrödinger equation using two analytical techniques
37.	Asad Rafique		Pseudo-Euclidean Space: construction and geometric analysis of (p, q) -Bernstein Bezier surfaces
38.	Ansa Samer		Geometric characteristics of (p, q) -Bernstein Bezier Surfaces
39.	Maham Ilyas		Investigating compact stars with alternative gravity theories
40.	Zia Ul Rehman	13-07-2023 (Thursday)	Machine learning algorithms and ENSO
41.	Asad Ur Rehman		TBA
42.	Aneela	02-08-2023	Graphs and their spectral characteristics



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43.	Ghulam Muhammad	09-08-2023 (Wednesday)	Incommensurate non-homogeneous system of fuzzy linear fractional differential equations using the fuzzy bunch of real functions
44.	Sufyan Asif	16-08-2023 (Wednesday)	Families of graphs and metric dimension
45.	Sobia Khalid	23-08-2023 (Wednesday)	Cell division and pantograph equation
46.	Prof. Dr. Muhamad Akram	23-08-2023 (Wednesday)	Closing speech

Note: The above-mentioned seminars will be held at 1400 hours in the Department of Mathematics, University of the Punjab, Lahore. All faculty members and research scholars (MPhil/PhD) are invited to attend these seminars.

Dr. Zeeshan Yousaf
Coordinator
Departmental Seminar Series

Prof. Dr. Muhammad Akram
Chairman