



Department of Mathematics
University of the Punjab
Lahore



Seminar Series (30)
December 2019 – May 2020

Sr. No.	Name of the Speaker	Date	Title of the Presentation
1	Ms. Ayesha Razzaq	11-12-2019	Fuzzy Parameterized N-Soft Set Based Aggregation Operator to MCGDM
	Hafiz Muhammad Athar Farid		q-ROF Hybrid Weighted Arithmetic Geometric Aggregation Operators for Decision-Making in CNC Machine
2	Ms. Asma Ehsan	18-12-2019	An Enhanced Mathematical Approach for Prediction of Hydroxylated Site in Proline
	Ms. Shumaiza		Group Decision-Making Based on the Bipolar Fuzzy VIKOR Method
	Mr. Nawazish Ali		Pythagorean Fuzzy Soft Rough Sets with Multi-Criteria Decision Making
3	Mr. Asif Abd ur Rehman	01-01-2020	New Digraphs over Number Theoretic Multiplicative Sigma Function
	Mr. Shahbaz Ali		New Classes of Integers
	Mr. Muhammad Haris Mateen		Some Characterization of Power Digraphs
4	Mr. Faisal Javed	08-01-2020	Stability of Einstein-Power-Maxwell (2+1)-Dimensional Wormholes
	Ms. Anam Luqman		Risk Evaluation in FMEA using PF Digraph and Matrix Approach
5	Ms. Sadia Sehar	15-01-2020	On Mixed Metric Dimension of Graphs
	Ms. Javeria Ibrahim		On Lower Bonds of Locating Total Dominating Set of Graphs
	Ms. Javaria Hanif		On Lower Bond of Locating Total Dominating Set of Graphs
6	Ms. Ayesha Khan	22-01-2020	Complex Pythagorean Fuzzy Aggregation Operators
	Ms. Gulfam Shahzadi		Pythagorean Fuzzy Soft Graphs with Applications
	Ms. Asma Ehsan		Analysis of Iron-Sulfur Binding Sites in Protein Using In-Silico Methodology Via Mathematical Modelling
7	Mr. Mukhtar Hussain	29-01-2020	Low Rank Estimation for Image Denoising using Fractional Order Based Similarity Measure
	Mr. Rana M. Bakhtawar Khan Sajawal		Multi-scale Non-local Mean Algorithm Using Fractional Order Gradient Patches
8	Ms. Iqra Zainab	12-02-2020	Dark Peakon, Kink and Periodic Solutions of the Nonlinear Biswas-Milovic Equation with Kerr Law Nonlinearity
	Syeda Rijaa Gillani		Traveling Wave Solutions of (2+1)-dimensional Breaking Soliton Equation by Novel Strategies
	Ms. Maria Sarfraz		Traveling Wave Solutions for Complex Ginzburg-Landau Equation with Kerr Law Nonlinearity
9	Ms. Amal Majid	19-02-2020	Compact Stars with MIT Bag Model in Massive Brans-Dicke Gravity
	Ms. Aroob Naeem		Study of Compact Stars in $f(G,T)$ Gravity
10	Ms. Aqsa Arif	26-02-2020	Soliton Solutions for Higher-Order Schrödinger Equation and Kudryashov's Equation by Extended $\frac{G'}{G^2}$ -Expansion Method
	Mr. Muhammad Adnan		Adaptive Median Based Non-Local Low Rank Approximation for Mixed Noise Removal

11	Ms. Zunaira Akhtar	04-03-2020	Thermodynamics of Charged Rotating Black Holes
	Ms. Komal Ashraf		Linearized Stability of Thin-Shell Surrounded a Wormhole Geometry
12	Mr. Muhammad Ali Iftikhar	11-03-2020	Methods to Solve Bipolar Fuzzy Linear System
	Mr. Muhammad Gulfam		Bipolar Neutrosophic Dombi Prioritized Aggregation Operators for Multi-Criteria Decision Making.
	Ms. Saba Siddique		Complex Fuzzy Graphs
13	Ms. Komal Hassan	18-03-2020	Tendency towards Complexity Factor through Structure Scalars in Static Self-gravitating Fluids
	Ms. Hamna Asad		The Mathematical and Graphical Formulation of Celestial Objects
	Ms. Ammara Khadim		Influence of Modified Gravity on the Existence of Spherical Stars
14	Mr. Muhammad Usman	25-03-2020	Flow Analysis of Nanofluid Via a Porous Channel using Homotopy Analysis Method
	Mr. Muhammad Hamza Rafiq		Extraction of Traveling Wave Solutions Using Unified Method
	Mr. Safdar Abbas		Optical Dark and Singular Solitons with Ginzburg-Landau Equation by Modified Simple Equations Method
15	Mr. Atteeq Ur Rehman	01-04-2020	Gravastars in Modified Gravity
	Mr. Muhammad Yousaf		Dynamical Instability of Axially Symmetric Celestial Objects in Modified Gravity
	Mr. Tayyab Naseer		Measure of Complexity for Self-gravitating Spherically Symmetric Matter Distribution in $f(R, T, Q)$ Gravity
16	Ms. Iffat Arshad	08-04-2020	C-Bezier Fractal Interpolation Function
	Ms. Sana Ali		Numerical Solution of Partial Differential Equations using Haar Wavelet
	Ms. Madiha Waheed		Visualization of 3D Data
17	Ms. Tahira Jamal	15-04-2020	Scattered Data Interpolation
	Ms. Ayesha Noreen		Cubic Hermite Interpolation with Minimal Derivative Oscillation
18	Ms. Ayesha Bashir	22-04-2020	Complex Fuzzy Aggregation Operators
	Ms. Kiran Zahid		Complex Pythagorean Fuzzy VIKOR Method
	Ms. Aqsa Sattar		Complex Intuitionistic Fuzzy Competition Graphs
19	Ms. Sana Abid	29-04-2020	MHD Oblique Stagnation Point Flow of Non-Newtonian Fluid over an Oscillatory Stretching Sheet
	Ms. Mashal Aziz		Some Study of Second Grade Fluid over an Oscillatory Stretching Surface with Slip Effects
20	Ms. Amna Ramzan	06-05-2020	Anisotropic Compact Stellar Objects in $f(G)$ Gravity
	Ms. Sana Saleem		Anisotropic Perturbations and Stability of the Einstein Universe in $f(R)$ Gravity
21	Ms. Sidra Yousaf	13-05-2020	Some New Probabilistic Graphs
	Ms. Qanitah Ama-Tul-Mughani		Anisotropic Spherical Solutions through Extended Gravitational Decoupling Approach
22	Dr. Muhammad Riaz	20-05-2020	Linear Diophantine Fuzzy Set

Note: The above-mentioned seminars will be held at 1500 hours at Department of Mathematics, University of the Punjab, Lahore. All the faculty members and research scholars (MPhil/PhD) are invited to these seminars.

Dr. Zeeshan Yousaf
Coordinator Departmental Seminar Series
December 10, 2019

Prof. Dr. Malik Zawwar Hussain
Chairman