



GAUS RESEARCH LAURELS

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ANNUAL REPORT

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RESEARCH



INNOVATION



COLLABORATION



IMPACT

Sr. No.	Faculty	Department	Name of Author	Title of Research Publication	Journal Name, Volume (Issue)
1	Science	Social Science	Dr. Imtiaz Ahmed	INFERTILITY AND USE OF MODERN REPRODUCTIVE TECHNOLOGIES: ISLAMIC PERSPECTIVE	Pakistan Journal of Social Research/ Vol. 4 (2)
2	Science	Social Science	Dr. Imtiaz Ahmed	Individual and Communal Character Building, Woman, Responsibilities: Gender Study in Light of Prophetic Biography	Al-Qantara/ Vol. 8 (2)
3	Science	Social Science	Dr. Imtiaz Ahmed	The Principles of The Betterment of a Society in The Perspective of The Holy Prophet's Characterization (Seerat-Ul-Nabi (PBUH)	Journal of Positive School Psychology/ vol. 6 (10)
4	Science	Mathematics	Akbar Azam	A fixed-point result of weakly contractive operators in generalized metric spaces	AIMS Mathematics Vol 7 (9)
5	Science	Mathematics	Akbar Azam	Hybrid Fuzzy Contraction Theorems with Their Role in Integral Inclusions	Axioms Vol. 11(11)
6	Science	Mathematics	Shafqat-Ur-Rehaman	Highly dispersive optical and other soliton solutions to fiber Bragg gratings with the application of different mechanisms	International journal of modern physics B Vol. 36 (28)
7	Science	Mathematics	Akbar Azam	On Coincidence Theorem in Intuitionistic Fuzzy b-Metric Spaces with Application	Journal of Function Spaces Vol. 2022(1)
8	Science	Mathematics	Akbar Azam	Fuzzy fixed point theorems and Ulam-Hyers stability of fuzzy set-valued maps	Mathematica Slovaca vol. 72 (2)
9	Science	Mathematics	Aniqa Zulfiqar	Wave Propagations in Nonlinear Low-Pass Electrical Transmission Lines through Optical Fiber Medium	Mathematical Problems in Engineering Vol. 2022(1)
10	Science	Mathematics		A Fixed Point Approach to Lattice Fuzzy Set via F-Contraction	Mathematics Vol. 10(19)
11	Science	Mathematics	Shafqat-Ur-Rehaman	Analysis in fiber Bragg gratings with Kerr law nonlinearity for diverse optical soliton solutions by reliable analytical techniques	Modern Physics Letters B Vol. 36 (23)
12	Science	Mathematics	Akbar Azam	New Techniques for Solutions of Fuzzy Volterra Integral Equations via Soft Set-Valued Maps	New Mathematics and Natural Computation Vol. 19 (2)
13	Science	Mathematics	Aniqa Zulfiqar	Dynamics of new optical solutions of fractional perturbed Schrödinger equation with Kerr law nonlinearity using a mathematical method	Optical and Quantum Electronics Vol. 54 (3)
14	Science	Mathematics	Aniqa Zulfiqar	Analysis of some new wave solutions of fractional order generalized Pochhammer-chree equation using exp function method	Optical and Quantum Electronics Vol. 54 (11)
15	Science	Mathematics	Aniqa Zulfiqar	Dynamics of new optical solutions for nonlinear equations via a novel analytical technique	Optical and Quantum Electronics Vol. 54 (8)
16	Science	Mathematics	Shafqat-Ur-Rehaman	Investigation of pure-cubic optical solitons in nonlinear optics	Optical and Quantum Electronics Vol. 54 (7)

17	Science	Mathematics	Shafqat-Ur-Rehaman	Dynamics of optical and multiple lump solutions to fractional coupled nonlinear Schrödinger equation	Optical and Quantum Electronics Vol. 54 (10)
18	Science	Mathematics	Shafqat-Ur-Rehaman	Dispersive solitary wave solutions for the dynamical soliton model by three versatile analytical mathematical methods	The European Physical Journal Plus Vol. 137 (6)
19	Science	Computer science	Dr. Sardar Usman	Data Yity in High Performance Computing, Big Data, and Converged Systems: An Analysis of the Cutting Edge and a Future System Architecture	Electronics Vol. 12(1)
20	Science	Computer science	Dr. Sardar Usman	AAQAL: A Machine Learning-Based Tool for Performance Optimization of Parallel SPMV Computations Using Block CSR	Applied Sciences Vol. 12 (14)
21	Science	Computer science	Dr. Sardar Usman	Comparative Analysis of Machine Learning Techniques for Predicting Air Pollution	LGU Research Journal of Computer Science and Information Technology, Vol 6 (2)