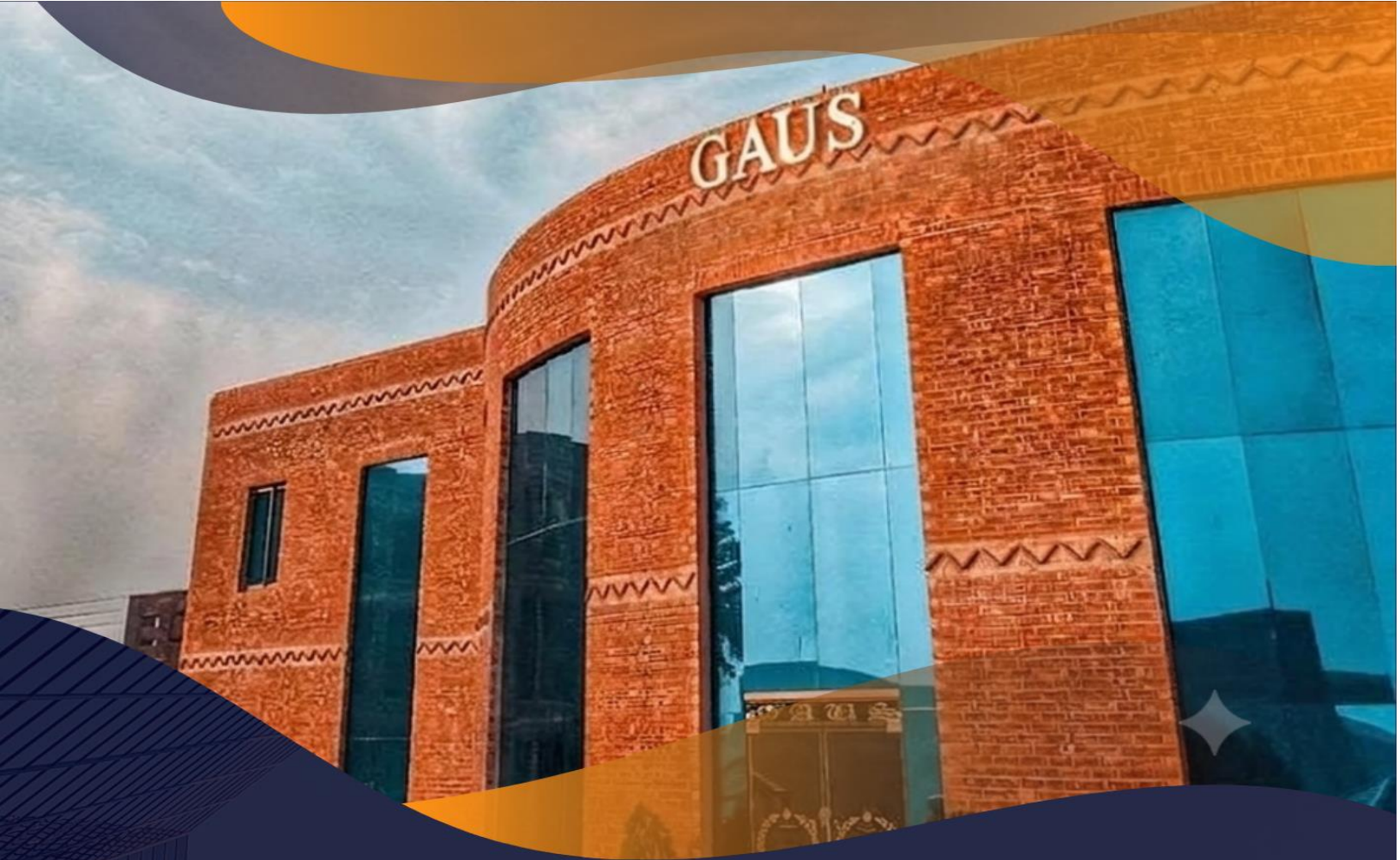




GAUS **RESEARCH** **LAURELS** **2023**



Sr. No.	Faculty	Department	Name of Author	Title of Research Publication	Journal Name, Volume (Issue)
1	Engineering	Mechanical Eng.	Engr. Nadeem Iqbal	Futuristic Feasibility Analysis and Modelling of a Solar-Biomass On-grid Hybrid System for Hattar Industrial Estate Phase (VII), Pakistan	Cleaner Energy Systems/ Vol. 4 (1)
2	Engineering	Civil Engineering	Abdul Muqeet Shah	Structural Performance of Waste Plastic Bottles Modified Asphalt: A Review	Resources Vol. 12 (1)
3	Pharmacy	Pharmacy	Prof. Dr. Sherjeel Adnan	Biopolymer based film loaded with Cholecalciferol: A novel technique to enhance nutritional supplement absorbance.	Pakistan Journal of Pharmaceutical Sciences / vol. 36 (5)
4	Pharmacy	Pharmacy	Prof. Dr. Sherjeel Adnan	An evaluation of spectral and statistical parameters of ion pair complexation of Zafirlukast using chromogenic dyes in solid dispersion-based formulations	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy/ Voli. 302 (1)
5	Pharmacy	Pharmacy	Prof. Dr. Sherjeel Adnan	Anti-diarrheal, antipyretic and phytochemical investigation of methanolic extract of ficus lyrata leaves	Pakistan Journal of Pharmaceutical Sciences / vol. 36 (1)
6	Pharmacy	Pharmacy	Asad Hamad	Highly sensitive fluorescent probes for selective detection of hypochlorite: Applications in blood serum and cell imaging	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy/ vol. 294 (3)
7	Pharmacy	Pharmacy	Asad Hamad	Ratiometric and colorimetric probes with large stokes shift for sensing of exogenous hypochlorite in potato sprouts and industrial effluents	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy/ vol. 290 (1)
8	Pharmacy	Pharmacy	Asad Hamad	Synthesis, kinetic studies and in-silico investigations of novel quinolinyl-iminothiazolines as alkaline phosphatase inhibitors	J Enzyme Inhib Med Chem vol. 38 (1)
9	Science	Social Science	Muhammad Iqbal Butt	An investigation of deictic expressions in the selected poems of Sylvia Plath	KASHMIR JOURNAL OF LANGUAGE RESEARCH/ Vol. 26 (1)
10	Science	Social Science	Dr. Imtiaz Ahmed	Diexis as an Index of Style: A Descriptive Study of Train to Pakistan by Singh and its Urdu Translation by Ahmad	Journal of Positive School Psychology/ Vol 7 (1)
11	Science	Social Science	Dr. Imtiaz Ahmed	Exploring the Quranic Paradigms for the Advancement of Peace in Society: A Theoretical Analysis,	Al-Qantara/ Vol. 9 (1)
12	Science	Social Science	Dr. Imtiaz Ahmed	Comparative study of human rights in Islamic and west laws (An analytical study)	Central European Management Journal/ Vol. 31 (2)
13	Science	Social Science	Dr. Imtiaz Ahmed	The Juridical Contribution of the Federal Sharī'at Court (Fsc) In the Islamization of Laws in The Juridical Contribution of the Federal Sharī'at Court (Fsc) In the Islamization of Laws in Pakistan: A Study of Leading Cases	Al-Qantara Vol. 9 (4)
14	Science	Mathematics	Akbar Azam	Existence results of certain nonlinear polynomial and integral equations via z-contractive operator	AIMS Mathematics Vol. 8 (12)
15	Science	Mathematics	Akbar Azam	Fixed-Point Convergence of Multi-Valued Non-Expansive Mappings with Applications	Axioms Vol. 12(11)

16	Science	Mathematics	Akbar Azam	Fixed point of Hardy-Rogers-type contractions on metric spaces with graph	Electronic Research Archive Vol. 31 (2)
17	Science	Mathematics	Akbar Azam	On Interpolative fuzzy contractions with applications	Filomat Vol. 37(1)
18	Science	Mathematics	Akbar Azam	Existence Results for Nonlinear Fractional Differential Inclusions via q-ROF Fixed Point	Fractal and Fractional Vol. 7(1)
19	Science	Mathematics	Akbar Azam	Exploring Integral F-Contractions with Applications to Integral Equations and Fractional BVPs	Fractal and Fractional Vol. 7(12)
20	Science	Mathematics	Shafqat-Ur-Rehaman	Stability analysis and novel optical pulses to KunduMukherjee-Naskar model in birefringent fibers	International Journal of Modern Physics B Vol. 38(15)
21	Science	Mathematics	Akbar Azam	Reich–Krasnoselskii-type fixed point results with applications in integral equations	Journal of Inequalities and Applications Vol. 1 (131)
22	Science	Mathematics	Akbar Azam	Common Fixed Point Results for Intuitionistic Fuzzy Hybrid Contractions with Related Applications	Journal of Mathematics Vol. 2023 (n/a)
23	Science	Mathematics	Akbar Azam	Hybrid Fixed Point Theorems of Fuzzy Soft Set-Valued Maps with Applications in Integral Inclusions and Decision Making	Mathematics Vol. 11(6)
24	Science	Mathematics	Akbar Azam	A Comprehensive Study on Advancement in Hybrid Contraction and Graphical Analysis of $\mathbb{E}$ -Fuzzy Fixed Points with Application	Mathematics vol. 11(21)
25	Science	Mathematics	Aniqa Zulfiqar	Solitonic solutions of two variants of nonlinear Schrödinger model by using exponential function method	Optical and Quantum Electronics Vol. 55 (7)
26	Science	Mathematics	Shafqat-Ur-Rehaman	Dynamics of soliton solutions in optical fibers modelled by perturbed nonlinear Schrödinger equation and stability analysis	Optical and Quantum Electronics, Vol. 55 (5)
27	Science	Mathematics	Shafqat-Ur-Rehaman	Diverse optical solitons to nonlinear perturbed Schrödinger equation with quadratic-cubic nonlinearity via two efficient approaches	Physica Scripta, Vol. 98 (3)
28	Science	Mathematics	Akbar Azam	Fixed Point Theorems for F-Contractive Type Fuzzy Mapping in G-Metric Spaces	Thai Journal of Mathematics, Vol 20 (4)
29	Science	Chemistry	Mazloom Shah	Escherichia coli-assisted synthesis of AgFeO ₂ nanoparticles for antimicrobial, photocatalytic and hydrogen generation applications,	Materials Chemistry and Physics/ vol. ()
30	Science	Chemistry	Mazloom Shah	Optimization of deposition conditions of SrZrS ₃ perovskite thin films grown by chemical bath deposition method,	Journal of Electronics Materials, Vol. 53 (9)
31	Science	Chemistry	Mazloom Shah	Synthesis, molecular docking and ADMET studies of bis-benzimidazole based thiadiazole derivatives as potent inhibitors, in vitro α -amylase and α -glucosidase,	Arabian Journal of Chemistry, Vol. 16 (7)
32	Science	Chemistry	Mazloom Shah	Recent developments in natural biopolymer based drug delivery systems	RSC Advances, Vol. 13 (33)
33	Science	Chemistry	Mazloom Shah	Investigation of novel bis-thiadiazole bearing Schiff base derivatives as potent inhibitors of thymidine phosphorylase:	Saudi Pharmaceutical Journal, 16 pp 101823

				synthesis, in vitro bioactivity and molecular docking study	
34	Science	Chemistry	Mazloom Shah	Optimization of deposition conditions of srzrs3 perovskite thin films grown by chemical bath deposition method,	Journal of Electronics Materials, Vol. 10 , pp 10825
35	Science	Chemistry	Muhammad AdeelAsghar	Adsorption and anticorrosion studies of newly designed Schiff bases for the protection of EN3B mild steel in 3.5% NaCl solution: A combined experimental and theoretical approach	Journal of Molecular Liquids, Volume 388, pp 122776
36	Science	Chemistry	Muhammad AdeelAsghar	Electrochemical sensing of glucose and ascorbic acid via POM-based CNTs fiber electrode	Materials Science and Engineering: B, Volume 293, pp 116446
37	Science	Chemistry	Muhammad AdeelAsghar	Electrochemical synthesis of Co-, Ni- and NiCo-based hexacyanocobaltates as efficient electrocatalysts for water oxidation studies	Inorganic Chemistry Communications, Volume 154, pp 110916
38	Science	Computer science	Dr. Sardar Usman	A Predictive Analysis of Retail Sales Forecasting using Machine Learning Techniques	LGU Research Journal of Computer Science and Information Technology, Vol 6 (4)
39	Science	Computer science	Dr. Sardar Usman	Empirical analysis of software success rate forecasting during requirement engineering processes	Computers, Materials & Continua, Vol vol.74 (1)
40	Science	Computer science	Dr. Sardar Usman	Cyber Security Challenges in Blockchain based Social Media Networks: A Review.	The 18th Asia Pacific International Conference on Information Science and Technology (APIC-IST)
41	Science	Computer science	Tanvir Ahmed	Design Patterns in software architecture a breakthrough in productivity	The 11th In Traders International Conference on Social Sciences and Education