



Report of GOAL 9: Industry, Innovation and Infrastructure



Balochistan University of Information Technology, Engineering and Management Sciences has given a new vision and a distinct meaning to education and Research. Its guidelines for academic achievements are consistent with renowned institutions of the world. At BUITEMS, we are a community of professionals committed to preparing the leaders of tomorrow.

The foundations of Balochistan University of Information Technology, Engineering & Management Sciences are laid on the sound principles of excellence in academic standards, equity, equality, sincerity of purpose, and the vision for the future. BUITEMS has been declared as the Global Hub for Sustainable Development Goal 8 i.e., for Decent Work and Economic Growth by the United Nations Academic Impact.

At BUITEMS, we included this SDG in our curriculum with the focus of meaningful contribution to United Nations as a responsible Academic Institution of Pakistan.

Moreover, the research contribution of this specific SDG is as follows:

S. No.	Name	Department	Faculty	Title	Online Link
1.	Dr. Gulfam Nasar	Chemistry	FSS&H	Structural, magnetic and dielectric properties of Dy-Co substituted Sr-Ba-Mg-based magnetic oxides. Applied Physics A. 127:872	https://link.springer.com/article/10.1007/s00339-021-05015-5
2.	Dr. Hamid Ullah	Chemistry	FBS	Three New Compounds Isolated from Bauhinia variegata Plant. Pharmaceutical Chemistry Journal. 55 (1):76-80.	https://link.springer.com/article/10.1007/s11094-021-02375-3

3.	Dr. Muhammad Nawaz	Chemistry	FBS	Design Ag-doped ZnO heterostructure photocatalyst with sulfurized graphitic C ₃ N ₄ showing enhanced photocatalytic activity. Materials Science & Engineering B. 272: 115320	https://www.sciencedirect.com/science/article/abs/pii/S0921510721002804
4.	Dr. Muhammad Nawaz	Chemistry	FBS	Critical role of the heterojunction interface of silver decorated ZnO nanocomposite with sulfurized graphitic carbon nitride heterostructure materials for photocatalytic applications. Journal of Alloys and Compounds. 858: 158338.	https://www.sciencedirect.com/science/article/abs/pii/S0925838820347010
5.	Dr. Hamid Ullah	Chemistry	FBS	Synthesis, characterization, and computational study of copper bipyridine complex [Cu (C ₁₈ H ₂₄ N ₂)(NO ₃) ₂] to explore its functional properties. Zeitschrift für Naturforschung C.	https://www.degruyter.com/document/doi/10.1515/znc-2021-0248/html?lang=de
6.	Dr. Mujtaba Elahi	Chemistry	FBS	Preparation of silver nanoparticles (AgNPs)-doped epoxy-based thin PDLC films (smart glass). Polymer Bulletin. 1-19	https://link.springer.com/article/10.1007/s00289-021-03670-5
7.	Dr. Muhammad Raheel	Chemistry	FBS	Facile Synthesis of Novel Fluorescent Thiazole Coumarinyl Compounds: Electrochemical, Time Resolve Fluorescence, and Solvatochromic Study. Journal of Molecular Structure	Facile Synthesis of Novel Fluorescent Thiazole Coumarinyl Compounds: Electrochemical, Time Resolve Fluorescence, and Solvatochromic Study. Journal of Molecular Structure
8.	Dr. Muhammad Raheel	Chemistry	FBS	The Effect of Ni-Doped ZnO NPs on the Antibacterial Activity and Degradation Rate of Polyacrylic Acid-Modified Starch Nanocomposite. JOM. 73: 380-386,	https://link.springer.com/article/10.1007/s11837-020-04490-0

9.	Dr. Muhammad Raheel	Chemistry	FBS	Synthesis and modification of silica-based epoxy nanocomposites with different sol-gel process enhanced thermal and mechanical properties. Journal of Applied Polymer Science. 51191.	https://onlinelibrary.wiley.com/doi/full/10.1002/app.51191
10.	Dr. Muhammad Raheel	Chemistry	FBS	Hybrid material for the fabrication of electron transport layer in perovskite solar cell, Polymer Bulletin. https://doi.org/10.1007/s00289-021-03904-6	https://link.springer.com/article/10.1007/s00289-021-03904-6
11.	Dr. Aziza Sarwar	Chemistry	FBS	Iron(III) and Zinc(II) Metal Alkaloid Complexes: Synthesis, Characterization and Biological Activities. Malaysian Journal of Chemistry. 23(3): 55-73.	https://www.researchgate.net/profile/Bushra-Naureen-2/publication/354583073_IronIII_and_ZincII_Metal_Alkaloid_Complexes_Synthesis_Characterization_and_Biological_Activities/links/6140cd3eea4a800110458e0/IronIII-and-ZincII-Metal-Alkaloid-Complexes-Synthesis-Characterization-and-Biological-Activities.pdf
12.	Dr. Aziza Sarwar	Chemistry	FBS	Dual emissive dinuclear Iridium (III) azomethine complexes: Synthesis, luminescence, thermal stability and antibacterial studies. Journal of Luminescence. 233:117861.	https://www.sciencedirect.com/science/article/abs/pii/S0022231320318287
13.	Dr. Aziza Sarwar	Chemistry	FBS	Iron (III) and zinc (II) monodentate Schiff base metal complexes: Synthesis, characterisation and biological activities. Journal of Molecular Structure	https://www.sciencedirect.com/science/article/abs/pii/S0022286021000776
14.	Dr. Mohib Ullah	Chemistry	FBS	Highly Porous Cryogels Loaded with Bimetallic Nanoparticles as an Efficient Antimicrobial Agent and Catalyst for Rapid Reduction of Water-Soluble Organic Contaminant. Journal of Environmental and Chemical Engineering. 106510	https://www.sciencedirect.com/science/article/abs/pii/S2213343721014871

15.	Dr. Mohib Ullah	Chemistry	FBS	Formulation of zwitter-ionic terpolymeric hydrogels and their comprehensive rheological. Journal of Dispersion Science and Technology. 1-11	https://www.tandfonline.com/doi/full/10.1080/01932691.2021.2021090
16.	Dr. Nisar Ahmed	Physics	FBS	Assessment of health hazards related to contaminations of fluorides, nitrates, and nitrites in drinking water of Vehari, Punjab, Pakistan. Human and Ecological Risk Assessment: An International Journal. 27(6):1509-1522	https://www.tandfonline.com/doi/full/10.1080/10807039.2020.1858021
17.	Dr. Javed Rehman	Physics	FBS	2D SnC sheet with a small strain is a promising Li host material for Li-ion batteries. Materials Today Communications. 26:101768	https://www.sciencedirect.com/science/article/abs/pii/S2352492820327793
18.	Dr. Zaheer Abbas Gilani	Physics	FBS	Structural, dielectric, impedance, and electric modulus properties of Cu ²⁺ -substituted Cu _x Mn _{1-x} Fe ₂ O ₄ spinel ferrites nanoparticles. Journal of Materials Science: Materials in Electronics. 32 (3):2832-2844	https://link.springer.com/article/10.1007/s10854-020-05036-5
19.	Dr. H.M Noor ul Huda Asghar	Physics	FBS	Turning the dielectric and structural properties of erbium substitution on cobalt ferrites. Journal of Ovonic Research. 17 (4):383-394	https://chalcogen.ro/383_AsgarHMNHK.pdf
20.	Dr. Zaheer Abbas Gilani	Physics	FBS	Structural, morphological study of neodymium substituted cobalt zinc ferrites nanoparticles synthesized via co-precipitation method. Journal of Ovonic Research.17(1):89-98	https://chalcogen.ro/89_ShifaMS.pdf
21.	Dr. Zaheer Abbas Gilani	Physics	FBS	Aluminum Substitution in Ni-Co Based Spinel Ferrite Nanoparticles by Sol-Gel Auto-Combustion Method. Journal of Electronic Materials.50 (6):3302-3311.	https://link.springer.com/article/10.1007/s11664-021-08819-6

22.	Dr. Zaheer Abbas Gilani	Physics	FBS	Effects of heat treatment on the structural, spectral, morphological, dielectric, and magnetic properties of Ba _{0.5} Sr _{0.1} Zn _{0.4} Fe ₁₂ O ₁₉ ferrite. Ceramics International. 47 (17):24817-24822.	https://www.sciencedirect.com/science/article/pii/S0272884221016072
23.	Dr. Javed Rehman	Physics	FBS	First principles predictions of Na and K storage in layered SnSe ₂ . Applied Surface Science. 566:150522.	https://www.sciencedirect.com/science/article/abs/pii/S0169433221015920
24.	Dr. Javed Rehman	Physics	FBS	Potential anodic applications of 2D MoS ₂ for K-ion batteries. Journal of Alloys and Compounds. 865:158782	https://www.sciencedirect.com/science/article/abs/pii/S0925838821001894
25.	Dr. Javed Rehman	Physics	FBS	Lithiation and Sodiation of Hydrogenated Silicene: A Density Functional Theory Investigation. ChemSusChem. 14(24):5460-5469.	https://chemistry-europe.onlinelibrary.wiley.com/doi/abs/10.1002/cssc.202101742
26.	Dr. Zahoor Ullah	Physics	FBS	Activated carbon-alginate beads impregnated with surfactant as sustainable adsorbent for efficient removal of methylene blue. International Journal of Biological Macromolecules. 176. 233-243	https://www.sciencedirect.com/science/article/abs/pii/S0141813021002877
27.	Dr. Farooq Khan	Physics	FBS	Slow light effect in hybrid optomechanical system. (2021). International Journal of Quantum Chemistry. 122: e26814.	https://onlinelibrary.wiley.com/doi/full/10.1002/qua.26814
28.	Ms. Sunial Bakhsh		FBS	Beryllium and Magnesium Metal Clusters: New Globally Stable Structures and G ₀ W ₀ Calculations. The Journal of Physical Chemistry A. 125(7):1424-35	https://pubs.acs.org/doi/abs/10.1021/acs.jpca.0c08960
29.	Ms. Sunial Bakhsh		FBS	Optimally configured gated recurrent unit using hyperband for the long-term forecasting of photovoltaic plant. Renewable Energy Focus. 39:49-58.	https://www.sciencedirect.com/science/article/abs/pii/S1755008421000375

30.	Dr. Naheeda Iftekhhar	Math	FBS	Theoretical investigation for convective heat transfer on Cu/water nanofluid and (SiO ₂ -copper)/water hybrid nanofluid with MHD and nanoparticle shape effects comprising relaxation and contraction phenomenon. International Communications in Heat and Mass Transfer. 120:105012.	https://www.sciencedirect.com/science/article/abs/pii/S0735193320305406
31.	Dr. Hasrat Hussain Shah	Math	FBS	A well-conditioned and efficient Levin method for highly oscillatory integrals with compactly supported radial basis functions. Engineering Analysis with Boundary Elements. 131:51-63	https://www.sciencedirect.com/science/article/abs/pii/S0955799721001697
32.	Dr. Hasrat Hussain Shah	Math	FBS	Quintessence background for 4D Einstein-Gauss-Bonnet black holes. Physics Letters B. 24:136383.	https://link.springer.com/article/10.1140/epjc/s10052-017-5099-8
33.	Dr. Sardar Muhammad Hussain	Math	FBS	Subclasses of Uniform Univalent Functions Associated with Srivastava and Attiya Operator. Symmetry. 13(8):1536	https://www.mdpi.com/2073-8994/13/8/1536
34.	Dr. Farooq Hussain	Math	FBS	Thermal analysis of blood flow of Newtonian, pseudo-plastic, and dilatant fluids through an inclined wavy channel due to metachronal wave of cilia. Advances in Mechanical Engineering. 13 (9):16878140211049060	https://journals.sagepub.com/doi/full/10.1177/16878140211049060

35.	Dr. Farooq Hussain	Math	FBS	Numerical and scale analysis of non-Newtonian fluid (Eyring-Powell) through pseudo-spectral collocation method (PSCM) towards a magnetized stretchable Riga surface. Alexandria Engineering Journal. 60 (2):2127-2137	https://www.sciencedirect.com/science/article/pii/S1110016820306621
36.	Dr. Farooq Hussain	Math	FBS	Combined impacts of heat source/sink, radiative heat flux, temperature dependent thermal conductivity on forced convective Rabinovitch fluid. International Communications in Heat and Mass Transfer. 120:105011.	https://www.sciencedirect.com/science/article/abs/pii/S073519332030539X
37.	Dr. Farooq Hussain	Math	FBS	Two-phase flow of MHD Jeffrey fluid with the suspension of tiny metallic particles incorporated with viscous dissipation and Porous Medium. Advances in Mechanical Engineering 13 (3):16878140211005960	https://journals.sagepub.com/doi/full/10.1177/16878140211005960
38.	Dr. Farooq Hussain	Math	FBS	Thermal analysis of Casson rheological fluid with gold nanoparticles under the impact of gravitational and magnetic forces. Case Studies in Thermal Engineering. 28:101433.	https://journals.sagepub.com/doi/full/10.1177/16878140211049060
39.	Dr. Farooq Hussain	Math	FBS	Simultaneous effects of Brownian motion and thermophoretic force on Eyring-Powell fluid through porous geometry. Zeitschrift für Naturforschung A. 76(7):569-580	https://www.degruyter.com/document/doi/10.1515/zna-2021-0004/html?lang=en
40.	Dr. Farooq Hussain	Math	FBS	Theoretical study of an unsteady ciliary hemodynamic fluid flow subject to the Newton's boundary conditions. Advances in Mechanical Engineering. 13(8):16878140211040462.	https://journals.sagepub.com/doi/full/10.1177/16878140211040462

41.	Dr. Farooq Hussain	Math	FBS	Numerical analysis of multiphase flow of couple stress fluid thermally effected by moving surface. International Journal of Modern Physics B. 35(18):2150188	https://www.worldscientific.com/doi/abs/10.1142/S0217979221501885
42.	Dr. Farooq Hussain	Math	FBS). Multi-phase flow of Jeffrey Fluid bounded within magnetized horizontal surface. Surfaces and Interfaces. 22:100846	https://www.sciencedirect.com/science/article/abs/pii/S2468023020308385
43.	Dr. Farooq Hussain	Math	FBS	Development of mathematical modeling of multi-phase flow of Casson rheological fluid: Theoretical approach. Chaos, Solitons & Fractals. 150:111198.	https://www.sciencedirect.com/science/article/abs/pii/S096007792100552X
44.	Dr. Farooq Hussain	Math	FBS	Mathematical modeling of bio-magnetic fluid bounded within ciliated walls of wavy channel. Numerical Methods for Partial Differential Equations.	https://onlinelibrary.wiley.com/doi/full/10.1002/num.22763
45.	Dr. Farooq Hussain	Math	FBS	Theoretical study of MHD electro-osmotically flow of third-grade fluid in micro channel. Applied Mathematics and Computation. 420:126868	https://www.sciencedirect.com/science/article/abs/pii/S0096300321009516
46.	Dr. Farooq Hussain	Math	FBS	MHD two-phase flow of Jeffrey fluid suspended with Hafnium and crystal particles: Analytical treatment. Numerical Methods for Partial Differential Equations. Volume 2021. 1-20.	https://onlinelibrary.wiley.com/doi/full/10.1002/num.22766
47.	Dr. Farooq Hussain	Math	FBS	A comparative study of MHD fluid-particle suspension induced by metachronal wave under the effects of lubricated walls. International Journal of Modern Physics B. 35 (20):2150204	https://www.worldscientific.com/doi/abs/10.1142/S0217979221502040

48.	Dr. Farooq Hussain	Math	FBS	Perturbation solution of the multiphase flows of third grade dispersions suspended with Hafnium and crystal particles. Surfaces and Interfaces. 22:100803	https://www.sciencedirect.com/science/article/abs/pii/S2468023020307951
49.	Dr. Farooq Hussain	Math	FBS	Theoretical study of electro-osmotic multiphase flow of Jeffrey fluid in a divergent channel with lubricated walls. International Communications in Heat and Mass Transfer. 127:105548	https://www.sciencedirect.com/science/article/abs/pii/S0735193321004413
50.	Dr. Abdul Qadeer Dayo	Chemical Engineering	FOE&A	Curing characteristics, kinetics, and thermal properties of multifunctional fluorene benzoxazines containing hydroxyl groups. Journal of Applied Polymer Science.138(13):50131	https://onlinelibrary.wiley.com/doi/full/10.1002/app.50131
51.	Dr. Azmat Ali Khan	Chemical Engineering	FOE&A	Well-designed 2D/2D Ti3C2TA/R MXene coupled g-C3N4 heterojunction with in-situ growth of anatase/rutile TiO2 nucleates to boost photocatalytic dry-reforming of methane (DRM) for syngas production under visible light. Applied Catalysis B: Environmental	https://www.sciencedirect.com/science/article/abs/pii/S0926337320311942
52.	Dr. Azmat Ali Khan	Chemical Engineering	FOE&A	Titanium carbide (Ti3C2) MXene as a promising co-catalyst for photocatalytic CO2 conversion to energy-efficient fuels: a review. Energy & Fuels. 35(13): 10374-10404	https://pubs.acs.org/doi/abs/10.1021/acs.energyfuels.1c00958
53.	Dr. Kamran Sami	Chemical Engineering	FOE&A	Investigation of Capacitive Deionization; Performance Assessment Based on Operational Parameters and Single-Objective Optimization. Arabian Journal for Science and Engineering. 16:1-3	https://link.springer.com/article/10.1007/s13369-021-05410-3

54.	Dr. Azmat Ali Khan	Chemical Engineering	FOE&A	Synergistic effect of Co/La in oxygen vacancy rich ternary CoAlLa layered double hydroxide with enhanced reductive sites for selective photoreduction of CO ₂ to CH ₄ . Energy & Fuels. 35:(10): 8922-8943.	https://pubs.acs.org/doi/abs/10.1021/acs.energyfuels.1c00671
55.	Dr. Azmat Ali Khan	Chemical Engineering	FOE&A	Synergistic effect of anatase/rutile TiO ₂ with exfoliated Ti ₃ C ₂ TR MXene multilayers composite for enhanced CO ₂ photoreduction via dry and bi-reforming of methane under UV-visible light. Journal of Environmental Chemical Engineering. 9(3):105244	https://www.sciencedirect.com/science/article/abs/pii/S2213343721002219
56.	Dr. Azmat Ali Khan	Chemical Engineering	FOE&A	Construction of an S-Scheme Heterojunction with Oxygen-Vacancy-Rich Trimetallic CoAlLa-LDH Anchored on Titania-Sandwiched Ti ₃ C ₂ Multilayers for Boosting Photocatalytic CO ₂ Reduction under Visible Light. Industrial & Engineering Chemistry Research. 60(45):16201-16223.	https://pubs.acs.org/doi/abs/10.1021/acs.iecr.1c03242
57.	Dr. Azmat Ali Khan	Chemical Engineering	FOE&A	Constructing S-Scheme Heterojunction of CoAlLa-LDH/g-C ₃ N ₄ through Monolayer Ti ₃ C ₂ -MXene to Promote Photocatalytic CO ₂ Re-forming of Methane to Solar Fuels." ACS Applied Energy Materials	https://pubs.acs.org/doi/abs/10.1021/acsaem.1c03266
58.	Dr. Azmat Ali Khan	Chemical Engineering	FOE&A	Constructing S-scheme heterojunction of carbon nitride nanorods (g-CNR) assisted trimetallic CoAlLa LDH nanosheets with electron and holes moderation for boosting photocatalytic CO ₂ reduction under solar energy. Chemical Engineering Journal. 133693	https://www.sciencedirect.com/science/article/abs/pii/S1385894721052670

59.	Dr. Abdul Qadeer Dayo	Chemical Engineering	FOE&A	Synthesis, curing characteristics, and kinetics of tetra-functional fluorene-based benzoxazines having saturated aliphatic groups. Materials Today Communications. 26:101788	https://www.sciencedirect.com/science/article/abs/pii/S2352492820327999
60.	Dr. Abdul Qadeer Dayo	Chemical Engineering	FOE&A	Trifunctional quinoxaline-based maleimide and its polymer alloys with benzoxazine: Synthesis, characterization, and properties. Journal of Applied Polymer Science. 138(3):49694.	https://onlinelibrary.wiley.com/doi/full/10.1002/app.49694
61.	Dr. Kamran Sami	Chemical Engineering	FOE&A	Pinecone particles filled polybenzoxazine composites: Thermomechanical and mechanical properties. Journal of Applied Polymer Science. 138(43): 51279	https://onlinelibrary.wiley.com/doi/full/10.1002/app.51279
62.	Dr. Abdul Qadeer Dayo	Chemical Engineering	FOE&A	Modification of traditional benzoxazine by blending with polyfunctional benzoxazines containing aromatic group and fluorene group. High Performance Polymers. 33(6): 615-22	https://journals.sagepub.com/doi/abs/10.1177/0954008320974089
63.	Dr. Abdul Qadeer Dayo	Chemical Engineering	FOE&A	Synthesis and properties of novel self-catalytic phthalonitrile monomers with aliphatic chain and their copolymerization with multi-functional fluorene-based benzoxazine monomers. European Polymer Journal. 161:110862	https://www.sciencedirect.com/science/article/abs/pii/S0014305721005966
64.	Dr. Asadullah	Chemical Engineering	FOE&A	Elimination of selected heavy metals from aqueous solutions using biochar and bentonite composite monolith in a fixed bed operation. Journal of Environmental Chemical Engineering. 10(1):1-11	https://www.sciencedirect.com/science/article/abs/pii/S2213343721019709

65.	Dr. Faisal Mushtaq	Chemical Engineering	FOE&A	Performance analysis of TiO ₂ -modified Co/MgAl ₂ O ₄ catalyst for dry reforming of methane in a fixed bed reactor for syngas (H ₂ , CO) production. Energies. 14(11): 3347	https://www.mdpi.com/1996-1073/14/11/3347
66.	Dr. Faisal Mushtaq	Chemical Engineering	FOE&A	Desulfurization of Mach Coal of Balochistan by Leaching Method. Journal of Applied and Emerging Sciences. 11: 63-67	http://journal.buitms.edu.pk/j/index.php/bj/article/view/438
67.	Dr. Ghulamullah Kakar	Chemical Engineering	FOE&A	Facile Synthesis of High-Quality Nano-Size 10B-Enriched Fibers of Hexagonal Boron Nitride. Crystals	https://www.mdpi.com/2073-4352/11/3/222
68.	Mohammad Siddique	Chemical Engineering	FOE&A	An Overview of Recent Advances and Novel Synthetic Approaches for Lignocellulosic derived Biofuels. Jurnal Kejuruteraan 33(2):165-173.	https://www.ukm.my/jkukm/wp-content/uploads/2021/3302/01.pdf
69.	Mohammad Siddique	Chemical Engineering	FOE&A	Potential Investigation on Multiphase Flow of Loaded Dispersion for the Production of Metallized Paper: Investigation on Multiphase Flow of Loaded Dispersion." Proceedings of the Pakistan Academy of Sciences: A. Physical and Computational Sciences. 58:1-16	https://ppaspk.org/index.php/PPAS-A/article/view/506
70.	Dr. Zahid Naeem Qaisrani	Chemical Engineering	FOE&A	Analysis of Debris Flow in Kedayan River of Brunei Darussalam. Journal of Applied and Emerging Sciences. 11: 137-140.	http://journal.buitms.edu.pk/j/index.php/bj/article/view/426
71.	Dr. Muhammad Amin	Chemical Engineering	FOE&A	Potential application of Allium Cepa seeds as a novel biosorbent for efficient biosorption of heavy metals ions from aqueous solution. Chemosphere. 279:130545	https://www.sciencedirect.com/science/article/abs/pii/S004565352101016X

72.	Dr. Syed Haseeb Sultan	Chemical Engineering	FOE&A	Physiochemical characterization and potential of synthesis gas production from rubber wood biomass by using downdraft gasifier." Mehran University Research Journal of Engineering & Technolo	https://search.informit.org/doi/abs/10.3316/info-rmit.751430483061480
73.	Tufail Mustafa	Chemical Engineering	FOE&A	Nanoplates forced alignment of multi-walled carbon nanotubes in alumina composite with high strength and toughness. Journal of the European Ceramic Society. 41:5541-5547.	https://www.sciencedirect.com/science/article/abs/pii/S0955221921003290
74.	Dr. Muhammad Qasim Siddiqui	Textile Engineering	FOE&A	The production and characterization of microbial cellulose-electrospun membrane hybrid nano-fabrics. Journal of Industrial Textiles, 51(3), 380-395	https://journals.sagepub.com/doi/full/10.1177/1528083719881813
75.	Dr. Muhammad Qasim Siddiqui	Textile Engineering	FOE&A	Development of FBG pressure sensors using FDM technique for monitoring sleeping postures. Sensors and Actuators A: Physical. 331: 112921	https://www.sciencedirect.com/science/article/abs/pii/S0924424721003861
76.	Dr. Ahmer Hussain Shah	Textile Engineering	FOE&A	Green synthesis, characterization and photocatalytic activity of silver nanoparticles synthesized with Nigella Sativa seed extract." Chemical Physics Letters 763. 138218	https://www.sciencedirect.com/science/article/abs/pii/S0009261420311222
77.	Dr. Zameer Ahmed Abro	Textile Engineering	FOE&A	An FBG based smart wearable ring fabricated using FDM for monitoring body joint motion. Journal of Industrial Textile. 50 (10):1660-1673	https://journals.sagepub.com/doi/full/10.1177/1528083719870204
78.	Dr. Saifullah Khan	Textile Engineering	FOE&A	Electrospun Nanofiber-Based Viroblock/ZnO/PAN Hybrid Antiviral Nanocomposite for Personal Protective Applications. Nanomaterials, 11(9):2208	https://www.mdpi.com/2079-4991/11/9/2208

79.	Dr. Saifullah Khan	Textile Engineering	FOE&A	Continuous Mechanical Extraction of Fibres from Linseed Flax Straw for Subsequent Geotextile Applications. Coatings. 11(7), 852	https://www.mdpi.com/2079-6412/11/7/852
80.	Dr. Saifullah Khan	Textile Engineering	FOE&A	An overview of Zn/ZnO modified cellulosic nanocomposites and their potential applications. Journal of Polymer Research. 28(9):1-19	https://link.springer.com/article/10.1007/s10965-021-02689-6
81.	Dr. Saifullah Khan	Textile Engineering	FOE&A	Functional nanocomposites and their potential applications: A review. Journal of Polymer Research. 28(2):1-22	https://link.springer.com/article/10.1007/s10965-021-02408-1
82.	Dr. Nazakat Ali	Textile Engineering	FOE&A	Enhanced thermoelectric performance of graphene based nanocomposite coated self-powered wearable e-textiles for energy harvesting from human body heat. RSC Advances. 11:16675-16687	https://pubs.rsc.org/en/content/articlehtml/2021/ra/d0ra10783b
83.	Dr. Nasir Khan	P & G Engineering	FOE&A	Study of a low-damage efficient-imbibition fracturing fluid without flowback used for low-pressure tight reservoirs. Energy. 222:119941	https://www.sciencedirect.com/science/article/abs/pii/S0360544221001900
84.	Dr. Hafeez ur Rehman	Mining Engineering	FOE&A	Impact of construction method and ground composition on headrace tunnel stability in the Neelum–Jhelum Hydroelectric Project: A case study review from Pakistan. Applied Sciences. 11(4):1655	https://www.mdpi.com/2076-3417/11/4/1655
85.	Abdul Muntaqim Naji	Geological Engineering	FOE&A	Expanded Longitudinal Deformation Profile in Tunnel Excavations Considering Rock Mass Conditions via 3D Numerical Analyses. Applied Sciences. 11(12): 54	https://www.mdpi.com/2076-3417/11/12/5405

86.	Dr. Hafeez ur Rehman	Mining Engineering	FOE&A	2D Electrical Resistivity Tomography an advance and expeditious exploration technique for current challenges to mineral industry. Journal of Himalayan Earth Sciences	https://web.p.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=19943237&AN=154283092&h=Pun3CFpmldd6PkspCfLlqpV4fQu%2b28klpcSzVlloSxGR7pbtbf70J7oh02%2fQelMBOyQBViVvt0mvKVdeqOa2g%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrINoProfile&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d19943237%26AN%3d154283092
87.	Abdul Muntaqim Naji	Geological Engineering	FOE&A	Ground saturation response during first filling of lined pressure tunnels: A case study. Rock Mechanics and Rock Engineering. 54(2):513-35.	https://link.springer.com/article/10.1007/s00603-020-02296-9
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