

LIST OF PUBLICATIONS

S. No.	Title of Publication	Journal Name	DOI	Year of Publication	List of Authors
1	Advanced Algorithm-Based Laser Measurement System for Accurate Seam Pucker Evaluation.	Polimery	In publication	2025	Muhammad Amir Qureshi
2	AI-Driven Fabric Classification: Real-Time Implementation for Sustainable Textile Practices in Industry 5.0.	Materials Research Express.	https://doi.org/10.1088/2053-1591/add98f	2025	Noreen Akram, Rizwan Aslam Butt, and Muhammad Qureshi Amir
3	Biomass activated carbon air filter for particulate removal.	Polimery	https://doi.org/10.14314/polimery.2025.4.5	2025	Muhammad Amir Qureshi, and Mehmood Ali.
4	Characterization of Denim Effluent Treatment Plant Sludge and its Influence on Concrete Hardened Properties	Iranian Journal of Science and Technology, Transactions of Civil Engineering.	https://doi.org/10.1007/s40996-024-01476-9	2025	Batool, Farnaz, Shenela Naqvi, Saira Faisal, Abdul Jabbar Sangi, Mishkat Rabbani, Masooma Azhar, Kainat Ayoob, and Wareesha Jamal
5	Development of Odorless Fabric by Using Modified Complex Coacervation Technique.	Journal Kejuruteraan	https://doi.org/10.17576/jkukm-2025-37(1)-12	2025	Muhammad Amir Qureshi
6	Durable Multifunction finishing on Polyester Knitted fabric by applying Zinc Oxide nanoparticles	Pigment & Resin Technology	https://doi.org/10.1108/PRT-08-2024-0086	2025	Salma Farooq, Aamir Akhtar, Saira Faisal, Dawood Husain, Owais Raza Siddiqui
7	Evaluating the effect of structural and parametric change of weft knitted polyester fabrics over the performance of sportswear	Mehran University Research Journal of Engineering and Technology	https://doi.org/10.22581/muet1982.3362	2025	Muhammad Owais Raza Siddiqui, Salma Farooq, Muhammad

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					Dawood Husain, Hassan Ali, Faisal, Saira
8	Experimental investigation of different denim washes on stones, denim fabric and effluent discharge	Pigment and Resin Technology	https://doi.org/10.1108/PRT-11-2024-0117	2025	Tahreem Beg and Sehrish Naveed
9	Harnessing the potential of regenerated bamboo knitted fabrics in development of eco-friendly masks	Pigment & Resin Technology	https://doi.org/10.1108/PRT-05-2023-0036	2025	Fareha Asim, Farhana Naeem, Shenela Naqvi
10	Investigation of process parameters for eco-friendly indigo dyeing of cotton fabric with reducing sugars.	Pigment & Resin Technology	https://doi.org/10.1108/PRT-07-2023-0068	2025	Quratulain Mohtashim, Salma Farooq, and Fareha Asim.
11	Study on the Effects of Cellulosic Fiber Reinforcements on Tensile and Flexural Properties of Fiber-reinforced Mortar	Journal of Textile and Apparel, Technology and Management	https://jtatm.textile.s.ncsu.edu/index.php/JTATM/article/view/20798	2025	Tahreem Beg, Sarah Jaweed, and Muhammad Ali
12	Synthesis, characterization, and application of pH-sensitive monoazo heterocyclic disperse dyes: A study of solvatochromism, DFT analysis, and biological activity	Fibers and Polymers	10.1007/s12221-024-00797-w	2025	Muhammad Salman; Abdul Jabbar; Salma Farooq; Muhammad Sohail Khan Rafiq; Sajida Munsif; Zaheer Ul-Haq
13	Characterization and antimicrobial properties of cotton fabric loaded with green synthesized silica nanoparticles	Journal Kejuruteraan	DOI: dx.doi.org/10.17576/jkukm-2024-36(2)-38	2024	Muhammad Amir, Rizwan Aslam Butt, Shenela Naqvi, and Syed Farhan Hasany

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14	Enhancement of hot mix asphalt (HMA) properties using waste polypropylene	Environmental Engineering and Management Journal	https://doi.org/10.30638/eemj.2024.193	2024	Sajjad Ali, Tahreem Beg, Maha Farrukh, Muhammad Owais Raza Siddiqui, Danmei Sun
15	Investigating stingray skin as a novel material for high-performance textile	Mehran University Research Journal Engineering and Technology	https://doi.org/10.22581/muet1982.3181	2024	Ali Hasan Mahmood, Danyal Rashid Khan, Salma Farooq
16	Investigation of mechanical properties of bio-finished regenerated bamboo fabrics using 23 31 mixed level factorial design	Mehran University Research Journal of Engineering and Technology	https://doi.org/10.2581/muet1982.2401.2875	2024	Farhana Naeem, Fareha Asim, Shenela naqvi, Muhammad Tufail
17	Modification of a Convolutional Neural Network for the Weave Pattern Classification	Mehran University Research Journal of Engineering and Technology	https://doi.org/10.2581/muet1982.2998	2024	Noreen Akram, Rizwan Aslam Butt, and Muhammad Amir
18	Performance evaluation of flexible pavement using polyethylene terephthalate (PET)	Mehran University Research Journal of Engineering and Technology	https://doi.org/10.22581/muet1982.3140	2024	Sajjad Ali, Muhammad Owais Raza Siddiqui, Hassan Ali
19	Powering of IOTs through Single Jersey Wearable Tribo-Electric Nano Generator.	Engineering Research Express	DOI 10.1088/2631-8695/ad2d9b	2024	Muhammad Amir, Rizwan Aslam Butt, Shenela Naqvi, and Syed Farhan Hasany
20	Salt-free-multifunctional dyeing approaches for cotton and CVC fabrics with direct and reactive dyes using chitosan and keratin	Pigment & Resin Technology	https://doi.org/10.1108/P-RT-04-2024-0044	2024	Tahreem Beg, Maha Farrukh, Farhana Naeem

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21	Sustainable technique of dyeing bio-degradable polyester using henna extract.	Pigment & Resin Technology	https://doi.org/10.1108/P RT-02-2023-0015	2024	Hammama Irfan, Tahreem Beg, Farhana Naeem, Mohammad Irfan, Shenela Naqvi, and Yang Shengyuan
22	Synthesis and application of WO ₃ /PVA Nano composite for Antibacterial and Thermal Insulation.	Materials Research Express .	https://doi.org/10.1088/2053-1591/ad8a1f .	2024	Muhammad Amir, and Muhammad Sajid Ali Asghar
23	Unmasking the power of metal oxide nanoparticles for self-cleaning heavy denim: Investigating and optimizing process parameters”,	Cellulose Chemistry and Technology	https://doi.org/10.35812/CelluloseChemTechnol.2024.58.77	2024	Fareha Asim, Farhana Naeem
24	Unveiling the dynamics of seam performance: a regression analysis approach for predictive modeling.	Engineering Research Express	https://doi.org/10.1088/2631-8695/ad4a25	2024	Muhammad Amir, and Fareha Asim
25	Investigation and optimization of process parameters for the green chemistry coloration using banana bio-resources waste,	Pigment & Resin Technology	https://doi.org/10.1108/PRT-01-2022-0006	2023	Quratulain Mohtashim, Fareha Asim, Salma Farooq
26	A Smart IoT-Enabled Cage for the Farming of Ground Birds.	Engineering Proceedings	https://doi.org/10.3390/engproc2023046026	2023	Rizwan Aslam Butt, Tariq Rehman, and Muhammad Amir Qureshi

27	An Investigation into Design of Blood Pressure Cuffs Using the Tekscan Pressure Sensing System	AATCC Journal of Research	DOI:10.1177/24723444221132326	2023	Shenela Naqvi, Muhammad Amir, Farhana Naeem, Tilak Dias, and Philip S. Lewis
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28	Antimicrobial property of functional viscose fibre by using mint extract	Industria Textilă	https://doi.org/10.35530/IT.074.04.202239	2023	Iqbal, Waqar, Q. I. Yexiong, J. I. A. N. G. Yaming, M. Owais Raza Siddiqui, R. A. B. I. A. Khalid, Azeem Iqbal, M. Usman Munir, Azmat Hussain, and Shanshan Xu
29	Characterization of Water Repellent and Flame Retardant Finished Cotton Canvas Fabric for Bivouac Tents	AATCC Journal of Research	https://www.researchgate.net/publication/364809844_Characterization_of_Water_Repellent_and_Flame_Retardant_Finished_Cotton_Canvas_Fabric_for_Bivouac_Tents	2023	Farhana Naeem, Muhammad Dawood Hussain, and Danyal Rashid Khan

30	Dyeing of wool fabric with natural dye extracted from Dalbergia Sissoo using natural mordants	Sustainable Chemistry and Pharmacy	https://doi.org/10.1016/j.scp.2023.101094	2023	Kashif Iqbal, Haseeb Afzal, Muhammad Owais Raza Siddiqui, Uzma Bashir, Khayale Jan, Amir Abbas, Hafiz Affan Abid
31	Effect of varying percentages of Co ₃ O ₄ Nanoparticles on the Behavior of (ORR/OER) Bifunctional Co ₃ O ₄ /α-MnO ₂ Electrocatalyst	Tecciencia	https://doi.org/10.18180/tecciencia.2023.34.4	2023	Zahoor, Awan, Ghadia Ahmed, Muhammad Amir, Faaz Butt, and Asad A. Naqvi

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32	Estimation of arterial pressure through cuffs constructed from different fabrics using simulation modelling.	The Journal of The Textile Institute	https://doi.org/10.1080/00405000.2022.2124615	2023	Naqvi, Shenela, Prasad Potluri, Parthasarathi Mandal, and Philip Lewis
33	Fabrication and Characterization of Antimony doped Iron oxide Nanoparticles	Quaid-E-Awam University Research Journal of Engineering, Science & Technology, Nawabshah.,	https://doi.org/10.52584/QRJ.2101.08	2023	Jamal, Tahir, Syed Farhan Hasany, Muhammad Amir, Maryam Tahir, Sabahat Javed, and Ume Sehar
34	Improving the time-based performance of the preparatory stage in textile manufacturing process with value stream mapping	Business Process Management Journal	https://doi.org/10.1108/B PMJ-08-2022-0366	2023	Deedar Hussain; Manuel Carlos Figueiredo
35	Investigation and optimisation of process parameters for the green chemistry colouration using banana bio-resources waste.	Pigment & Resin Technology	https://doi.org/10.1108/PRT-01-2022-0006	2023	Quratulain Mohtashim, Fareha Asim, and Salma Farooq.
36	Investigation into an Eco-Friendly Reactive Dyeing Process of Cotton Fabrics Using an Ethanol-Water Mixture Through Design of Experiment	Cellulose Chemistry and Technology	https://doi.org/10.35812/CelluloseChemTech nol.2023.57.59	2023	Quratulain Mohtashim, Fareha Asim, Farhana Naeem

37	Investigation into shrinkage of stretchable denim fabric and its consumption in marker making by varying drying temperatures	Mehran University Research Journal of Engineering and Technology	http://dx.doi.org/10.22581/muet1982.2304.287	2023	Muhammad Amir, Shenela Naqvi, and Farhana Naeem.
38	Investigation into the effect of resin finish on the functional characteristics of plain fabrics using different curing methods	Pigment & Resin Technology	https://doi.org/10.1108/P-RT-09-2021-0110	2023	Farhana Naeem, Fareha Asim, Muhammad Tufail

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39	Investigation of self-cleaning attributes of denim fabric modified with naturally synthesized ZnO nanoparticles	Pigment & Resin Technology	https://doi.org/10.1108/P RT-04-2022-0042	2023	Fareha Asim, Farhana Naeem
40	Modification of bentonite nanoclay for textile application	Polimery	https://doi.org/10.14314/polimery.2023.2.1	2023	Muhammad Ammir, Syed Farhan Hasany, and Muhammad Sajid Ali Asghar
41	New heterocyclic azo-disperse dyes; their synthesis, characterization, application, photophysical properties, and solvatochromic studies	Journal of Molecular Structure	https://doi.org/10.1016/j.molstruc.2023.135664	2023	Muhammad Salman, Abdul Jabbar, Salma Farooq, Idrees Bashir, Muhammad Sohail Khan Rafiq
42	Non-Covalent Bonding of Green Synthesized Copper Nanoparticles to enhance Physico-chemical behavior of Sulfur-Dyed Cotton Fabric.	AATCC Journal of Research	2.47E+16	2023	Muhammad Amir, Kashif Ahmed, Syed Farhan Hasany, and Rizwan Aslam Butt
43	Prediction of air permeability and effective thermal conductivity of multifilament polyester yarn by finite element analysis	Polimery	https://doi.org/10.14314/polimery.2023	2023	Muhammad Owais Raza Siddiqui, Salma Farooq, Muhammad Dawood Husain1, Saira Faisal
44	Sustainable solution of sewing thread attributes on seam pucker	Mehran University Research Journal of Engineering and Technology	https://doi.org/10.22581/muet1982.2303.03	2023	Muhammad Amir

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45	Yarn porosity and its relationship with the dyeing behavior.	Pigment & Resin Technology	https://doi.org/10.1108/PRT-12-2021-0138	2023	Sheraz Hussain Siddique Yousfani, Salma Farooq, Quratulain Mohtashim, and Hugh Gong.
46	Zinc and graphene oxide composites as new protective coatings for oil and gas pipes	Polimery	https://doi.org/10.14314/polimery.2023.7.3	2023	Asghar, M. Sajid Ali, Muhammad Amir, Umer Hussain, and Mohammed M. Sabri
47	Steady state mathematical model of Test-Rig for the validation of experimental Temperature-Resistance relationship of Temperature Sensing Fabric	Mehran University Research Journal of Engineering & Technology	https://www.researchgate.net/publication/357775967_Steady_State_Mathematical_Model_of_TestRig_for_the_Validation_of_Experimental_Temperature-Resistance_Relationship_of_Temperature_Sensing_Fabric	2022	Muhammad Dawood Husain, Shenela Naqvi, Muhammad Owais Raza Siddiqui, and Richard Kennon
48	Investigating the Inaccuracies of indirect method of blood pressure measurement associated to the cuff constructing fabrics	Mehran University Research Journal of Engineering & Technology	Shenela;%20HUSAIN%2C%20Muhammad,/10.22581/muet1982.2202.12.	2022	Shenela Naqvi, Muhammad Dawood Husain, and Philip Lewis

