

Publications for the last two years i.e. from 2020 to 2021 are listed below:

Journals Articles:

1. Siddiqui MOR, Noor I, Hussain D, Noorani MU, Dad A, Iqbal W, Sun D, Productivity improvement in denim industry by DMAIC methodology, International Journal of Innovation, Creativity and Change, 2021. 15(3): P.217- 229.
2. Qaseem, S.; Dlamina, D.S.; Zikalalae, S.A.; Teshaa, J.M.; Husain, M.D.; Wang, C.; Jiang, Y, Electro-catalytic membrane anode for dye removal from wastewater., Colloids and Surfaces A: Physicochemical and Engineering Aspects, Vol. 603: Article # 125270, IF 3.99, Oct 2020.
3. Nauman, M.M.; Mehdi, M & Husain, M.D, Stretchable and Flexible Thin Films Based on Expanded Graphite Particles, Processes ,Vol. 8(8): 961, IF 2.75, Aug 2020.
4. Husain D, Naqvi S, Siddiqui MOR, Kennon R, 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, 2021 (In-press).
5. Waqar Iqbal, Yaming Jiang, Siddiqui MOR, Raza Ahmedd, Qi Yi_Xonge , Syed Umer Afzalf , Dilini srinika wijerathne gunasekarag , Rahid Hussain, The measurement of dynamic tension fluctuation in a flat knittingmachine, International Journal of Innovation, Creativity and Change, 2021. 15(6): P.900-911.
6. Ali M, Faisal S, **Naqvi S**, Lin L et al. Electrically heated wearable textiles produced by conventional pigmented inks containing carbon black. Pigment and Resin Technology. (*Accepted for publication on May, 2021*)
7. **Naqvi S**, Husain D, Dias T, Lewis PS. Investigating the Inaccuracies of indirect method of blood pressure measurement associated to the cuff constructing fabrics. (Accepted for publication on May, 2021)
8. Faisal S, Ali M, **Naqvi S**, Lin L. Statistical optimization and bulk scale validation of the effects of cationic pre-treatment of cotton fabric for digital printing of Reactive dyes. Journal of Natural Fibres (Accepted for publication on 15 April, 2021)
9. Faisal S, **Naqvi S**, Ali M, Lin L. Comparative study of multifunctional properties of synthesised ZnO and MgO NPs for Textiles applications. Pigment and Resin Technology. (*Accepted for publication on 05 April, 2021*)
10. **Naqvi S**, Potluri P, Lewis P, Mandal P. Experimental investigation on pressure transmission underneath blood pressure cuffs of different types using an arm simulator. Journal of Textile Institute. 2021 Mar 7:1-2. (DOI: 10.1080/00405000.2021.1899451).

11. Husain D, **Naqvi S**, Siddiqui O, Kennon R. 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 and Technology. (Accepted for Publication on 1 January, 2021)
12. Naqvi S, Potluri P, Mandal P, Lewis PS. Simulation Models Predicting Pressure distribution and transmission underneath blood pressure cuffs of different types, accepted for publication in AATCC Journal of Research 2020 Sep 1;7(5):38-46.
13. Naqvi S, Potluri P, Mandal P, Lewis P. Effect of different cuff types on blood pressure measurement: Variation in BP values for different cuff types. Journal of Industrial Textiles. 2018 Mar;47(7):1478-95.
14. Amir M, Stylios GK (2020) An Experimental Analysis into Thread Cycling Recovery on Seam Appearance. J Fashion Technol Textile Eng 8:4. DOI: 10.37532/jfjte.[2020.8\(4\).197](https://doi.org/10.37532/jfjte.2020.8(4).197)
15. Amir M (2020) Experimental Analysis of Static Thread Tension on Seam Appearance. J Fashion Technol Textile Eng 8:3. DOI: 10.37532/jfjte.[2020.8\(3\).193](https://doi.org/10.37532/jfjte.2020.8(3).193).
16. Hasany, S.F., Hussain, S., Ali, S.M.U., Abdul-Kadhim, W. and Amir, M., 2020. ZnO nanostructures: comparative synthetic and characterisation studies. Micro & Nano Letters, 15(14), pp.972-976.
17. Amir, M., Leaf, G.A. and Stylios, G.K., 2020. A model of seam pucker and its applications Part I: theoretical. The Journal of the Textile Institute, 111(1), pp.64-67.
18. Muhammad, A., Leaf, G.A. and Stylios, G.K., 2020. A Model of Seam Pucker and Its Applications. Part II: Experimental. The Journal of the Textile Institute, 111(1), pp.60-63
19. Naeem, F. Asim and M. Tufail, "anti-pilling & resin finishing of rayon and rayon /cotton fabrics, using 2³3² mixed level factorial design", AATCC Journal of Research, Volume 7, Number 5, September/October 2020, pp. 32-37.
20. Naeem F, Asim F, Tufail M. Performance Evaluation of Anti Pilling and Easy-Care Finished Rayon and Rayon/Cotton Satin Fabric. Journal of Natural Fibers. 2020 Jul 6:1-15.
21. Naeem F, Asim F, Tufail M. (2020) Effect of Crosslinking Agents on the Strength Characteristics of Cellulosic Fabrics Using 2³ 3² mixed level factorial <https://doi.org/10.1108/PRT-06-2020-0062>
22. Naeem F, Asim F, Tufail M, Multi response optimization in the development of anti-pilling and easy care finished rayon from bamboo and bamboo/cotton fabrics using desirability function.....accepted 5th May,2021 in Mehran University Research Journal of Engineering and Technology
23. **Faisal S**, Ali M, Siddique S and Lin L. Inkjet Printing of Silk: Factors Influencing Ink Penetration and Ink Spreading. Pigment & Resin Technology. 2021; Published Online.
24. Siddique SH, **Faisal S**, Ali M, Gong RH. Optimization of process variables for tensile properties of bagasse fiber-reinforced composites using response surface methodology. Polymers and Polymer Composites. 2020; Published Online.

25. Farooq S, **Faisal S** and Asim F. Investigation onto the Effect of Surface Etching Using Chemical Etchants on The Dye-Ability of UHMWPE Fibre. *Mehran University Research Journal of Engineering and Technology*. 2020, In Press.
26. **Faisal S**, Lin L and Clark M. Synthesis, stability and printing properties of a novel 2-sulphophenoxy-4-chloro-s-triazine reactive dye for ink-jet printing of wool. *Coloration Technology*. 2020; 136:153-166.
27. **Faisal S** and Lin L. Green synthesis of reactive dye for ink-jet printing. *Coloration Technology*. 2020; 136:110-119.
28. Broadbent, Peter J., Quratulain Mohtashim, Muriel Rigout, and Chris M. Carr. "Investigation into the effect of a plant-derived stabiliser on the light and wash fastness of sulphur-dyed cotton and nylon fabrics." *Coloration Technology* 136, no. 3 (2020): 224-230.
29. Mohtashim, Quratulain, Muriel Rigout, and Chris Carr. "Investigation into the sequential application of cationic/anionic fixing agents to improve the oxidative washing resistance of CI Leuco Sulphur Black 1-dyed cotton fabric." *Coloration Technology* 136, no. 3 (2020): 263-269.
30. Mohtashim, Quratulain, Muriel Rigout, and Sheraz Hussain Siddique. "Light fading, rub and wash fastness of sulphur-dyed cotton fabrics aftertreated with cation-tannin protective system." *Pigment & Resin Technology* 49, No. [6 \(2020\), 431-439](#).
31. Quratulain Mohtashim, Fareha Asim, and Salma Farooq. "Aftertreatments of Sulphur Black 1 Dyed Cotton Fabric: Optimisation OF Process Parameters for developing a protective system to improve the color retention." *AATCC Journal of Research* 8, no. 1 (2021): 33-39.
32. Siddique SH, Faisal S, Mohtashim Q, Ali M, Gong RH. Investigation of Fibre Orientation and Void Content in Bagasse Fibre Composites Using an Image Analysis Technique. *FIBRES & TEXTILES in Eastern Europe* 2021; 29, 3(147): 26-32.
33. Mohtashim, Quratulain, Muriel Rigout, and Sheraz Hussain Siddique Hussain Yousfani. "The development of a tannin-based after-treatment for cotton fabric dyed with sulphur dyes." *Pigment & Resin Technology* (2021)
34. Mr. Irfan, Bilal Zahid and **Sheraz Hussain Siddique**, (2020) The effect of degree of curvature and fabric orientation on the impact properties of single and multilayer textile composites *The Journal of the Textile Institute* (published online)
35. **Sheraz Hussain Siddique**^a, Saira Faisal^{b*}, Bilal Zahid^c, Chunhong Wang, (2020), Effect of Different Variables on Tensile Properties of Bagasse Fiber Composites, *Mehran University Journal of Research* (to be published in July 2021)
36. Sabeen Jahanzeb, Sheraz, Deedar. "Porosity and fibre orientation of banana fibre nonwoven webs using image analysis technique, *Journal of natural fibers (JCR)* 2021 in press.

Conference Papers

1. F.Naeem, F.Asim and M.Tufail, Investigation to improve the pilling & wrinkle resistance properties of Bamboo and Bamboo/cotton fabrics. Presented on 3rd [March 2020](#), in 4th NED International Textile Conference (ITC).
2. Husain, M.D. (As keynote Speaker) International e-conference on Enriching e learning management for Global Education: New Norm Viewpoint (ICELMGE 2020), (GARA) on Engineering Education in Times of Covid presented on 19-20 Dec 2020 e-conference (Malaysia)

Book Chapters:

1. Sun D, Kashif Iqbal, Siddiqui MOR, Fibers incorporated with phase change materials, Thermal analysis of textiles and fibers, Michael Jaffe, Joseph D. Menczel, 2020, p.335-353, Woodhead Publishing, Elsevier. DOI: 10.1016/B978-0-08-100572-9.00020-3.