

List of Publications

April 2014 to April 2016

- 1 Salma Farooq, Sheraz Yousfani (2015), Effect of fibre porosity on dyeuptake of reactive dyed cotton woven fabric, Mehran University Research Journal Engineering and Technology Vol 34 no: 3
- 2 Khalid Pasha, John. A. Taylor, (2016), An Investigation into the In situ Preparation of Hetero Bifunctional Monochlorotriazinyl-Vinyl Sulphone Reactive Dyes for Cotton, Pak. J. Sci. Ind. Res. Ser. A: phys. sci
- 3 SHS Yousfani, RH Gong I Porat, (2016) Effect of process variables on tensile properties of fiberglass nonwoven composites, Polymer & Polymer Composites, Vol: 24 no: 1
- 4 SHS Yousfani, RH Gong I Porat, (2015) Manufacture of fiberglass nonwoven composites and study of the effect of different variables on their quality, Polymer & Polymer Composites, Vol: 23 no: 5
- 5 Shenela Naqvi, Muhammad Dawood Husain, Prasad Potluri, Parthasarathi Mandal, Philip Lewis, (2016), Pressure distribution under different types of blood pressure measurement cuffs, Journal of industrial textiles
- 6 Bilal Zahid, Xiaogang Chen, (2015), Effect of liner for single-piece continuously textile reinforced riot helmet shells, Journal of Industrial Textiles
- 7 P. Lewis, S. Naqvi, P. Mandal, P. Potluri, (2015), Arterial blood pressure assessed using numerical modelling of DICOM data and Finite Element Analysis shows marked variation dependent on cuff construction and materials, Journal of Human Hypertension, Vol. 29, No. 10, pp.638-638,
- 8 P. Lewis, S. Naqvi, P. Mandal, P. Potluri, (2015), Sphygmomanometer cuff construction and materials affect transmission of pressure from cuff to arterial wall. Finite element analysis of human pressure measurements and dicom data, Journal of Hypertension Volume 33
- 9 Atalay, O., Husain, M.D. & Kennon, W.R, (2015), Comparative study of the weft-knitted strain sensors, Journal of Industrial Textiles, SAGE Publication
- 10 Hamdani, T., Fernando, A., Husain, M.D. &, Potluri, O, (2015), Study of electro-thermal properties of pyrrole polymerized knitted fabrics, Journal of Industrial Textiles, SAGE Publication
- 11 L.A. Khan, A.H. Mahmood, (2016), Cost-effective composites manufacturing processes for automotive Applications, Lightweight Composite Structures in Transport Edited by J. Njuguna, Woodhead Publishing
- 12 Fareha Asim, Muzzaffar Mahmood, (2015) Experimental investigation and mathematical modelling of tensile strength for single step fixation process of reactive printing and crease resistance finishing of cotton fabric using DOE" International Journal of Engineering & Technical Research (IJETR),Volume-3, Issue-2, P:126-130

List of Publications

- 13 Ali Hasan Mahmood, Laraib Alam Khan, Bilal Zahid, (2014) Mechanical Properties of Composites Made from Locally Manufactured Carbon Fabrics and the Composites Produced from Air-Textured Glass Yarns, *Fibers and Polymers*, Vol. 15, Issue 5, pp: 1004-1009.
- 14 Ali Hasan Mahmood, R.H. Gong, I. Porat, (2014) Use of Fabrics and Composites Made from Air Textured Core-and-Effect Glass Yarn for Improved Properties of Textile Composites, *NED University Journal of Research – Structural Mechanics*, Vol. 11, Issue 3, pp: 39-48.
- 15 Siddiqui MOR, Sun D, (2014) Porosity Prediction of Plain Weft Knitted Fabrics, *Fibers*, DOI:10.3390/fib3010001.
- 16 Siddiqui MOR, Sun D, (2014) Automated model generation of knitted fabric for thermal conductivity prediction using finite element analysis and its applications in composites, *Journal of industrial textiles*, DOI: 10.1177/1528083714551440.
- 17 Siddiqui MOR, Sun D, (2014) Computational Analysis of Effective Thermal Conductivity of Microencapsulated Phase Change Material Coated Composite Fabrics, *Journal of Composite Materials*, DOI: 10.1177/0021998314545193, accepted.
- 18 MD Husain, R Kennon, T Dias, (2014) Design and fabrication of Temperature Sensing Fabric, *Journal of Industrial Textiles*, 44(3), pp 398-41,7 SAGE Publications DOI: 10.1177/1528083713495249
- 19 Laraib Alam Khan, Ali Hasan Mahmood, Bilal Hassan, Tahir Sharif, Shahaab Khushnod, (2014) Zaffar M. Khan, Cost-effective manufacturing process for the development of automotive from energy efficient composite materials and sandwich structures, Vol. 35, Issue 1, pp: 97-104
- 20 Zaffar M Khan, Ali Hasan Mahmood, (2014) Ben Mills and Laraib A Khan, The drilling-induced failure mechanisms in T800/924C toughened carbon-epoxy composite materials, *Journal of Reinforced Plastics and Composites*, Vol. 33, Issue 2, pp: 202-211.
- 21 Ali Hasan Mahmood, R.H. Gong, I. Porat, (2014) Improvement in the fracture toughness (Mode I) of laminated glass fabric composites through air-jet texturing, *Fibers and Polymers*, Vol. 14, Issue 4, pp 591-596.
- 22 Laraib Alam Khan, **Ali Hasan Mahmood**, Zaffar Khan, (2013) Post curing effect of poly epoxy on visco-elastic and mechanical properties of different sandwich structures, *Polymer Composites*, Vol. 34, Issue 4, pp: 477–481.
- 23 Laraib Alam Khan, **Ali Hasan Mahmood**, S. Ahmed, Richard J. Day, (2013) Effect of double vacuum bagging (DVB) in quickstep processing on the properties of 977-2A carbon/epoxy composites, *Polymer Composites*, Vol. 34, Issue 6, pp: 942–952.
- 24 Laraib Alam Khan, **Ali Hasan Mahmood**, Ahmed Shuja Syed, Zaffar M Khan and Richard J Day, (2013) Effect of hygrothermal conditioning on the fracture toughness of

List of Publications

- carbon/epoxy composites cured in autoclave/Quickstep, *Journal of Reinforced Plastics and Composites*, Vol. 32, Issue 16, pp: 1165–1176.
- 25 Fareha Asim, Muzzaffar Mahmood, (2013) "Mathematical Modeling of Colour Yield for Single Step Fixation of MCT Reactive Dye Printing and Crease Resistance Finishing of Cotton Fabric", *International Journal of Statistics and Applications* 3(2): 22-32
 - 26 FarehaAsim1, Naheed Kausar, Muzzaffar Mahmood, (2013) "Reaction Mechanism of Single Step Fixation Process of Reactive Printing and Crease Resistance of Finishing Cotton Fabrics", *International Journal of Textile Science* 2(2): 26-29
 - 27 Fareha Asim, Muzzaffar Mahmood, (2013) "Mathematical Modelling of Dry Crease Recover Angle for Single Step Fixation of Reactive Printing and Crease Resistance Finishing of Cotton Fabric Using DOE", *International Journal of Textile Science* 2(3): 59-71
 - 28 Bilal Zahid, Xiaogang Chen, (2013)"Energy Absorption at Different Impact Locations of Riot Helmet Shells"*International Journal of Textile Science* Vol 2 (4) Pg 126-131
 - 29 Husain M.D., Atalay O. & Kennon, W.R. (2013) Effect of Strain and Humidity on the Performance of Temperature Sensing Fabric, *International Journal of Textile Science* 2013; 2(4): 105-112; Scientific & Academic Publishing (SAP), doi:10.5923/j.textile.20130204
 - 30 Atalay O., Husain M.D. & Kennon, W.R. (2013) Textile-Based Weft Knitted Strain Sensors: Effect of Fabric Parameters on Sensor Properties, *Sensors* 2013, 13(8), 11114-11127; MDPI Publications, doi:10.3390/s130811114.
 - 31 Husain M.D., Dias T., & Kennon W.R. (2013) Design and fabrication of Temperature Sensing Fabric, *Journal of Industrial Textiles*, SAGE Publications, DOI: 10.1177/1528083713495249
 - 31 Husain M.D. & Kennon W.R. (2013) Preliminary Investigations into the Development of Textile Based Temperature Sensor for Healthcare Applications, *MDPI - Fibers* 1(1), 2-10; doi:10.3390/fib1010002

Conference Papers

- 1 Siddiqui MOR, Sun D, (2016), Computational heat transfer analysis of textile structures, 2nd NEDITC 2016 Proceedings page 119-125
- 2 Siddiqui MOR, Sun D, (2015), Prediction of effective thermal conductivity of micro-encapsulated phase change, 15th Autex World Textile Conference, Bucharest, Romania
- 3 Ozgur Atalay, Asli Atalay, Muhammad Dawood Hussain, (2016), Effect of mechanical test conditions on sensing properties of knitted strain sensors, 2nd NEDITC 2016 Proceedings page 126-133

List of Publications

- 4 Laraib Alam Khan, Ali Hasan Mahmood, Sheraz Hussain Siddique, (2016), An Experimental comparison of vacuum Bagging and vacuum infusion process for composite structures, 2nd NEDITC 2016 Proceedings page 126-133
- 5 Siddiqui MOR, Sun D, Prediction of thermal conductivity of woven fabric using finite element method, Proceedings of 14th AUTEX World Textile Conference, Bursa Turkey, 26-28 May 2014.
- 6 Laraib Alam Khan, Ali Hasan Mahmood, (2014), Comparison of void content and mechanical properties in textile composites produced from two different processing routes 1st NEDITC 2014 Proceeding pages 46-56
- 7 Muhammad Ali, Stephen. R. Bysouth, (2014) Use of a new closed vial milling system in investigation of carbon black ink formulations: its advantages and disadvantages, 1st NEDITC 20014, proceeding pages 57-63