

Research Interest

Textile Composites, Technical Textiles, Medical & Protective Textiles, 3D Weaving, Advancement in Textile Machinery

“Qualifications & Experience”

Academic & Professional Qualifications

PhD (Textiles), The University of Manchester, Manchester UK – 2012

Bachelor of Engineering (Textile Engineering), Mehran UET Jamshoro – Apr 2003 (4th Position, 1st Division)

Intermediate (Pre-Engineering), Govt. Degree College Ratodero – May 1998 (A – Grade)

Matriculation (Science), Govt. High School, Ratodero – March 1996 (A ONE – Grade)

Academic Experience

Mehran University of Engineering & Technology (Mehran UET) Jamshoro

- Chairman, Department of Textile Engineering (18 November 2013 to date)
- Associate Professor – BPS- 20, Department of Textile Engineering (15 April 2013 to date)
- Assistant Professor – BPS-19, Department of Textile Engineering (5th Feb 2012 to 5 June 2013)
- Lecturer, BPS – 18, Department of Textile Engineering (27th Jan 2007 to 5th Feb 2012)
- Lecturer, BPS – 17, Department of Textile Engineering (14th September 2004 to 26th Jan 2007)

University of Manchester, UK

- Teaching Assistant (Teaching Undergrad and Master Students), Department of Textiles and Paper, School of Materials (2009 to 2011)

Inventor

- Double Rapier Bias Weaving Machine and Material (British Patent Technology-Applied) – 2011

Project Funded

- Dyeing of Synthetic Polyester Fabric with Natural Dye using Radcure Techniques- Pakistan Science Foundation. Rs. 1 Million - 2017
- Flexible Dya Sensitized Solar Cell- Higher Education Commission. Rs. 7.5 Million - 2017

Publication

Patent

1. Peerzada M H, Potluri P. and Abbasi S A, “Bi-axial Bias Weaving Machine and Material Thereoff”, US Patent, June 2015 ((Filing US Patent Application Serial NO. 15/072,497))

Research Iournal Papers

1. Alvira A.A., Mazhar H.P., Iftikhar A.S., Sung H.J., “ A complete carbon counter electrode for high performance quasi solid state dye sensitized solar cell”, *Journal of Power Sources* 343 (2017) 412e423
2. Babar A. A., Peerzada M.H., “Pad Ultrasonic Batch dyeng of causticized lyocell fabric with reactive dyes”, *Ultrasonic Sonochemistry*, July 2016
3. Raj K K, Mazhar H. Peerzada and Sadaf A. Abbasi, “Air Consumption Analysis of Air-Jet Weaving”, *Mehran University Research Journal Of Engineering & Technology*, Pakistan. Volume 35, No. 3, p. 453 – 458, January 2015 (ISSN 0254-7821).
4. Jahongir KG, Batir MM, Mazhar HP, Kabul G, “Investigating the strain state of fibers located on the helical line in extended yarn”, *FIBRES & TEXTILES in Eastern Europe* 2015;23, 2(110): 19-24
Impact factor 0.541
5. Jhatial R. A., Mazhar H. Peerzada and Uzma Syed; “Optical yarn assessment system for twist measurement in Rotor-Spun Yarn”, *Mehran University Research Journal Of Engineering & Technology*, Pakistan. Volume 34, No. 1, p. 133 – 140, January 2015 (ISSN 0254-7821).
6. Awais khatri and Mazhar H. Peerzada, Muhammad Mohsin and Max White , “A review on development in dyeing cotton fabrics with reactive dyeing for reducing effluent polution”, *Journal of Cleaner Production*. Volume 87, Pages 50–57, 15 January 2015. **Impact factor 3.68.**
7. Zeeshan khatri and Mazhar H. Peerzada , “Electro spun Polycaprolactone/Poly(lactic Acid) Nanofibres as artificial Nerve Conduit”, *Mehran University Research Journal Of Engineering & Technology*, Pakistan. Volume 33, No. 3, p. 133 – 140, July 2014 (ISSN 0254-7821).
8. Mazhar H. Peerzada*, Sadaf Abbasi , Awais Khatri, “Tensile Behavior Analysis On Different Structures Of 3D Glass Woven Perform For Fibre Reinforced Composites”, *Mehran University Research Journal of Engineering & Technology*, Pakistan. Volume 32, No. 1, p. 121 – 124, January 2013 (ISSN 0254-7821).
9. U. Syed, R.A. Jhatial and M. Peerzada, “Influence of warp yarn tension on Cotton woven fabric structures”, *Mehran University Research Journal Of Engineering & Technology*, Pakistan. Volume 32, No. 1, p. 133 – 140, January 2013, (ISSN 0254-7821).
10. Rakhimov Farhod Hushbakovich, Mazhar H. Peerazada and Rafikov Adham Salimovich, “ Adhesive and Stress- Strain Properties of Polymeric Layered Materials Reinforced by the knitted Net”, *Mehran University Research Journal of Engineering & Technology*, Pakistan, Volume 31, No. 4, p. 733 – 742, October 2012, (ISSN 0254-7821).
11. Mazhar H. Peerazada, Prof. A. Tanwari, Sadaf A. Abbasi Characterization Of Low Twist Yarn: Effect Of blend ratio (Polyester/Cotton)”, *Mehran University Research Journal of Engineering & Technology*, Pakistan, Volume 31, No. 4, p. 613 –618, October 2012, (ISSN 0254-7821).
12. Sadaf A. Abbasi, Mazhar H. Peerazada, R. A. Jhatial, “Characterization Of Low Twist Yarn: Effect Of twist on Physical and Mechanical Properties”, *Mehran University Research Journal of Engineering & Technology*, Pakistan, Volume 31, No. 3, p. 553 – 558, October 2012, (ISSN 0254-7821).
13. Mazhar H. Peerazada, Awais Kahtri, Sadaf A. Abbasi, “ Shear Deformation Of 3D Glass Woven Fabric”, *Mehran University Research Journal of Engineering & Technology*, Pakistan, Volume 31(02), p. 343 – 346, April 2012, (ISSN 0254-7821).
14. Awais Khatri, Mazhar H. Peerzada, “Improved reactive Dye-fixation in Pad-Steam Process of Dyeing Cotton Fabric Using Tetrasodium N,N-Biscarboxylatomethyl – L-Glutamate”, *Mehran University Research Journal of Engineering & Technology*, Pakistan, 31(02), p. 253 – 258, April 2012, (ISSN 0254-7821).
15. Mazhar H. Peerzada, Sadaf A. Abbasi, Awais Khatri, “Effect Of Weave Structure On Tensile Strength And Yarn Crimp Of Three Dimensional Fibre Woven Fabric”, *Science International*

Journal, Pakistan, Vol. 24, No. 01, p. 47 – 50, January 2012.

16. Shamshad Ali, Awais Khatri, Mazhar H. Peerzada, Aijaz Ahmed, “Effect Of Causticization On Colour Strength (K/S) Of Reactive Dyed Lyocell Fabric”, Science International Journal, Pakistan, Vol. 24, No. 01, p. 51 – 54, January 2012.
17. Batir Mardonov, Jahongir K. Gafurov, Mazhar H. Peerzada, “Definition Of Area Extension And Fibre Microslip In Cross-Section Of Yarn And Evaluation Of Strength During Twisting”, Science International Journal, Pakistan, Vol. 24, No. 01, p. 55 – 58, January 2012
18. Kadam Jumaniyazov, Jahongir K. Gafurov, Mazhar H. Peerzada, “Theoretical Modeling of Tight Structure Of Open-End Yarn”, Science International Journal, Pakistan, Vol. 24, No. 01, p. 37 – 40, January 2012.
19. Awais Khatri, Mazhar H. Peerzada, Rafique A. Jhatial, “Effect Of Continuous Dyeing Fixation Methods On Light Fastness Of Cotton Dyed With Reactive Dyes”, Science International Journal, Pakistan, Vol. 23, No. 04, p. 295 – 298, October 2011.

International Conference Papers

- Peerzada M. Hussain, Prasad Potluri and Sadaf A.A. “BI-AXIAL BIAS WEAVE METHOD FOR PREFORM”, 2017 Advanced Composites Innovation Conference, Gold Coast Australia, 28-30 March 2017
- Ashfaque Ahmed, Peerzada M. Hussain, “Comparative Analysis of 2D and UD’s Flexural Rigidity of Kevlar Woven Preform”, 1st National Conference on Technical Textiles”, National Textile University Faisalabad, Pakistan, 26-27 September , 2016
- Peerzada M. Hussain, Abbasi S A, Syed Uzma, “Tensile Strength Characterization Of UD Carbon Woven Preform”, 6th International Technical Textiles Congressm Izmir Turkey, 14 – 16 October 2015.
- Peerzada M. Hussain, Potluri Prasad, Withers P, Abbasi S A, “Tomography Based analysis of UD Woven Composites”, Covitex- 3rd International Conference on Value Addition and Innovation in Textiles , Faisalabad, Pakistan, 27-28 March, 2015.
- Syed U, Jhatial RA, Peerzada M H, “Dyeing Of Organic Cotton Fabric Using Ultrasonic Dyeing Technique”, 14th Autex World Textile Conference, May 26th to 28th 2014, Bursa, Turkey.
- Peerzada M. Hussain, Potluri Prasad, “Geometrical And Meso-Mechanical Analysis Of Bias Woven Composites”, ECCM-14, Budapest, Hungary, June 2010.
- Peerzada, M. Hussain, “Off Axis Woven Composite Laminates”, Materials Postgraduate Conference, Manchester, UK, April 2010.
- Peerzada, M. Hussain, “Enhancing 3D Weaving For Reinforcements In Composites”, Materials Postgraduate Conference Manchester, UK, April 2008.

International Conference, Chair

- Dr. Mazhar Hussain Peerzada, 2nd International Conference on Value Addition and Innovation in Textiles (COVITEX-2013), NTU Faisalabad, Pakistan, 18-19 March, 213.
- Dr Mazhar Hussain Peerzada, 1st NED International Textile Conference, NED University of Engineering & Technology, Karachi, Pakistan. 13 March, 2014

Books

- Sadaf A. Abbasi, Mazhar H. Peerzada, “ A practical workbook of Rotor Spinning”, Editor Dr Prasad Potluri(University of Manchester, UK), MUET Pakistan, 2009
- Awais Khatri and Mazhar H. Peerzada, “A Practical Work Book Of Textile Colour Physics (Lab Experiments)”, Editor Zeeshan Khatri, MUET Pakistan, 2009
- Shamshad, Mazhar H. Peerzada, “Textile Finishing (Lab Experiments)”, Editor Zeeshan Kahtri, MUET Pakistan, 2008

- Awais Khatri and Mazhar H. Peerzada, “Textile Mechanics (Lab Experiments)”, Editor Prof Dr Rafique Ahmed Jhatial, MUET Pakistan, 2007
- Mazhar H. Peerzada and Awais Khatri, “Basic Textile Chemistry (Lab Experiments)”, Editor Prof Dr Muhammad Ibrahim Pathan, MUET Pakistan, 2007

Symposiums/ Seminars

- Mazhar H. Peerzada, “Implementation of OBE in University Education”, arranged by PEC and ORIC MUET, 28 April 2016
- Mazhar H. Peerzada, “SWOT Analysis of Pakistan Textile Industry, arranged by Ministry of Science and Technology of Pakistan at NTU Faisalabad. Oct. 2015
- Mazhar H. Peerzada, “Why Fibre Reinforced Composites!”, Pakistan Composite Show, NUST Islamabad, Pakistan, 5th December, 2012.
- Mazhar H. Peerzada, “Textile Composites: An emerging Need of Engineering”, One day Seminar, Mehran University of Engineering & Technology, Pakistan, 4th April, 2012.

Administrative Experience

Mehran UET Jamshoro

- Head Incharge of Laboratories, Department of Textile Engineering (17th April 2012 to Dec14)
- Warden, PHS Rashdi (Boys Hostel), Mehran UET Jamshoro (September 2005 to May 2007)
- Incharge, Yarn Manufacturing Laboratory (09th January 2005 to Sept. 2007)
- Incharge, Colour Measuring & Microscopy Laboratory (01st October 2004 to 25th April 2005)
- Incharge, Seminar Library, Department of Textile Engineering (13th October 2004 to 27th July 2006)

Industrial Experience & Trainings

Gul Ahmed Textile Mills (GTM) Ltd Landhi Industrial Area Karachi (Seventeen Months)

- Shift Incharge, Finishing Department (28th April 2003 to 18th September 2004)

Shahdad Kot textile Mills (Pvt) Ltd Site Area Shahdad Kot (Four Weeks Training in Spinning Unit)

Yunus Textile Mills Landhi Industrial Area Karachi (Four Weeks Training in Wet Processing Unit)

Moon Light Industries S.I.T.E. Karachi (One Month Training in Wet Processing Unit)

Lotus Textile Industries Ltd S.I.T.E. Karachi (One Week Training in Wet Processing Unit)

“Certifications & Memberships”

Certified Trainings

- **Two day workshop on Strategic Management for HoDs under Modern University Governance Program (MUG) HEC in collaboration with British Council of Pakistan, May 25-26, 2015.**
- **Bilateral Training on Textile Industry Management for Pakistan by Ministry of Commerce, People’s Republic of China (Fuzhou Fujian China, 24 October – 13 November 2013)**

CPD Certificate University of Manchester, UK

- Certificate in Personal Development in various skill i.e. Communication Skills, Team Building, Leadership Skills, Time & stress Management and Project Management.

Staff Training & Development Unit University of Manchester, UK

- Graduate Teaching Assistant Training

Business Development Course Bowness-on-Windermere, Lake District, UK

- Manchester Enterprise School

Health and Safety Training

- Safety Awareness

Clariant (Pakistan) Ltd Korangi Industrial Area Karachi

- Six Weeks Training on Pretreatment, Dyeing, Printing, Finishing and Testing of Fabrics

SMA Rizwi Textile Institute Korangi Industrial Area Karachi

- One Month Interactive Workshop on Textile Wet-Processing and Fabric Formation

Pakistan Institute of Cotton Research & Technology Karachi

- One Month Training on Cotton Spinning Processes and Laboratory Testing of Fibre, Yarn and Fabric

USTER Switzerland

- Training on *USTER TESTER-4* & *USTER TENSORAPID-4* at Mehran UET Jamshoro

Rieter Textile Systems Winterthur Switzerland

- Ten Days Rieter Training Course on UNIfloc A11, UNIClean B11, UNImix B70, UNIflex B60 and Card C51 Hi.Per at Mehran UET Jamshoro

Professional Memberships & Status

Specification and Evaluation Committee, Sindh Police Pakistan

- **Expert/Co-opt Member** – since 31 January, 2014

Charter Inspection and Evaluation Committee (CIEC), Govt. of Sindh

- **Expert Member** – since April, 2012

Pakistan Engineering Council (PEC)

- **Life Time Member** – since June, 2004

Higher Education Commission (HEC)

- **Approved Supervisor** – since April, 2012
- **Member, Curriculum Revision Committee, 2012**

Mehran University of Engineering & Technology Jamshoro

- **Syndicate Member**, Mehran University of Engg & Tech. – 2015 to date
- **Member of Finance and Planning Committee**, Mehran University of Engg & Tech. – 2016 to date
- **Member of Library Committee**, Mehran University of Engg & Tech. – August 2016 to date
- **Member of Senate**, Mehran University of Engg & Tech. – Nov 2013 to date
- **Member of Academic Council**, Mehran University of Engg & Tech. – Nov 2013 to date
- **Member of Board of Faculty**, Mehran University of Engg & Tech. – Nov 2013 to date
- **Member of Board of Study**, Department of Textile Engineering – April 2007 to date
- **Member of DMRC**, Department of Textile Engineering – March 2006 to date