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Qualification

Year	Degree	Name of the Institute/ University	Field of study
2015	**D.Eng.** (Doctor of Engineering)	College of Textiles, Donghua University, Shanghai, China	Textile Yarn Manufacturing
2009	**ME** (Master of Engineering)	Department of Textile Engineering, NED UET Karachi.	Textile Engineering
2004	**BE** (Bachelor of Engineering)	Department of Textile Engineering, Mehran UET Jamshoro.	Textile Engineering

Publications in HEC Recognized journals

S. No	Title of Paper	Name of Journal	National/ International	Publication date
1	Development of FBG pressure sensors using FDM technique for monitoring sleeping postures.	Sensors and Actuators	International/ SCI	2021
2	Composite of PLA Nanofiber and Hexadecyl Trimethyl-Ammonium Chloride-Modified Montmorillonite Clay: Fabrication and Morphology	Coatings	International/ SCI	2020
3	Bacterial cellulose natural fiber composite produced by fibers extracted from banana peel waste.	Journal of Industrial Textile	International/ SCI	2020
4	Characterization of electro spun grafted-PLA nanofibers modified via atom transfer radical polymerization	Journal of Industrial Textile	International/ SCI	2020
5	A Preliminary Study on the Effect of Short Fiber Content on Drafting Force and its Variability	Journal of Natural fibers	International/ SCI	2020

6	The production and characterization of microbial cellulose–electrospun membrane hybrid nano-fabrics.	Journal of Natural Fibers	International/ SCI	2019
7	Insitu Self-Assembly of Bacterial Cellulose on Banana Fibers Extracted from Peels	Journal of Natural Fibers	International/ SCI	2019
8	Drafting force measurement: A New method to Optimize Drafting Process.	Journal of Applied and Emerging Sciences	National	2019
9	A preliminary study on the preparation of seamless tubular bacterial cellulose-electrospun nanofibers-based nanocomposite fabrics	Journal of Composite Materials	International/ SCI	2019
10	A study of novel multifilament spreading and feeding method, to produce filament wrapped-staple core composite yarn using modified ring frame	The Journal. of The Textile Institute	International/ SCI	2019
11	Enhancement of anti-microbial activity by natural finishes prepared from herbal spices and wastage peel of fruits applied on textile substrate,	IOP Conference Series: Materials Science and Engineering	National	2018
12	Subjective evaluations of fabric-evoked prickle using unidimensional rating scale from different body areas	Textile Research Journal USA	International/ SCI	2016
13	Study of drafting force variability and sliver irregularity at break draft zone.	Textile Research Journal USA	International/ SCI	2015
14	Physical properties of plain single jersey-knitted fabrics made from blended and core-spun polysulfonamide /cotton yarns	Textile Research Journal USA	International/ SCI	2015
15	Drafting force measurement and its relation with break draft and short-term sliver irregularity	Indian Jour. Fiber Textile Res	International/ SCI	2014
16	Influence of GA-BP Artificial Neural Network based on PCA Dimension Reduction in Yarn Tenacity Prediction	Advanced Materials Research	International	2014
17	Cotton-elastane ring core spun yarn: A review	Research and reviews in polymer	international	2013
18	Dye fixation and decolorization of vinyl sulphone reactive dyes by...	Journal of Saudi chemical Society	International/ SCI	2013
19	Acoustical Properties of Honeycomb Fabric with Advance Material Micro-Plates	Journal of Applied and Emerging Sciences	National	2012

20	Effect of Textile Auxiliaries at Various Stages of Textile Wet Processing and Its Impact On Tensile Strength.	Jour. Chem. Soc. Pak	National	2007
21	Light fastness of Bi-functional reactive dyes with Pad-batch and Pad-dry-cure methods on cellulose substrate.	Jour. Chem. Soc. Pak	National	2007
22	Synthesis and study of some amino derivatives of triazinyl stilbene series as fluorescent whitening agent	Jour. Chem. Soc. Pakistan	National	2006
23	The study of electrolytes on the dye uptake of Bi-functional reactive red on cellulose substrate (cotton K-68)	Jour. Chem. Soc. Pak	National	2006

Paper Presented

S. No	Title of Paper	Name of Conference	National/ International	Date
1	Prediction of yarn quality from constituent cotton fiber characteristics using machine learning algorithms.	18th AUTEX World Textile Conference, Istanbul, Turkey	International	June 20-22, 2018,
2	different mordanting methods for Tencel fabric dyeing with pomegranate peel extracted dye	Sino-Africa International Symposium on Textiles & Apparel (SAISTA), Shanghai, China	International	1 May 2018
3	washing durability of natural antimicrobial finishes extracted from citrus fruits waste applied on cotton fabric.	17th AUTEX World Textile Conference, Corfu, Greece.	International	May 29-31, 2017
4	Effect of break draft on dynamic drafting force and short-term irregularity of carded cotton sliver	4th ITMC 2013 international conference lille France, 195-198.	International	October 19-11, 2013

Books Authored/ Edited

S. No	Name of book	Publisher	ISBN
1	Cotton Science and Technology, Chapter 5 Physical Structure, Properties and Quality of cotton fiber.	Springer Nature	9811591695
2	Cotton Science and Technology, Chapter 6 Cotton Fiber Testing	Springer Nature	9789811591693

Work Experience

S. No	From (year)	To (year)	Name of the Institution/ Organization	Position held

1	Dec 2021	(Present)	Department of Textile Engineering, Faculty of Engineering, BUITEMS.	Professor
2	Feb 2018	Dec 2021	Department of Textile Engineering, Faculty of Engineering, BUITEMS.	Chairman/Associate Professor
3	Nov 2010	Feb 2018	Department of Textile Engineering, Faculty of Engineering, BUITEMS.	Assistant Professor
4	Mar 2008	Nov 2010	Ministry of Textile Industry, Gov. of Pakistan.	Director
5	May 2005	Mar2008	PCSIR. Ministry of Science & Technology. Gov. of Pakistan.	Junior Engineer
6	Feb 2004	May 2005	Sapphire Textile Mills, Pvt Ltd.	Assistant Manager

Area of specialization	Natural Fiber Processing and Properties, Yarn Manufacturing
Research Interest	Sustainable Fibers for Textile Products, Natural Fiber Composites
Future Research Plans	Development of new ecofriendly, green fibers for textile industry
HEC Approved supervisor	Yes, ID no. 17534
If yes, provide HEC URL	https://www.hec.gov.pk/english/scholarshipsgrants/ASA/Pages/APS-EPORTAL.aspx
Research grants/ Projects	

Additional Information

Professional Memberships: Member Pakistan Engineering Council, Professional Engineer. No. Textile / 106 since 2004.

Auditor ISO 17025 for Textile Testing Labs.

Secured CSC scholarship for PhD studies from China Scholarship Council.

Secured 2nd Position in Bachelors of Textile Engineering studies.

Best research paper award for post graduate students at Dhonghua University, Published in TRJ USA. **Ranking**: 3/24 in Materials Science, Textiles.