

Hafeezullah Memon

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Center for Civil Aviation Composites, Donghua University, Shanghai, China



Academic Qualification

Ph.D. (Textile Engineering) (90 %) 2016 to 2020
Donghua University, China

M.E. (Textile Science and Engineering) (91 %) 2013 to 2016
Zhejiang Sci-Tech University, China

M.B.A. (Marketing) (84 %) 2011 to 2013
Institute of Modern Sciences and Arts, affiliated with the University of Sindh, Pakistan

B.E. (Textile Engineering) 2nd Position (89%) 2008 to 2011
Mehran University of Engineering and Technology, Pakistan

Work Experience

Teaching Assistant September 2017 to January 2020
Class of Composite Materials, Donghua University, China

Visiting Lecturer (Faculty Member) June 2016 to September 2016
Dadabhoj Institute of Higher Education, Gulshan-e-Hadeed Campus, Bin Qasim, Karachi Pakistan

Lab Demonstrator / Lecturer March 2016 to August 2016
Pakistan Bedwear Designing and Training Institute, Shahrah-e-Faisal, Near Laal Kothi, Karachi

Visiting Instructor April 2016 to August 2016
Pak-Korea Garment Technology Institute, Korangi, Karachi

Assistant Spinning Manager January 2012 to February 2013
Sapphire Textile Mills, Unit # 1), Sindh Industrial Trading Estate, Kotri, Pakistan

Thesis/Dissertation

- Ph.D. Dissertation on Synthesis and properties of recyclable epoxy resins containing dynamic covalent bonds in the research group of **Prof. Dr. Wei Yi**
- M.E. Dissertation on Study on the preparation and performance of multifunctional coated woven fabric under the supervision of **Prof. Chengyan Zhu**
- B.E. Thesis on Use of biodegradable organic salt for reactive dyeing of cotton fabric by exhaust method under the guidance of **Dr. Awais Khatri**

Books published

- Hua Wang, **Hafeezullah Memon***, Cotton Science and Processing Technology (from Gene to Garments), Springer Nature, in the Series: Textile Science and Clothing Technology, Series Ed.: Muthu, Subramanian Senthilkannan, Lead Editor: **Hafeezullah Memon**, ISSN: 2197-9863. (in the process)

1. **Hafeezullah Memon**, Yi Wei*, Liying Zhang, Qiuran Jiang, Wanshuang Liu*, An imine-containing epoxy vitrimer with versatile recyclability and its application in fully recyclable carbon fiber reinforced composites, *Composites Science and Technology*, 2020, (Accepted)
2. **Hafeezullah Memon**, Yi Wei*, Welding and reprocessing of disulfide-containing thermoset epoxy resin exhibiting behavior reminiscent of a thermoplastic, *Journal of Applied Polymer Science*, 2020, <https://doi.org/10.1002/app.49541>
3. **Hafeezullah Memon**, Haiyang Liu, Muhammad A. Rashid, Li Chen, Qiuran Jiang, Liying Zhang, Yi Wei*, Wanshuang Liu*, Yiping Qiu, Vanillin-based epoxy vitrimer with high performance and closed-loop recyclability, *Macromolecules*, 2020, 53(2), 621-630.
4. **Hafeezullah Memon**, Hua Wang*, Enock Kiptoo Langat, Determination and characterization of the wool fiber yield of Kenyan sheep breeds: an economically sustainable practical approach for Kenya, *Fibers*, 2018, 6(3), 55.
5. **Hafeezullah Memon**, Hua Wang*, Sohail Yasin, Adeel Halepoto, Influence of incorporating silver nanoparticles in protease treatment on fiber friction, antistatic and antibacterial properties of wool fibers, *Journal of Chemistry*, 2018, 4845687.
6. **Hafeezullah Memon***, Naveeta Kumari, Study of multifunctional nanocoated cold plasma treated polyester cotton blended curtains, *Surface Review and Letters*, 2016, 23(5), 1650036.
7. **Hafeezullah Memon***, Naveeta Kumari, Abdul Wahab Jatoi, Nazakat Ali Khoso, Study of the indoor decontamination using nanocoated woven polyester fabric, *International Nano Letters*, 2016, 7(1), 1-7.
8. **Hafeezullah Memon***, Sohail Yasin, Nazakat Ali Khoso, Samiullah Memon, Study of wrinkle resistant, breathable, anti UV nanocoated woven polyester fabric, *Surface Review and Letters*, 2016, 23(3), 1650003.
9. **Hafeezullah Memon**, Wang Ningning, Zhu Chengyan*, Study on sound insulation properties of different coated woven fabrics, *Journal of Fiber Bioengineering and Informatics*, 2015, 8(4), 645-656.
10. **Hafeezullah Memon***, Zamir Ahmed Abro, Arsalan Ahmed, Nazakat Ali Khoso, Considerations while designing acoustic home textiles - a review, *Journal of Textile and Apparel, Technology and Management*, 2015, 9(3): 1-29.
11. **Hafeezullah Memon***, Sohail Yasin, Nazakat Ali Khoso, Munir Hussain, Indoor decontaminating textiles by photo catalytic oxidation – a review, *Journal of Nanotechnology*, 2015, 104142.
12. **Hafeezullah Memon***, Awais Khatri, Nazakat Ali Khoso, Samiullah Memon, Dyeing recipe optimization for eco-friendly dyeing and mechanical properties analysis of eco-friendly dyed cotton fabric, *Journal of Natural Fibers*, 2016, 13(6), 749-758.
13. **Hafeezullah Memon**, Wang Ningning, Wang Jue, Zhu Chengyan*, preparation and performance of photocatalytic fabric loaded with nano-TiO₂, *Journal of Zhejiang Sci-Tech University (Natural Sciences)*. 2016, 35(1), 17-21.
14. **Hafeezullah Memon***, Nazakat Ali Khoso, Samiullah Memon, Ningning Wang, Chengyan Zhu, Formulation of eco-friendly inks for ink-jet printing of polyester and cotton blended fabric *Key Engineering Materials, Wool and Textiles Sustainable Development*, 2015, 671, 109-114.
15. **Hafeezullah Memon***, Nazakat Ali Khoso, Samiullah Memon, Effect of dyeing parameters on physical properties of fibers and yarns, *International Journal of Applied Science and Engineering Research*, 2015, 4 (4), 401-407.
16. Hua Wang, **Hafeezullah Memon***, Rashid Abro, Asif Shah, Sustainable Approach for Mélange Yarn Manufacturers by Recycling Dyed Fibre Waste, *FIBRES & TEXTILES in Eastern Europe*, 2020, 3(141):8-22.
17. Hua Wang, Amjad Farooq, **Hafeezullah Memon***, Influence of cotton fiber properties on the microstructural characteristics of mercerized fibers by regression analysis, *Wood and Fiber Science*, 2020, 52(1), 13-27.

18. Qiaole Hu, **Hafeezullah Memon**, Yiping Qiu, Wanshuang Liu*, Yi Wei*, A Comprehensive Study on the Mechanical Properties of Different 3D Woven Carbon Fiber-Epoxy Composites, *Materials*, 2020, 13(12), 2765; <https://doi.org/10.3390/ma13122765>
19. Sidra Saleemi, Tayab Naveed, Tabinda Riaz, **Hafeezullah Memon**, Javeed Ashraf Awan, M. Irfan Siyal*, Fujun Xu*, Jihyun Bae*, Surface functionalization of cotton and PC fabrics using SiO₂ and ZnO nanoparticles for durable flame retardant properties, *Coatings*. 2020, 10(2), 124.
20. Md Sohag Miah, Jianyong Yu, Yuqiu Yang*, **Hafeezullah Memon**, Muhammad A. Rashid, Durability and notch sensitivity analysis of environmental ageing induced glass fiber mat and Kenaf fiber mat-reinforced composites, *Journal of Industrial Textiles*, 2019.
21. Hua Wang, Fariyal Islam Farha, **Hafeezullah Memon***, Influence of ultraviolet irradiation and protease on scale structure of alpaca wool fibers, *Autex Research Journal*, 2019.
22. Hua Wang*, **Hafeezullah Memon**, Elwathig A. M. Hassan, Md. Sohag Miah, Md. Arshad Ali, Effect of jute fiber modification on mechanical properties of jute fiber composite, *Materials*, 2019, 12(8), 1226.
23. Elwathig A. M. Hassan, Tienah. H. H. Elagib, **Hafeezullah Memon**, Muhuo Yu*, Shu Zhu*, Surface modification of carbon fibers by grafting PEEK-NH₂ for improving interfacial adhesion with polyetheretherketone, *Materials*, 2019, 12(5), 778.
24. Qiaole Hu, **Hafeezullah Memon**, Yiping Qiu, Yi Wei*, The failure mechanism of composite stiffener components reinforced with 3D woven fabrics, *Materials*, 2019, 12(14), 2221.
25. Qiaole Hu, Yihui Zhang, Yanyun Mao, **Hafeezullah Memon**, Yiping Qiu, Yi Wei*, Wanshuang Liu*, A comparative study on interlaminar properties of l-shaped two-dimensional (2D) and three-dimensional (3D) woven composites, *Applied Composite Materials*, 2019, 26, 723–744.
26. Hua Wang, Elwathig A. M. Hassan, **Hafeezullah Memon**, Tienah. H. H. Elagib, Fadlelmoula Abad Allaldris*, Characterization of natural composites fabricated from abutilon-fiber-reinforced poly (lactic acid), *Processes*, 2019, 7(9), 583.
27. Hua Wang, **Hafeezullah Memon**, Elwathig A. M. Hassan, Tienah. H. H. Elagib, Fadlelmoula Abad Allaldris*, Muhuo Yu, Rheological and dynamic mechanical properties of abutilon natural straw and polylactic acid biocomposites, *International Journal of Polymer Science*, 2019, 8732520, 1-8.
28. Hua Wang*, **Hafeezullah Memon**, Syed Hamad Hassan Shah, Madjidov Shakhrukh, Development of a quantitative model for the analysis of the functioning of integrated textile supply chains, *Mathematics*, 2019, 7, 929.
29. Hua Wang*, Samiullah Memon, **Hafeezullah Memon**, Kenyan wool fiber properties sampled from different sheep body parts, *Journal of Dong Hua University (English Edition)*, 2018, 35(6), 503-508.
30. Munir Hussain, Feichao Zhu, Bin Yu*, Jian Han*, **Hafeezullah Memon**, Sohail Yasin, LMPP effects on morphology, crystallization, thermal and mechanical properties of iPP/LMPP blend fibres, *FIBRES & TEXTILES in Eastern Europe*, 2018, 26, 2(128), 26-31.
31. Sohail Yasin*, Danmei Sun*, **Hafeezullah Memon**, Feichao Zhu, Han Jian, Yu Bin, Ma Mingbo, Munir Hussain, Optimization of mechanical and thermal properties of iPP and LMPP blend fibres by surface response methodology, *Polymers*, 2018, 10(10), 1135.
32. Sean Bowman, Qiuran Jiang, **Hafeezullah Memon**, Yiping Qiu, Wanshuang Liu*, Yi Wei*, Effects of styrene-acrylic sizing on the mechanical properties of carbon fiber thermoplastic towpregs and their composites, *Molecules*, 2018, 23, 547.
33. Xiaoke Jin, **Hafeezullah Memon**, Wei Tian, Qinli Yin, Xiaogang Zhan, Chengyan Zhu*, Spectral characterization and discrimination of synthetic fibers with near-infrared hyperspectral imaging system, *Applied Optics*, 2017, 56(12), 3570-3576.
34. Ma Mingbo, Munir Hussain, **Hafeezullah Memon**, Zhou Wenlong*, Structure of pigment compositions and radical scavenging activity of naturally green-colored cotton fiber, *Cellulose*, 2016, 23(1), 955-963.
35. Samiullah Memon, **Hafeezullah Memon***, Nazakat Ali Khoso, Muhammad Qamar Khan, Impact of social media marketing on buying behavior of young Chinese population for textile commodities, *International Journal of Advanced Engineering and Applied Sciences*, 2016, 01(01).

36. Liu Yu, **Hafeezullah Memon**, Parag Bhavsar, Sohail Yasin*, Fabrication of alginate fibers loaded with silver nanoparticles biosynthesized via dolcetto grape leaves (vitis vinifera cv.): morphological, antimicrobial characterization and in vitro release studies, *Material Focus*, 2016, 5, 216–221.
37. Wenxia Chen, Jinsong Yu, Wei Hu, Zhili Chen, **Hafeezullah Memon**, Guangliang Chen*, Titanate nanowires/NiO nanoflakes core/shell heterostructured nanonocomposite catalyst for the methylene blue photodegradation, *RSC Advances*, 2016 (72), 67827-67832.
38. Puying Weng, Yanqing Li, **Hafeezullah Memon**, Chunfeng Kong, Lingfeng Kang, Chengyan Zhu*, Bulletproof performance of Kevlar and UHMWPE multi-layered textiles, *Advanced Textile Technology*, 2016, 24(3), 13-18.
39. Yu Liu, Munir Hussain, **Hafeezullah Memon**, Sohail Yasin*, Solar irradiation and Nageia Nagi extract assisted rapid synthesis of silver nanoparticles and their antibacterial activity, *Digest Journal of Nanomaterials and Biostructure*, 2015, 10 (3), 1019-1024.
40. Nazakat Ali Khoso*, **Hafeezullah Memon**, Munir Hussain, Noor Ahmed Sanbhal, Zamir Ahmed Abro, Production and characterization of wool and hair fibers in highlands of Baluchistan, an economic and sustainable approach for Pakistan, *Key Engineering Materials, Wool and Textiles Sustainable Development*, 2015, 671, 473-482.
41. Nazakat Ali*, Abdul Malik Rehan, Zamir Ahmed, **Hafeezullah Memon**, Ahmer Hussain, Effect of different types of seam, stitch class and stitch density on seam performance, *Journal of Applied and Emerging Sciences*, 2014, 5(1), 32-43.
42. Awais Khatri*, **Hafeezullah Memon**, Zaib-un-Nisa Bhatti, Shakeela Qureshi, Faisal Zaib, Reducing the effluent pollution by using trisodium nitrilotriacetate in batch process of dyeing cotton fabric with fiber-reactive dyes, *Proceedings of the International Colloquium in Textile Engineering, Fashion, Apparel and Design 2014*, Springer, August 25, 2014, 107-111.

Conference Papers/Presentations

1. **Hafeezullah Memon**, Wanshuang Liu*, Yi Wei*, Fully-recyclable high-performance carbon fiber reinforced composites, in Sino-Africa International Symposium on Textiles & Apparel at Donghua University, Songjiang, Shanghai, China on November 2019, pp. 176-181. (ISBN 978-7-5180-6625-4).
2. Rajnesh Kumar, Zhang Youwei*, **Hafeezullah Memon**, Syed Rashedul Islam, Qin Zongyi, Study of hydrophobic and oleophilic nanocoated PMMA based cotton fabrics, in Sino-Africa International Symposium on Textiles & Apparel at Donghua University, Songjiang, Shanghai, China on November 2019, , pp. 6-12 (ISBN 978-7-5180-6625-4).
3. **Hafeezullah Memon**, Wanshuang Liu*, Yi Wei*, Sustainable recyclable vanillin-derived crosslinked networks based on dynamic imine bond in 7th International Conference on Material Science and Engineering Technology held in Beijing, China on October 20-22, 2018.
4. Md Sohag Miah, **Hafeezullah Memon**, Yu Jianyong, Yang Yuqiu*, Mahima Naznin, Thermal and mechanical durability analysis of injection molded glass fiber-Kenaf fiber-PP hybrid composites, in the 10th International Conference on Green Composites at Quanzhou, China.
5. **Hafeezullah Memon***, Hua Wang, Samiullah Memon, Sustainable approach for mélange yarn manufacturers by recycling the dyed fiber waste, in the Second International Forum on Textiles for Graduate Students hosted by School of Textiles, Tianjin Polytechnic University, China on September 08-10, 2018.
6. Muhammad Qamar Khan, Mazhar Hussain Peerzada*, **Hafeezullah Memon**, The mathematical model of sewing thread consumption of stitch class 605, in 2nd NED International Textile Conference organized by Textile Engineering Department, NED University of Engineering & Technology, Karachi on February 17, 2016.
7. **Hafeezullah Memon***, Samiullah Memon, Nazakat Ali Khoso, Muhammad Qamar Khan, Global marketing strategy to sell Pakistani cultural textiles products in UK and in China – a key idea for entrepreneurship in the 2nd International Conference on Emerging Issues in Management and Economics, successfully held at the Balochistan University of Information Technology, Engineering and Management Sciences, Quetta, Pakistan on October 9-10, 2015.

8. **Hafeezullah Memon**, Wang Ningning, Weng Buying, Wang Quan, Wang Jue, Zhu Chengyan*, Wrinkle resistance and anti UV by nanocoating, with no change in visual appearance in the 6th International Color & Coating Congress organized by Institute for Color Science and Technology, at Talash Complex, Tehran, Iran on November 10 and 12, 2015.
9. **Hafeezullah Memon***, Nazakat Ali Khoso, Muhammad Mushtaq, Muhammad Qamar Khan, Samiullah Memon, Fareed Ahmed Halepoto, The effect of coating on the acoustical property of coated fabric in the 6th International Color & Coating Congress organized by Institute for Color Science and Technology, at Talash Complex, Tehran, Iran.
10. **Hafeezullah Memon***, Muhammad Awais Naeem, Zamir Ahmed Abro, Nazakat Ali Khoso, Muhammad Qamar Khan, Samiullah Memon, The effect of fabric parameters on the acoustical property of coated fabric in the 6th International Color & Coating Congress organized by Institute for Color Science and Technology, at Talash Complex, Tehran, Iran on November 10 and 12, 2015.
11. **Hafeezullah Memon**, Nazakat Ali Khoso, Buying Weng, Chengyan Zhu*, Effect of different types of washing processes on the strength and weight loss of the denim fabric in Neo-fiber Technology Seminar Series 9 at Zhejiang Sci-Tech University, Hangzhou, China on 24-26 November 2014.
12. Chengyan Zhu*, Buying Weng, Xichao Sun, Yanqing Li, Lingfeng Kang, **Hafeezullah Memon**, Interweave resistance of Kevlar/ Polypropylene fabric and bulletproof performance of STF-Kevlar composites in Neo-fiber Technology Seminar Series 9 at Zhejiang Sci-Tech University, Hangzhou, China on 24-26 November 2014.
13. **Hafeezullah Memon***, Application of textile composite in bags, in 3rd International Symposium on Advanced Textile Science and Technology by Zhejiang Sci-Tech University, Hangzhou, China, on November 7-9, 2013.
14. **Hafeezullah Memon***, Effect of biodegradable organic salts (trisodium NTA and tetra sodium EDTA) on the mechanical properties of cotton fabric dyed with reactive dyes in the Student Research Paper Conference 2012, Mehran University of Engineering and Technology, Pakistan.
15. **Hafeezullah Memon***, Innovation in textile technology in 1st Interdepartmental Presentation Contest organized by IIE MUET-Chapter and Industrial Student Organization, Department of Industrial Engineering and Management, Mehran University of Engineering and Technology, Jamshoro, Pakistan on March 26, 2009.

Awards

CSC Outstanding Award Chinese Scholarship Council, China	2020
Partial Scholarship Shanghai Government Scholarship Council	2016-2019
Third Prize of Outstanding Student Scholarship Award International Cultural Exchange School, Donghua University, China	2018-2019
Excellent Oral Presentation 7th International Conference on Material Science and Engineering Technology held in Beijing, China,	October 20-22, 2018
Excellent Social Award International Cultural Exchange School, Donghua University, China	Spring Semester of 2018
Fun with Flags-Voluntary Teaching Award International Cultural Exchange School, Donghua University, China	Spring Semester of 2018
Excellent Social Award International Cultural Exchange School, Donghua University, China	Autumn Semester of 2018

Grand Prize of NZ Spring International Student Scholarship International Cultural Exchange School, Donghua University, China	2017-2018
Jing Wei Cultural Ambassador International exchange project "Around the Globe" of the Experimental School affiliated to Donghua University, China, for the I-Teach Program	Fall Semester of 2017
First Prize 7th International Cultural Festival of Donghua University	2017
Full Scholarship Chinese Scholarship Council, China	2013-2016
Best Presentation (First Prize) Student Research Paper Conference 2012, Mehran University of Engineering and Technology, Pakistan	November 5, 2012
Best Research Paper (First Prize) Student Research Paper Conference 2012, Mehran University of Engineering and Technology, Pakistan	November 5, 2012
2nd Runner-up Intra Mehran Quiz Competition by American Society of Mechanical Engineers-Mehran University of Engineering and Technology Chapter, Pakistan	March 22, 2011
Second Position Mehran University of Engineering and Technology, Pakistan	2012

Industrial Projects

Study of Spinning Process from Mixing to Packing Amna Industries Pvt. Ltd, Karachi, Pakistan	December 21, 2008, to January 3, 2009
Study of Weaving Department Yunus Textile Mills, Landhi Industrial Area, Karachi, Pakistan	July 6, 2009, to July 18, 2009
Study of Different Departments of Garment Production Rajby Industries, Karachi, Pakistan	December 21, 2009, to January 2, 2010
Study of Printing Department Gul Ahmed Textile Mills Ltd, Karachi, Pakistan	June 14, 2010, to July 9, 2010
Dye Production, Textile Chemicals Production, Binder and Emulsion Production and Quality Assurance Clariant Ltd. Petaro Road, Jamshoro, Pakistan	September 22, 2010, to October 6, 2010
Back Process, Weaving, Finishing Department Indigo Textile Pvt. Ltd. Bin Qasim, Karachi, Pakistan	December 20, 2010, to January 1, 2011
Rotor Spinning and Maintenance Quetta Textile Mills, Kotri, Pakistan	January 17, 2011, to January 25, 2011
Ink-Jet Printing and designs Arman Tex Print, Faisalabad, Pakistan	June 27, 2011, to July 16, 2011

Professional Training

- Shanghai Textile Graduate Summer International Summer School** July 4, 2018, to July 15, 2018
Donghua University, China
- Advanced Instrumental Training** September 2017 to January 2018
College of Material Science and Engineering, Donghua University, China
- Training of Trainers in Apparel Manufacturing and Management** March 1, 2016, to April 4, 2016
United Nations Development Program-Youth Employment Project at Pak-Korea Garment Technology Institute, Korangi, Karachi
- PLC and Microcontroller and its Industrial Application** October 2010 to January 2011
Institute of Professional Advancement for Technology; in affiliation with SITE Association of Industry, Karachi, and Skill Development Council, Government of Pakistan

Membership and Associations

- Registered Engineer** Since 2012 to date
Pakistan Engineering Council
- Professional Member** February 2020 to February 2021
Society of Wood Science and Technology
- Regular Member** November 2015 to November 2020
Iran Color Society
- Student Member (Vice-president of SAMPE-DHU Chapter)** December 2018 to December 2020
Society for the Advancement of Material and Process Engineering
- International Editorial Board** Since June 2020 to date
Tekstilec, <http://www.tekstilec.si>