

SIDRA SALEEMI

Assistant Professor (BPS-19)
Department of Textile Engineering and
Technology
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Ph.D Scholar
Donghua University, Shanghai, China

Professional Experience

2014 to date

Assistant Professor

In Department of Textile Engineering and Technology,
University of the Punjab, Lahore Pakistan.

Responsibilities include.

- Designing Course outline for Master, B.Sc. and Diploma
- Member of Board of Studies
- Conduct research on Sol-gel Coatings and functionalization of textiles

2013 to 2014

Assistant Professor

In Department of Textile Engineering, Mehran University
of Engineering and Technology, Jamshoro,
Pakistan.

- Teaching Dyeing and Printing, Textile Finishing, Fabric Manufacturing || and Textile finishing Courses of under Graduate Students.
- Lab In-charge of Textile testing and quality control Laboratory since Aug 2012 to Sep 2014.
- Member of Nanotechnology Research Group

2008 to 2013

Lecturer

In Department of Textile Engineering, Mehran University
of Engineering and Technology, Jamshoro,
Pakistan.

Responsibilities include.

- Teaching Courses of under Graduate Students.
- Published Work Book of Dyeing and Printing for Under Graduates Students.

Professional Education

2017-date	PhD in Textile Composite Materials Donghua University, Shanghai- China
2009-2011	M.E in Textile Engineering Mehran University of Engineering and Technology, Jamshoro, Pakistan. CGPA: 4.00/4.00
2004-2008	B.E in Textile Engineering Mehran University of Engineering and Technology, Jamshoro, Pakistan. CGPA: 3.88/4.00
2001-2003	FSc(Pre-Engineering) Zain Public School Badin Marks: 828/1100 (75.2%)
1999-2001	Matriculation Fauji Foundation Model School Khoski Marks: 603/850 (70%)

Awards and Achievements

- Secured First Position with the highest Percentage 87.14 % in the Final year Examination from amongst 1st Position Holder of all Disciplines in the Faculty of Engineering and Declared as the Top of Faculty Graduates of 04 Batch and awarded **Gold Medal** for my meritorious academic achievements
- Secured First Position from First Year to Final year Examination in the Department of Textile Engineering and Declared as the Best Graduate of 04 Batch and awarded **Gold Medal** for my meritorious academic achievements.
- Secured First Position and Awarded **Silver Medal** for my meritorious academic achievements.
- Nominated for **Presidential Award i.e. IZAZ-E SABQAT** for the year 2008 from Mehran University of Engineering and Technology Jamshoro.

Research Domain

- Sol-gel Coatings
- Multifunctional technical textiles
- Surface Modification of Textiles
- Characterization of carbon nanotube yarn
- Application of Carbon Nanotubes in Smart Textiles
- Waste water Treatments

Research Publications

1. Xiao Xiao Wei, Mohamed Amine Aouraghe, Shasha Pang, Farial Islam Farha , **Sidra Saleemi**, Kun Zhang, Wei Liu and Fujun Xu" Highly stretchable electro-conductive yarn via wrapping carbon nanotube yarn on multifilament polyester yarn" *Published in Journal of Industrial Textiles* (2020 [DOI: 10.1177/1528083720957404](https://doi.org/10.1177/1528083720957404))
2. **S. Saleemi**, Z. A. Abro, A. H Shah, N. A. Rind, A. Anwar, A. W. Rajput "A Green and Cost-effective Approach to Reutilize the Effluent from Bleaching Process" *Published in journal of Applied and Emerging Sciences* Vol (09), Issue (02), (May, 2020) DOI: [10.36785/BUITEMS.JAES.277](https://doi.org/10.36785/BUITEMS.JAES.277)
3. **Sidra Saleemi**, Tayab Naveed, Tabinda Riaz, Hafeezullah Memon ,Javeed Ashraf Awan, M. Irfan Siyal , Fujun Xu and Jihyun Bae." Surface Functionalization of Cotton and PC Fabrics Using SiO₂ and ZnO Nanoparticles for Durable Flame Retardant Properties" *Published in Coatings* (February 1, 2020) [doi:10.3390/coatings10020124](https://doi.org/10.3390/coatings10020124) .
4. Zhiyong Wang, Jianhua Wu, Xiaoxiao Wei, **Sidra Saleemi**, Wei Liu, Wei Li, Ifra Marriam aand Fujun Xu,"Bio-Inspired Microstructure-Reorganized Behavior of Carbon Nanotube Yarn Induced by Cyclic Stretching Training" *Published in Journal of Materials Chemistry C* (2020) [DOI: 10.1039/c9tc06056a](https://doi.org/10.1039/c9tc06056a).
5. Yunfei Bai, Qi Xia, Jianghan Feng, Han Liu, Jialin Zheng, Danyao Xu, **Sidra Saleemi** and Fujun Xu*,"Braided Rope Sensor Based on Carbon Nanotube Yarn", *Published in Journal of Textile Science & Fashion Technology*, July 2019
6. Amna Siddique, Sharjeel Abid, Faizan Shafiq, Yasir Nawab, Hailou Wang, Baohui Shi, **Sidra Saleemi**, Baozhong Sun,"Mode I fracture toughness of fiber-reinforced polymer composites: A review" *Published in Journal of Industrial Textiles* (June 24, 2019) <https://doi.org/10.1177/1528083719858767>

7. Liyong Wang, Xiaohua Liu, **Sidra Saleemi**, Yinjiang Zhang, Yiping Qiu, Fujun Xu, "Bending properties and failure mechanisms of three-dimensional hybrid woven spacer composites with glass and carbon fibers", Published in *Textile Research Journal* in **(March 2019)** <https://doi.org/10.1177/0040517519837730>
8. Shahzad Maqsood Khan, Samander Ali Malik, Nafisa Gull, **Sidra Saleemi**, Atif Islam & Muhammad Taqi Zahid Butt," *Fabrication and modelling of the macro-mechanical properties of cross-ply laminated fibre-reinforced polymer composites using artificial neural network*", Published in *Advanced Composite Materials* (**February 2019**)DOI: 10.1080/09243046.2019.1573448.
9. T. Naveed, Y. Zhong, A. Hussain, A. A. Babar, A. Naeem, A. Iqbal, and **S. Saleemi**," *Female Body Shape Classifications and Their Significant Impact on Fabric Utilization*", Published in *Fibers and Polymers* (**2018**), Vol.19, No.12, 2642-2656, DOI 10.1007/s12221-018-8258-0
10. Chun-Hui Chen, **Sidra Saleemi**, Xiao-hua Liu, Yi-ping Qiu & Fu-Jun Xu," *Hydrophobic lipophilic modified cotton fabric for oil absorption applications*", published in *Journal of Natural Fibers*, Poland, (**2018**), DOI: 10.1080/15440478.2018.1476946
11. **Sidra Saleemi**, Abdul Malik Rehan, Abbasi, Zamir Ahmed Abro, Nadir Ali Rind and Fujun Xu," *Preparation of Phase Change Material on Polyester/Cotton Blend*", published in *IOP Conf. Series: Materials Science and Engineering* 414 (**2018**) 012024 doi:10.1088/1757-899X/414/1/012024
12. Tabinda Riaz, Adnan Admad, **Sidra Saleemi**, Adbul Moqheet Hai, Tahir Jamil," *Synthesis and Characterization of Polyurethane-Cellulose Acetate blend membrane for Chromium (VI) removal*" Published in *Carbohydrates Polymers* 153 (**2016**) 582-591 (ISSN : 0144-8617) I.F = 4.2
13. Samander Ali Malik, **Sidra Saleemi**, Naveed Mangel, "Predicting Hydrophobicity of Silica Sol Coated Dyed Cotton Fabric by Artificial Neural Network and Regression Techniques Published in *Indian Journal of Fibers and Textile Research* in march **2016** vol. 41, pp 67-72 (ISSN: 0971-0426), I.F = 0.778
14. Samander Ali Malik, Rabia Almas, Zeeshan Khatri, **Sidra Saleemi**, Chokri Cherif," *Neural network modeling and principle component analysis of antibacterial activity of chitosan/ AgCl-Tio2 colloid treated cotton fabric*", published in *Fiber and Polymer* 16 (5), 1142-1149, **2015** (ISSN: 1875-0052). I.F = 1.2
15. **Sidra Saleemi**, Farooq Ahmed Arain, Samander Ali Malik, "Study of Physical Properties of Nano-Silica Coated Cotton Textiles" Published in *Mehran University*

Research Journal of Engineering & Technology 34 (2), 202-207, **2015** (ISSN 0254-7821).

16. Farooq Ahmed, **Sidra Saleemi**, Zeeshan Khatri "Co-Electrospun Poly(ϵ -caprolactone)/Cellulose nanofibers- fabrication and characterization" Published in Carbohydrate Polymers 115 (**2015**) 388–393 (ISSN : 0144-8617) I.F = 3.916.
17. Farooq Ahmed, **Sidra Saleemi**, Abdul Waqar Rajput, Irfan Ahmed Sheikh, and Abdul Razaque Sahito, "Characterization of Rotor Spun Knitting Yarn at High Rotor Speeds" Published in Technical Journal, University of Engineering & Technology (UET) Taxila, Pakistan (ISSN: 2313-7770) Vol. 19 No, IV- **2014**.
18. **Sidra Saleemi**, Samander Ali Malik, Uzma Syed and Anwaruddin Tanwari, "Investigation of wash durability of hydrophobic 100% Cotton dyed Fabric Treated by Sol-Gel Technique" published on December 1, **2014** in Volume 9, Issue 4, in Journal of Engineered Fibers and Fabric. ISSN: 1558-9250). I.F = 0.807, USA
19. Farooq Ahmed, Abdul Waqar Rajput, Abdul Razaque Sahito, **Sidra Saleemi** "Impact of Trifling Quantity of Polyester Content on Physical Characteristics of Low Twist Rotor Spun Yarn" published in Journal of Science International 26(1), 279-282, **2014**, (ISSN 1013-5316) Lahore.
20. Rabia Almas Arain, Nadir Ali Rind, **Sidra Saleemi**, "Effect of PVA concentration on air permeability of polyurethane laminated cotton fabric and dyeing of laminated fabric" published in International Journal of Chemical and Environmental Engineering Vol 4- No 6, 378-380,**2013** (ISSN 2078-0737). G.I.F = 0.367
21. **Sidra Saleemi**, Atif Ejaz, Rabia Almas, Anwar uddin Tanwari, "Sol-gel treatment of direct dyed cotton fabric with Aerosil®200 to enhance water repellency and fastness properties" published in Journal of Science International 25(4),823-827,**2013** (ISSN 1013-5316), Lahore.
22. S. A. Malik, N. Mengal, **S. Saleemi**, S. A. Abbasi, "Blended yarn analysis: Part II - Influence of Twist Multiplier and Back Roller Cot Hardness on Mass Variation, Hairiness and Physical Properties of 15 Tex PES/CO Blended Ring Spun Yarn" published in Journal of Natural Fibers, 10 (3), 271-281, Poland,**2013**. (ISSN: 1544-0478, 1544046X), I.F = 1.1
23. **Sidra Saleemi**, Nadir Ali Rind "Nano-silica based sol-gel coating of direct dyed cotton fabrics to improve colorfastness properties" published in Advance Materials Research Vols. 538-541 (2012) pp 2251-2254. Online available since **2012** /Jun/14. (ISSN: 1662-8958).

Contribution in National and International Conferences

1. 2019 International Conference on Advanced Fibers and Polymer Materials (ICAFPM 2019) held on Nov, 19th–23rd, 2019, in Donghua University Shanghai, China.
2. Fifth Sino-Africa International Symposium on Textile and Apparel (SAISTA 2019) held on Nov 8-9, (2019) in Donghua University Shanghai, China.
3. 4th Sino-Africa International Symposium on Textile and Apparel and Sino-Africa Cultural Exchange Forum held on Sep 17th-18th, 2018 Donghua University, Shanghai, China.
4. 3rd Sino-Africa Symposium on Textiles and Apparel (SAISTA) 2017 held on Nov 17th - 18th (2017) in Donghua University, Shanghai, China.
5. 2nd International Conference on Chemical and Biological Processes (ICCBP-2013) held during July 4th -6th, (2013) Kuala Lumpur, Malaysia.
6. 4th International Conference on Textiles and Clothing organized by School of Textile & Design, March 28-30, (2013) U.M.T Lahore, Pakistan.
7. International Conference on Advanced Engineering Materials and Technology, July 06-08, (2012) Zhuhai, China.
8. Student Research Paper Conference organized by Department of Textile Engineering, November 05, (2012) M.U.E.T Jamshoro, Pakistan.

References

Prof. Dr. Zeeshan Khatri,
Chairman,
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