

Dr. Fareha Asim

OBJECTIVE

To retain professional excellence, accept challenges and to make things possible which seems to be impossible.

PERSONAL

Father's Name	M. Aslam Khan
Date of Birth	September 17 th , 1983.
Domicile	Karachi (Sindh)
Religion	Islam
Nationality	Pakistani

ACADEMIC QUALIFICATIONS

2008-2011 Ph.D. (Textile) NED University of Engineering and Technology

- Ph.D. research title “Development of a combined process for reactive printing and crease resistance finish for cotton fabric using experimental design technique.”

2004-2005 M. Engg. (Textile) NED University of Engineering and Technology

- Secured CGPA 3.75

1999-2003 B.E. (Textile) NED University of Engineering and Technology

- 1st POSITION in all four years

1998-99 H.S.C. (Pre Engineering) Sir Syed Govt. Girls College

- Secured 77 %

1996-97 S.S.C. H. N. Public School, F.B Area, Karachi, Pakistan.

- Secured 80 %

PUBLICATIONS

1. F. Asim, M. Mahmood; Statistical Modeling of Tear Strength for One Step Fixation Process of Reactive Printing and Easy Care Finishing, “Mehran University Research Journal of Engineering & Technology (HEC recognized Category X Journal)”, unconditionally accepted for publication, May 2016.
2. F. Asim, M. Mahmood; Effects of Process Parameters on Ozone Washing for Denim using 3^3 Factorial Design, “Mehran University Research Journal of Engineering & Technology (HEC recognized Category X Journal)”, unconditionally accepted for publication, November 2016.
3. F. Asim, M. Mahmood; 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)”, Vol.3, No. 2, February 2015.
4. F. Asim, M. Mahmood; Mathematical Modelling of Dry Crease Recovery Angle for Single Step Fixation of Reactive Printing and Crease Resistance Finishing of Cotton Fabric using DOE “International Journal of Textile Science”, Vol.2, No. 3, June 2013.
5. F. Asim, M. Mahmood; Mathematical Modelling 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”, Vol.3, April 2013.
6. F. Asim, N. Kausar, M. Mahmood; Reaction Mechanism of Single Step Fixation Process of Reactive Printing and Crease Resistance Finishing of Cotton Fabrics “International Journal of Textile Science”, Vol.2, April 2013.
7. F. Asim, M. Mahmood; Effects of Process Parameters on Single Step Fixation of Reactive Printing and Crease Resistance Finishing of Cotton Fabrics using 2^3 Factorial Design “International Journal of Textile Science”, Vol.2, No.1, February 2013.

8. F. Asim, M. Mahmood; Reactive Printing and Crease Resistance Finishing of Cotton Fabrics-Effects of Fixation Modes by $2^2.4^1$ Mixed Factorial Design “International Journal of Textile Science”, Vol.1, No.6, December 2012.
9. F. Asim, M. Mahmood; Multi response optimization of simultaneous fixation of reactive printing and crease resistant finishing using desirability function “International Journal of Statistics and Applications”, Vol.2, No.6, December 2012.
10. F. Asim, M. Mahmood, M. A. Siddiqui, Optimization of process parameters for simultaneous fixation of reactive printing and crease resistant finishing, Journal of Textile and apparel Technology Management Volume 7, Issue 03, Spring (2012).
11. F. Asim, M. Mahmood, M. A. Siddiqui, Optimization of process parameters for simultaneous fixation of reactive printing and crease resistant finishing using desirability function, Proceedings of the World Congress on Engineering and Computer Science 2011 Vol. II, San Francisco, USA, October 2011.
12. F. Asim, M. Mahmood, Reactive printing and crease resistance finishing of cotton fabrics, Part-I Study of influential factors by an experimental design approach, Journal of Textile and apparel Technology Management Volume 7, Issue 01, Spring (2011).
13. F. Asim, M. Mahmood, Combined process for reactive printing and crease resistance finishing for cotton fabric using an experimental design technique, Pakistan Textile Journal, April 2010.

CONSULTANCY PROJECT, SEMINARS, WORKSHOPS AND SYMPOSIA

- Completed a consultancy project titled as “Dyneema yarn/liner dyeing using conventional techniques” for Midas Safety Clothing (Pvt.) Ltd in April 2017.
- Conducted a seminar on “Energy conservation methodologies in wet processing industries” at Textile Asia conference 2016, Karachi Expo Centre, Pakistan.

- Organized and participated as a member technical committee, member printing and publication committee and as a host in second NED International Textile Conference held on 17-18 February 2016 .
- Organized and presented a paper in 1st International Textiles Conference 2014 held on 13-03-14 at NED UET, Karachi, Pakistan.
- Conducted a Technical seminar on “Energy Management in Textile” at Textile Commissioner's Organization, Government of Pakistan.
- Presented a paper under a category of "Young Researcher Award" in 5th International Technical Textiles Conference 2012 held on 17-11-12 and won second award.
- Attended a workshop on “Citation and Referencing in Research using Endnote X4” by IRP.
- Three days Course work on “ISO-17025 Lab Management Systems” organized by PIQC.
- Attended a Seminar on “Production Management for Garment Industry by SMEDA.
- Attended a Seminar on “Development quality supervisors for Garment Industry” Organized by SMEDA.
- Attended a two days training program on Management & Communication Skills.
- Attended a three days training program on Effective Teaching Practice.
- Attended a one day training program on Research Methodologies.

HONORS

- Secured first-class first position throughout four years B.E. Textile Program also awarded Gold Medal by University administration.
- Acquired a Crescent award in 2nd All Pakistan DICE Textile Innovation Event March 2017 on undergraduate project titled as “Modification in condensate recovery system of cylinder dryers”.
- Co-Supervising a PhD research work titled as “Experimental Investigation and Mathematical Modeling of Pilling Performance of Bamboo/Poly Woven Fabrics”.
- Reviewer of the journal "Textile Research Journal" , “International Journal of Economics, Finance and Management Sciences”, “International Journal of Energy and Power Engineering” and “Journal of Textile Science & Engineering”.
- Honor of securing highest percentage in B.E (Textile) 90% till now.

TECHNICAL EXPERIENCE

- Redesigned the glue application device of the rotary printing machine, as final year project. This project is given by Gul Ahmed Textile Mills and has been performed there.
- Training in the Processing Department of Gul Ahmed Textile Mills, during three weeks Training program worked on different dyeing and finishing machines.
- Attended three weeks Training Program in Orient Textile Mills Ltd. During the program worked on different Warping, Sizing and Weaving Machines with special emphasis on Quality Control, FIQC and Quality Management System
- Training in Garment unit of Fashion wear, for duration of two weeks. During training worked on different sections of Garment manufacturing.
- Training in the Processing Department of Gul Ahmed Textile Mills, during five weeks training program worked on the project of “STENTER”.
- Training in the Spinning Department of Al-Karam Textile Mills Ltd. for duration of three weeks.
- Attended four weeks training program at Clariant. Working on dyeing, printing & finishing on the lab scale.

SPECIAL ABILITIES

- Proficient in Design Expert 7.0 and 8.0 software
- Skilled in MS-Project, MS-Word, MS-Power Point, MS-Excel.

TEACHING EXPERIENCE

- Associate Professor, Department of Textile Engineering, 14-06-2012 to date, NED University of Engineering & Technology.
- Assistant Professor, Department of Textile Engineering, 07-01-2008 to 13-06-12, NED University of Engineering & Technology.
- Lecturer, Department of Textile Engineering, 12-04-2004 to 06-01-2008, NED University of Engineering & Technology.

Teaching at undergraduate and post graduate level of following subjects:

- TE-414: Textile Chemical Processes-II

- TE-304: Textile Mill Utilities-I
- TE-307: Utilities for Textiles
- TE-451: Automation and Controls in Textile
- TE-305: Quality Control in Textiles
- ME-205: Elements of Machine Dynamics & Design
- TE-207: Machine Design
- TS-245: Pre-treatment in Textiles
- TE-601: Chemistry of Chemical Finishing of Textiles
- TE-609: Advanced Finishing Process

Additional Responsibilities: Class Advisor, Project Supervisor, Lab Incharge.

Others: Board Member of BOS (Textile), BOR (DIL), and Duty Society, In charge Green Society and Faculty Advisor of AATCC-NED Chapter.

PROFESSIONAL MEMBERSHIP

- Senior Member AATCC
- Corporate member of SDC.
- Professional Engineer.

AREAS OF INTREST

- Design of Experiment.
- Research and Developments.
- Printing and Finishing.

LANGUAGES

- English and Urdu