

Dr.FARHANA NAEEM

PhD (Textile), M.Engg. (Textile Engineering), B.E. (Textile Engineering)

Contact- farhanap@neduet.edu.pk

EDUCATION

NED University of Engineering and Technology, Karachi, Pakistan.

Doctor of Philosophy (PhD), Textile, August 2014 – December 2019

NED University of Engineering and Technology, Karachi, Pakistan.

Master of Engineering (M.Engg.), Textile Engineering, 2008

NED University of Engineering and Technology, Karachi, Pakistan.

Bachelor of Engineering (B.E.), Textile Engineering, 2002

St. Joseph Govt. College for women. Karachi, Pakistan.

Higher Secondary School Certificate (H.S.C.), Pre-Engineering, 1997

Dastagir Govt. girls School, Karachi, Pakistan.

Secondary School Certificate (S.S.C.), Science, 1995

PUBLICATIONS

JOURNAL PAPER

Naeem, Farhana; Asim, Fareha; Tufail, Muhammad, "Pilling Performance Improvements of Fabrics made with Bamboo Rayon and Bamboo Rayon/Cotton Blends"., AATCC Journal of Research, Volume 5, Number 6, November/December 2018, pp. 8-16(9)

Naeem, F.Asim and M.Tufail , anti-pilling & resin finishing of rayon and rayon /cotton fabrics, using 2332 mixed level factorial design"., AATCC Journal of Research, Volume 7, Number 5, September/October 2020, pp. 32-37.

Naeem, F., Asim, F. and Tufail, M., 2022. Performance evaluation of anti pilling and easy-care finished rayon and rayon/cotton satin fabric. Journal of Natural Fibers, 19(3), pp.1033-1047.

Naeem F, Asim F, Tufail M. Effect of Crosslinking Agents on the Strength Characteristics of Cellulosic Fabrics Using 23 32 mixed level factorial Volume 50 · Number 4 · 2021 · 319–330 (<https://doi.org/10.1108/PRT-06-2020-0062>)

Naeem F, Asim F, Tufail M. Multi response optimization in the development of anti-pilling and easy care finished rayon from bamboo and bamboo/cotton fabrics using desirability function. Mehran University Research Journal of Engineering and Technology. 2022 Apr 1;41(2):116-26.

Naeem, F., Asim, F. and Tufail, M., 2021. Investigation into the effect of resin finish on the functional

characteristics of plain fabrics using different curing methods. Pigment & Resin Technology.

Asim, F. and Naeem, F. (2022), "Investigation of self-cleaning attributes of denim fabric modified with naturally synthesized ZnO nanoparticles", Pigment & Resin Technology, Vol. ahead-of-print No. ahead-of-print. <https://doi.org/10.1108/PRT-04-2022-0042>

Naeem F, Hussain MD, Khan DR. Characterization of Water Repellent and Flame Retardant Finished Cotton Canvas Fabric for Bivouac Tents. AATCC Journal of Research. 2022. Volume 10, issue 1,pg 40-50 doi:10.1177/24723444221132310

AATCC Journal of Research, An Investigation into Design of Blood Pressure Cuffs Using the Tekscan Pressure Sensing System (<https://doi.org/10.1177/24723444221132326>)

CONFERENCE PAPER

F.Naeem, F.Asim and M.Tufail, Bio polishing Of Bamboo and Bamboo/Cotton Woven Fabrics Using Experimental Design Technique. Presented in 2nd International Forum of Textile for graduate students. Tianjin Polytechnic University- CHINA

F.Naeem, F.Asim and M.Tufail, Effect of Sanforizing on Pilling Resistance of Bamboo and Bamboo Cotton Fabric, Using 24 Factorial Design. Presented in 5th International Conference on Value Addition and Innovation in Textiles (COVITEX) 20-21 March 2019 National Textile University, Faisalabad

F.Naeem, F.Asim and M.Tufail, Investigation to improve the pilling & wrinkle resistance properties of Bamboo and Bamboo/cotton fabrics. Presented on 3rd March 2020, in 4th NED International Textile Conference (ITC).

HEC Approved PhD Supervisor

Via letter Ref. HEC/HRD/ASA/2020/66597

EXPERIENCE

NED University of Engineering & Technology (December2008 –continued)

Working as Assistant Professor in Textile Engineering Department

➤ Taught courses

- Textile Fabric Manufacturing Processes
- Textile Product Evaluation-I
- Textile Product Evaluation-II
- Solid Mechanics-I

- Automation and Control in Textile
 - Textile Dyeing
 - Textile Testing II
- Class Advisor B.E -2010
 - Class Advisor T.E -2011(Spring & Fall Term)
 - Class Advisor TS (2014, 2016 and 2019)
 - Class Advisor B.E -2020-23
- Developed Physical and Wet testing laboratory of Textile Engineering Department
- Others
 - Member BOS of Textile Engineering Department 2010
 - Member BOR of Library 2011
 - Lab Incharge of Fiber, Yarn & Fabric Laboratories till march 2020
 - Member of technical committee for the purchase of Testing Equipment's
 - Member of Organizing Committee of International Textile Conference (ITC) 1st, 2nd and 3rd.
 - Committee member in designing of new courses

SGS-Pakistan (June2006- December2008)

Worked as Assistant Manager Customer Services & Responsible for

- All customer services activities.
- Managing work force
- Responsible for Technical Visits of client
- Responsible for technical session/seminars for client
- Responsible for the Evaluation of subcontract labs
- Responsible for Complains handling regarding testing
- Actively participating in the New Business development program.

AI- ABID SILK MILLS (September 2005-May2006)

Worked as Lab application in charge & responsible for

- All the physical testing of on line production & development both R & D lab & QC Lab
- Managing work force
- Worked as in charge in the development of new QC lab
- Responsible for the inspection of incoming dyes & chemical for production
- Responsible for the Buyer Audits (Like JC Penny, Ikea etc.)
- Responsible in the development of the samples for OKEO TEX certification
- Responsible for all the testing of the customer done at outside lab
- (SGS,ITS,BVQI etc)
- Studying, purchasing, Installation, maintenance of all new equipment related with testing.

Nakshbandi Textile Industries (June 2002-July2005)

Worked as senior Quality controller, responsible for

- Managing work force

- All the physical testing of on line production & development
- Responsible of development sample as per client protocol
- Responsible in the development of the samples for OKEO TEX certification
- Study, purchasing, Installation, maintenance of all new equipment related with testing.
- Responsible for all the testing of the customer done at outside lab (SGS,ITS,BVQI etc)
- On hand experience on Tensile strength (TITAN), Elma tear strength tester, Ci -300 light fastener tester, Dupont apparatus for lycra testing, crease recovery, wrinkle recovery, crock meter etc.

PROJECTS

Environmental Management consultant (EMC) (June-August 2003)

Worked as a Consultant with EMC on the project of Environmental Impact Assessment of Artistic Milliners Spinning & Dyeing Division Karachi.

Alkaram Textile Mills (Apprenticeship 2002)

Worked as System Assistant on the implementation of ISO 14000

NED FUNDED PROJECTS

Investigation to improve the pilling resistance of bamboo/cotton woven fabrics *(Worked as a PhD Scholar)*

Development of Personal Protective Equipment (PPE) using bamboo cotton knitted fabric. *(Worked as a supervisor)*

COURSES AND TRAININGS

- ❖ Managerial Courses Organized By PIQC
 - Course on internal Auditing
 - Quality Circles and Kaizen
 - Decision Making And Problem Solving
 - Communication skills
 - IMAGE power
 - Conflict management
- ❖ Attended Various Trainings Organized by N.E.D UNIVERSITY of Engineering & Technology.

CONTACT

Dr Farhana Naeem
Assistant Professor
Textile Engineering Department
NED University of Engineering & Technology
University Road, Karachi - 75270, Pakistan
Telephone: (92-21) 99261261-8 Ext 2365
Email: farhanap@neduet.edu.pk