

Muhammad Zubair

Lecturer,
Department of Textile Engineering,
NED University of Engineering & Technology, Karachi
Pakistan
mzubair@neduet.edu.pk

Specialties

Textile Wet Processing (Pretreatment, Dyeing, Printing and Finishing) of cotton, Polyester and their Blends - Process and Machinery, Health, Safety & Environment (OHSAS 18001 & ISO 14001)

Experience

PhD Student **August 2011 – Present**
College of Textiles, North Carolina State University

Fulbright PhD Scholarship

Lecturer, Department of Textile Engineering **January 2008 - Present**
NED University of Engineering & Technology, Karachi

On study leave for PhD.

Taught following courses at Undergraduate level:

- Polymer & Fiber Science (First Year)
- Textile Preparation, Dyeing and Finishing (Third Year)
- Textile Printing (Final Year)

Other responsibilities were:

- Undergraduate Project Advisor
- Area Co-ordinator ISO 9000 QMS
- Incharge Dyeing and Finishing Laboratories
- Class Adviser

Management Trainee, Technical Department **January 2007 – January 2008**
Gul Ahmed Textile Mills Ltd, Karachi

Worked in Technical Department of Gul Ahmed Textile Mills Ltd, Karachi.

Involved in:

- Trouble Shooting (Production)
- Research & Development (Production)
- Development of different type of new finishes
- Setting parameters & recipes of the pre-treatment department
- Production trial of different products
- Preparation of audits (Oeko-Tex, Organic Cotton etc)

Education

PhD – Fiber & Polymer Science North Carolina State University, USA – College of Textiles Major in Textile Coloration	In Progress
Master of Engineering – Textile Engineering NED University of Engineering & Technology, Karachi CGPA – 3.9	June 2009
Bachelor of Engineering – Textile Engineering NED University of Engineering & Technology, Karachi First Class First Position – 84.73% Thesis: "To improve the rubbing fastness of pigment printed cotton fabric through cationization and to design the heat recovery system for the curing chamber."	January 2007

Publications

Zubair, M., Pasha. K., (2011). Effect of Cationic Pretreatment on Rubbing Fastness of Pigment Printed Cotton Fabric, Conference Proceedings, 1st International Conference on Value Addition & Innovation in Textiles (COVITEX), 103

Professional Courses

Post Graduate Certified Health and Safety Environmental Professional NED University of Engineering & Technology, Karachi & PIQC- Institute of Quality	2010
Licentiate (LSDC) The Society of Dyers and Colourist, UK	2010
AutoCAD 2006 AutoDesk & Geoconsult	2006

Memberships

- Corporate Member - Society of Dyers & Colourist, UK.
- Senior Member- American Association of Textile Chemists & Colorists, USA.