

Muhammad Zubair

Assistant Professor,
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, Denim, Health, Safety & Environment (OHSAS 18001 & ISO 14001)

Experience

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

Fulbright PhD Scholarship

Assistant Professor, Department of Textile Engineering **Dec 2011 – Present**
NED University of Engineering & Technology, Karachi

On study leave for PhD.

Lecturer, Department of Textile Engineering **Jan 2008 – Dec 2011**
NED University of Engineering & Technology, Karachi

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 Advisor

Management Trainee, Technical Department **Jan 2007 – Jan 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

In Progress

Major in Textile Coloration

Master of Engineering – Textile Engineering
NED University of Engineering & Technology, Karachi

June 2009

CGPA – 3.9

Bachelor of Engineering – Textile Engineering
NED University of Engineering & Technology, Karachi

January 2007

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

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 **2010**

NED University of Engineering & Technology, Karachi & PIQC- Institute of Quality

Licentiate (LSDC) **2010**

The Society of Dyers and Colourist, UK

AutoCAD 2006 **2006**

AutoDesk & Geoconsult

Memberships

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