

# Muhammad Zubair

Lecturer,  
Department of Textile Engineering,  
NED University of Engineering & Technology, Karachi  
Pakistan  
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## Specialties

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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

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**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

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<b>PhD – Fiber &amp; Polymer Science</b> <b>North Carolina State University, USA – College of Textiles</b> Major in Textile Coloration	<b>In Progress</b>
<b>Master of Engineering – Textile Engineering</b> <b>NED University of Engineering &amp; Technology, Karachi</b> CGPA – 3.9	<b>June 2009</b>
<b>Bachelor of Engineering – Textile Engineering</b> <b>NED University of Engineering &amp; Technology, Karachi</b> 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."	<b>January 2007</b>

## Publications

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

## Professional Courses

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

## Memberships

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