



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **GADHI TANVEER AHMED**
Address STRADA DI MIRAFIORI 35/9, 10135, TORINO, ITALY
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E-mail(s) tanveer.gadhi@polito.it
Nationality Pakistani
Date of birth 06/01/1986



Work experience

Dates December, 2014- Continue
Occupation or position held PHD Researcher
Main activities and responsibilities Synthesis, Characterization and Applications of Bismuth Based Nanomaterials
Name and address of employer Carbon Group, Department of Applied Science and Technology
Politecnico di Torino, Italy

Dates February 2009 - September 2012
Occupation or position held Environment and Energy Engineer
Main activities and responsibilities Conservation of Utilities for Process Optimization and Environment Sustainability
Name and address of employer Yunus Textile Mills, Karachi, Pakistan
Type of business or sector Home Textile Processing and Finishing

Education and training

Dates October 2012-October 2014
Title of qualification awarded Masters in Textile Engineering
Name and type of organisation providing education and training Department of Chemical Engineering
Politecnico di Torino, Italy

Dates January 2010 – June 2011
Title of qualification awarded Postgraduate Diploma in Environmental Engineering and Management
Name and type of organisation providing education and training Department of Environmental Engineering and Management
Mehran University of Engineering and Technology, Jamshoro, Pakistan

Dates December 2004 – December 2008
Title of qualification awarded Bachelors in Textile Engineering
Name and type of organisation providing education and training Department of Textile Engineering
Mehran University of Engineering and Technology, Jamshoro, Pakistan

Dates 22 October 2009
Title of qualification awarded Participant in Energy Conservation Techniques Course
Name of organisation Small & Medium Enterprises Development Authority, Pakistan and BFZ, Germany

Dates 26-28 April 2011
 Title of qualification awarded Participant in Energy Manager Course
 Name of organisation Small & Medium Enterprises Development Authority and APTMA, Pakistan

Dates November 2011
 Title of qualification awarded Participant in ISO-50001 EnMS (Environment Management System)
 Name of organisation SGS, Pakistan (Branched Organisation of SGS, Switzerland)

Personal Skills

Self-assessment
 European level (*)

English

Understanding		Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production	
C1	Proficient user	Proficient user		B2	Independent user	B1	Independent user
				B2	Independent user	B2	Independent user

(*) [Common European Framework of Reference \(CEF\) level](#)

Italian

B1- Intermediate

Social skills and competences Enthusiast, radical, team spirit, good communication and research skills gained through work with research oriented groups and science community
 Member of American Association of Textile Colorists and Chemists
 Member of Association of Energy Engineers
 Member of Pakistan Engineering Council

Organisational skills and competences Leadership and Management obtained through industrial work in leading textile company with highly experienced directors, managers and dynamic labour force

Computer skills and competences Working experience of MS-Office & Excel, Origin, Oracle, Java, PLC

Technical Skills Synthesis of Nanomaterials through Metal Oxide Chemical Vapour Deposition, Hydro Thermal, Sol-gel and One Pot Chemical Techniques
 Nanomaterials Characterization
 Semiconductors heterogeneous photocatalysis for dye degradation and energy recovery
 Worked on High Frequency Ultrasonic equipment at laboratory scale
 Worked on with textile processing and utility generation machinery; Bleaching, Dyeing, Printing, Finishing, Steam Boilers, Electric Generators and Turbines, Air Compressors, Water Softening Plant Reverse Osmosis Membrane, Effluent Treatment Plant and Waste Heat Recovery Systems
 Textile Yarn and Fabric Quality Testing

Awards MS-Leading to PHD Scholarship from Higher Education Commission, Government of Pakistan
 Employ Excellence Award from Yunus Textile Mills, Karachi, Pakistan
 Merit Certificate for 3rd Position in Bachelors

Publications

Article under review: "Potential and Savings Related to Waste Heat Recovery in Textile Wet Processing for sustainable and cleaner production", Renewable & Sustainable Energy Reviews, submission date 12th March 2015

Article in writing: "Rinsing of Textile Fabric by Ultrasound Treatment", based on MS thesis

Presented paper: "Water and Energy Conservation in Textile Continuous Bleaching Machines", 2nd International Conference on Energy, Environment and Sustainable Development, held on February 2012, in Mehran University of Engineering and Technology Jamshoro, Pakistan

Presented paper: "Potential of Waste Heat Recovery in Textile Wet Processing", 2nd International Conference on Energy, Environment and Sustainable Development, held on February 2012, in Mehran University of Engineering and Technology, Jamshoro, Pakistan

References

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Prof. Giorgio Rovero
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Mehran University of Engineering and Technology, Jamshoro, Pakistan