

Curriculum vitae

PERSONAL INFORMATION

Name	Dr. Nayab Khan
Address	Teepu chowk street no. 4 Barkatpura Faisalabad. Pakistan.
Telephone	+92-330-8461313
E-mail	nayab.khan@uaf.edu.pk
Nationality	Pakistani
Date of birth	11-09-1985

EDUCATION AND TRAINING

Dates (from – to)	8/2013 to 11/2017
Name and type of organisation providing education and training	Technical University of Liberec, Czech Republic. Faculty of Textile Engineering, Department of Material Engineering.
Principal subjects/occupational skills covered	High Performance Fibres, Color and Appearance Measurement of Fibers, Image analysis. Textile Fiber identification.
Title of qualification awarded	Ph.D (Textile Material Engineering).

Dates (from – to)	09/2007 - 12/2010
Name and type of organisation providing education and training	<i>Agriculture University Faisalabad Faculty of Agriculture. Engineering Department of Fiber and Textile Technology</i>
Principal subjects/occupational skills covered	Spinning Technology, Cotton Classification, Textile fiber Specialization, Textile testing and cotton control, Cotton fiber technology.
Title of qualification awarded	M.Sc. (Textile Fiber Technology)

WORK EXPERIENCE

Dates (from – to)	02/2018 to till today
Name and address of employer	<i>University of Agriculture Faisalabad.</i>
Type of business or sector	Education Sector
Occupation or position held	Assistant Professor
Main activities and responsibilities	Incharge High Volume Instrument Laboratory, Teaching Textile materials, Color Science, Writing research articles.
Dates (from – to)	12/2012 to 7/2013
Name and address of employer	Rupafil filament yarn production unit Sharaqpur Road Sheikhpura.

Type of business or sector	Industrial Sector
Occupation or position held	DTY Engineer. (Draw texturized Yarn)
Main activities and responsibilities	Production of Filament yarn with Murata machines. Dealing with all the production problems.
Dates (from – to)	8/2010 to-11/2012
Name and address of employer	<i>J.K. Spinning Mills Ltd. Sheikhpura Road Faisalabad. Pakistan</i>
Type of business or sector	Industrial Sector
Occupation or position held	Assistant Spinning Manager
Main activities and responsibilities	Procurement of cotton under given parameters. Classification of cotton under the certain parameters.

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE	URDU
OTHER LANGUAGES	
	ENGLISH
• Reading skills	EXCELLENT
• Writing skills	EXCELLENT
• Verbal skills	EXCELLENT
Social skills and competences	Experience of working in laboratory of color and appearance measurement in technical university of liberec. Good communication skills gained through an experience as cotton procurement officer .i have got great ability to adopt to multicultural environment gained through my work experience in abroad.
Organisational skills and competences	I have got good leadership qualities as i supervised a team of 8 people during my job as draw texturized yarn engineer. Good sense of organizational matters. I have worked on various projects during my stay in Czech Republic. This experience has given me enough knowledge about team management and project management.
Technical skills and competences	Computer hardware. Networking and System Administration. Matlab Software, Origin Pro 8 software, Basic knowledge of graphic design, audio and movie applications (Adobe Photoshop, Movie Maker, Sony Sound forge, Adobe after effects.
Artistic skills	Good knowledge of Asian music. Music is my hobby.

Publication

- Ashraf, M.A., Malik, M.H., Farooq, A., Noman, M. T. & **Khan, N.** Development of Maghemite Nanoparticles to Effectively Adsorb Methylene Blue Dye from Water. *Water Air Soil Pollution* **235**, 244 (2024). <https://doi.org/10.1007/s11270-024-07059-8>.
- **Khan, N.**, VIK, M., Irshad, F., Bekir Yildirim., Farooq, A., & Ashraf, M. A. (2023). Development of a 3D colour diagram for improved visual grading system of cotton. *Fibres and Polymers*, [//doi.org/10.1007/s12221-023-00055-5](https://doi.org/10.1007/s12221-023-00055-5).
- Irshad, F., Ashraf, M., Farooq, A., Ashraf, M. A., & **Khan, N.** (2022). Development of Prediction System for Shade Change Variations in Dyed Cotton Fabric After Application of Water Repellent Finishes. *Journal of Natural Fibers*, [://doi.org/10.1080/15440478.2022.2154302](https://doi.org/10.1080/15440478.2022.2154302).
- **Khan, N.**, VIK, M., Irshad, F., Farooq, A., & Ashraf, M. A. (2022). Development of a novel method for trash segmentation of cotton fibre color measurement. *Turkish Journal of Agriculture and Forestry*, 46(6), 919-932.
- FAROOQ, A., **Khan, N.** H. A. N., IRSHAD, F., & NASİR, U. (2022). Predictive Modeling of Yarn Quality at Ring Spinning Machine using Resilient Back Propagation Neural Networks. *Textile and Apparel*, [//doi.org/10.32710/tekstilvekonfeksiyon.904406](https://doi.org/10.32710/tekstilvekonfeksiyon.904406).
- Vik, M., **Khan, N.**, & Vikova, M. (2017). LED utilization in cotton color measurement. *Journal of Natural Fibers*, 14(4), 574-585.
- Vik, M., **Khan, N.**, Yildirim, B., & Vikova, M. (2017). Non-contact method for measurement of colour variation in a cotton sample. *Fibres & Textiles in Eastern Europe*, (2 (122), 106-111.
- Vik, M., **Khan, N.**, Viková, M., & Founě, F. (2016). Polarimetric sensing technique for textile material. In *Defect and Diffusion Forum* (Vol. 368, pp. 198-202). Trans Tech Publications Ltd.
- **Khan, N.**, Vik, M., & Viková, M. (2016). Comparison of different methods used for color measurement of cotton. *Vlakna a Textil*, 23(3), 101-05.

International Conference / Workshop

- **Khan N**, Vik M, Yildirim B: Image Processing Technique for Cotton Color Grading; The fibre Society, USA, Conference 2018.
- **Khan N**, Farooq A, Irshad Farida: Relationship between color and strength of Jut Fibre International SIIRT Conference on Scientific Research held on 18-19th, SIIRT University Turkey.
- **Khan N**, Vik M, Vikova M, Relationship between the different methods used for cotton color grading; 4th CIE Expert Symposium on Colour and Visual Appearance, 6-7th sep, 2016. ISBN 978-3-902842-59-6; p 493-500.
- **Khan N**, Vik M, Vikova M, Comparison of different methods used for the color measurement of cotton. XXIV International Federation of associations of textile chemist and colorists: Pardubice 13-16, June: Czech Republic, 2016; p201-204.
- **Khan N**, Vik M, Vikova M, Relationship between the different methods used for cotton color grading; The 90th Textile Institute world conference, 25-28th POLAND, 2016; p119-120.
- **Khan N**, Vik M, Vikova M, Color Measurement of Cotton Samples with feasibility of traceable color standards. Svetlanka workshop: 22-25th Sep, 2015: p97-102.
- Hafiz Shahzad Masood, **Nayab Khan**, Muhammad Zubair, Martina Thermal properties of yarn. Svetlanka workshop: 22-25th Sep, 2015: p113-117.
- **Khan N**, Vik M, Vikova M, Dichroism measurement in fiber examination. Strutex 20th International Conference: Liberec.1-2, December: Czech Republic, 2014; p159-162.
- **Khan N**, Vik M, Vikova M, Dichroism Measurement of dyed Polyester fiber. Svetlanka workshop: 16-19th Sep, 2014: p70-175.
- Naeem Muhammad Salman, Baheti Vijaykumar, Militky Jiri, Weiner Jacob, **Khan Nayab**, Javed Saima, Ashraf Muhammad Azeem. Removal of methylene blue from aqueous solution by using iron impregnated activated carbon web from waste acrylic fibres. URI: <https://dspace.tul.cz/handle/15240/30365>.

Patent:

- **Dr. Nayab Khan**, Ms Farida Irshad, Mr. Muhammad Azeem Ashraf, relating to “ Cotton Color Grading Process”, Patent application no. 810/2022, “ Intellectual Property Organization”The Patent office, Karachi, Pakistan.

Participation in training:

- Appointed as organizer of one day seminar titled as “ Leadership-The care and growth model” arranged by the Directorate (DFA&UA).
- Appointed as organizer of one day seminar titled as “Importance of positive attitude in career growth” arranged by the Directorate (DFA&UA).
- Appointed as committee member of one day seminar titled as “Productvity tools and techniques in industry” arranged by the Directorate (DFA&UA).
- 3-days “Induction Training Workshop for Newly Appointed Faculty” held by Directorate of Academics and Teaching Resource Center.
- Participated in two days training program on “Application of Quality Tools through Innovative Kaizen Circles” held on March 09-10, 2022 organized by the National Productivity organization Pakistan.