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Academic Qualifications

- ✓ 2017, Ph.D. in Garment Engineering from the Heriot-Watt University, United Kingdom.
- ✓ 2008, Master of Engineering in Textile (CGPA: 3.70 out of 4.0) from the NED University of Engineering and Technology, Pakistan
- ✓ 2001, Bachelor of Engineering in Textile Engineering with **Distinction** from the NED University of Engineering and Technology, Pakistan

Academic Achievements

- ✓ In 2022, earned 500 US Dollar reward and commendation letter to recognize the outstanding merit displayed in the return of research publication during year 2020 from NED Alumni Association of South California, USA.
- ✓ In 2019, earned PKR100000 financial reward [DR (Estab)/ (PersNO.2385) / 8838 dated 1st October 2019].
- ✓ In 2010, NED UET granted a Ph.D. Scholarship at Heriot Watt University, UK to boost and enhance my technical capability.
- ✓ In 2009, VC NED UET, Engr. Abul Kalam recognizes as an excellent presenter on presenting a technical Talk regarding availed facilities at Department of Textile Engineering in front of delegation of HEC and Pakistan Atomic Energy Commission, Dr. Samar Mubarakmand.

Professional Achievements

I am recently working as an Assistant Professor (BPS-19) since 12th June 2008 and also serving as a Director of Directorate of Industrial Liaison since 11th October 2017 in NED University of Engineering and Technology, Pakistan.

During my academic career:

- I have taught different courses like Pre Spinning processes, Textile Yarn Manufacturing, Fabric Forming Technique Knitting, Textile Printing and Garment Manufacturing courses at undergraduate level, and Technical Textile, Apparel and Merchandising and Project Management at Master level.

- I am performing administrative duties like Class Advisor of Final Year Students, Project Committee Member and Coordinator of Final Year Design Projects and an arranging an industrial visit, job placement opportunities for students to explore their academic background with real industrial exposure.
- I have organized as an Expert Facilitator one full day Industrial Technical Training section on the Topic: **Troubleshooting relating Garment Manufacturing** dated 25/11/2017 under the umbrella of CCEE, NED UET to facilitate the Textile Industries of Pakistan Human resource capacity building on technical ground which I have expertise built during my Ph.D. career at Heriot Watt University, United Kingdom.

Before joining the NED University, I have vast experienced (2001-2008) in different Textiles field like Spinning, Weaving, Knitting and Garment as under:

- Three years experienced as a Factory Manager in Algousia Knitting Factory and Industries and in addition three years more as a Textile Consultant.
- Three years experienced as a Technical Manager in Spectra Fabrics (Pvt.) Limited, Pakistan.
- Two years experienced as a Senior Spinning Manager in Jubilee Spinning and Weaving Mills, S.I.T.E. Karachi, Pakistan.
- One year experienced as an Assistant Spinning Manager in Latif Textile Mills, Nooriabad.

Professional Services

- ✓ PEC- Program Evaluator (PEV)/ Expert of relevant discipline, Dated 20 June ,2022
- ✓ University Representation in KCCI Education Sub-Committee. Letter No. KCCI/H&E/21-22/3931 dated 30-12-2021
- ✓ University Representation in KCCI Education Sub-Committee. Letter No. KCCI/Pres I-2/UN/H&E/20-21/1571 dated 30-11-2020.
- ✓ Subcommittee member of procurement of uniform articles of Government of Sindh Police department for the financial year 2019-20.
- ✓ Chair Board of Review (BOR), Directorate of Industrial Liaison, NED UET since 2017
- ✓ Member of SENATE, NED UET, since 2018
- ✓ General Secretary NED Teacher Association (NETA: 2018-19)
- ✓ Member of Board of Review (BOR) at University level, NED UET, Since 2017
- ✓ Member of Board of Review (BOR), In 2018 CINETIC Department, NED UET

Supervised Ph.D. Scholar

Ms. Noreen Akram, Department of Telecommunication Engineering, NED UET

Reference No. NED/Acad/50(48)/11402 dated 25th November 2022, Co-Supervised Ph.D. Research project titled “Intelligent real time fabric weave identification and characterization using visual sensors network for textile Application.”

International Journal Reviewer

- ✓ Reviewer for papers in the Applied Mechanics and Materials (AMM), Trans Tech Publications Ltd Scientific.Net
 - ✓ Reviewer for papers in the Journal of Nano Research (JNanoR), Trans Tech Publications Ltd Scientific.Net
1. Dated 1st April 2023, Ms_JESBS_98212, Knowledge Management Network in COVID 19 Era, Journal of Education, Society and Behavioural Science.
 2. Dated 11th April 2023, Ms_AJL2C_88143 Textual and Paratextual Elements in Fiction Retrieval, Journal of Scientific Research and Reports.
 3. Dated 21th June 2022, Ms_AJL2C_88143, Evaluation of Accentuated Pre-Loved Dress using Apayao Woven Textiles, Asian Journal of Language, Literature and Culture Studies.
 4. Dated 27th July 2022, Ms_JGEMBR_10909, Relationship Between Knowledge Management And Innovative Performance In Nanomipymes Of The Textile Sector Of The Municipality Of Asunción Ixtaltepec, Oaxaca, Journal of Global Economics, Management and Business Research.

Research Funding Activities

- 1) Earned Travel grant from NED University [DR (Estab)/(Pers NO.2385) / 9580 dated 25th October 2019] for international conference on Materials Engineering and Nanotechnology, 2nd -5th Dec 2019, Kuala Lumpur Malaysia.
- 2) I have been submitted proposal for research grant:
 - a) **Development of Nano clay Particles** project/product has been accepted at Sindh Research Technology Showcase 2022 for demonstration at the stall at Hall-2, Karachi Expo Centre on May 19-20, 2022.
 - b) PSF/CRP/TH/CFP/86 dated 14 July 2021 submitted against 4th Call for Proposals announced by Pakistan Science Foundation under “Competitive Research Programme (CRP)”, **project entitled, “Self Charging clothing for wearable’s”**

- c) Sindh HEC- 2020 PROJECT FUNDING FORM (2M-5M) via email and courier; title: **Systematic Desulfurization appraisalment of waste water effluent for Pakistani petroleum and textile industry.**
- d) NRPU-HEC-2020 Via HEC online Portal with reference to Project No. 2840; Titled: **Stimuli-responsive (polymeric & magnetic) Nano hybrids for potential targeted drug delivery and smart textile applications.**
- e) ICRG-HEC-2020 via HEC online portal with reference to Project No. 188; titled: **“Oxidative Desulfurization study of Pakistani Petrochemical (diesel fuel) and textile industry effluent by reusable Zinc-Ferrite Nano catalyst”.**
- f) Start-Up Research Grant Program (SRGP) HEC-2017; Titled: **Organic/ Natural Dye (Herbs/Spices/Food waste) preparation and application in Textiles material.**

International Conferences

- ✓ 2nd International Conference attended on CPEC: Joining hands for Sustainable Development (ICCJSD), December 23-24, 2022, NED UET.
- ✓ 3rd International Conference attended on Innovations in Computer Science & Software Engineering (ICONICS-2022), December 14-15, 2022, NED UET.
- ✓ International Conference on Sustainable Engineering & Development (ICSED-2022) attended at Marriott Hotel, Karachi, November 25-26, 2022.
- ✓ 5th NED-ITC 2022 International Scientific Conference, Bridging the Gap between Industry and Academia through Research and Innovation, attended and member of organizing committee which was organized by Textile Engineering Department NED University. 16th-17th November 2022
- ✓ 7th International Electrical and Engineering Conference (IEEC)-2022 at NED UET, attended on 25th- 26th March 2022 NED UET.
- ✓ 1st International Conference on Applied Physics and Engineering (ICAPE 2021) attended on 16th -17th September 2021 at Syed Mahmood Alam Auditorium, NED UET.
- ✓ 1st International Conference on Advances in Material Science and Environmental Engineering 2021 (ICAMSEE-2021) attended on 25th & 26th June, 2021 at Syed Mahmood Alam Auditorium, NED UET.
- ✓ 10th International Mechanical Engineering Conference (IMEC-2021) attended on Friday 12th February, 2021 at Video Conferencing Hall, NED UET.
- ✓ 4th NEDITC-DICE-2020 International Scientific Conference for research in the field of Textile Engineering and Technology attended and has been a member of the scientific

committee and a reviewer which was organized by Textile Engineering Department NED University.

- ✓ 3rd NEDITC-2018 International Scientific Conference for research in the field of Textile Engineering and Technology attended and member of organizing committee which was organized by Textile Engineering Department NED University.
- ✓ The NED in collaboration with USA Alumni called DICE foundation is organized DICE Automotive Mega Event, 2017 to support and provides opportunity to grow Automotive Industry in Pakistan to globally competitive level. In this event all stakeholders Industries and Public and Private Universities of Pakistan are invited to showcase their creative work and intellectual design project
- ✓ 2nd International Conference on Advance Materials & Process Engineering (AMPE-2017) attended which was organized by Faculty of Chemical & Process Engineering NED University.
- ✓ 2nd NEDITC 2016 International Scientific Conference for research in the field of Textile Engineering and Technology attended which was organized by Textile Engineering Department NED University.

Research Paper Publications

- 1) **Amir M**, Ahmed K, Hasany SF, Butt RA. Non-Covalent Bonding of Green Synthesized Copper Nanoparticles to enhance Physicochemical behavior of Sulfur-Dyed Cotton Fabric. AATCC Journal of Research. 2023;0(0). doi:10.1177/24723444231161742
- 2) **Amir, M.**, Hasany, S. F. ., & Asghar, M. S. A.. (2023). Modification of Bentonite Nanoclay for Application. Polimery, 68(2). <https://doi.org/10.14314/polimery.2023.2.1>
- 3) Zahoor, A., Ahmed, G., **Amir, M.**, Butt, F., & Naqvi, A. A. (2023). Effect of varying percentages of Co₃O₄ Nanoparticles on the Behavior of (ORR/OER) Bifunctional Co₃O₄/α-MnO₂ Electrocatalyst. TECCIENCIA, 18(34), 43-52. (**Web of Science**) <https://doi.org/10.18180/tecciencia.2023.34.4>.
- 4) Naqvi, S., **Amir, M.**, Naeem, F., Dias, T., & Lewis, P. S. (2023). An Investigation into Design of Blood Pressure Cuffs Using the Tekscan Pressure Sensing System. AATCC Journal of Research, 10(2), 80-88. DOI: 10.1177/24723444221132326.(**JCR**)
- 5) **Amir, M.** (2022). Load extension behavior of spun sewing threads on seam slippage. Quaid-E-Awam University Research Journal of Engineering, Science & Technology, Nawabshah., 20(02), 28-37. <https://doi.org/10.52584/QRJ.2002.04>. (**HEC-Y Category**)

- 6) Abdullah M, Hasany S, **Amir Qureshi M**, Hussain S. Cost-Effective Synthesis of Cobalt Ferrite Nanoparticles by Sol-Gel Technique. MSF 2022; 1067:213–9. <https://doi.org/10.4028/p-jdlq11>. (**Scopus**)
- 7) **Amir M**, Stylios GK (2020) An Experimental Analysis into Thread Cycling Recovery on Seam Appearance. J Fashion Technol Textile Eng 8:4. DOI: 10.37532/jfjte.2020.8(4).197
- 8) **Amir M** (2020) Experimental Analysis of Static Thread Tension on Seam Appearance. J Fashion Technol Textile Eng 8:3. DOI: 10.37532/jfjte.2020.8 (3).193.
- 9) Hasany, S.F., Hussain, S., Ali, S.M.U., Abdul-Kadhim, W. and **Amir, M.**, 2020. ZnO nanostructures: comparative synthetic and characterization studies. Micro & Nano Letters, 15(14), pp.972-976. <https://doi.org/10.1049/mnl.2019.0795> (**JCR**)
- 10) **Amir, M.**, Leaf, G.A. and Stylios, G.K., 2020. A model of seam pucker and its applications Part I: theoretical. The Journal of the Textile Institute, 111(1), pp.64-67. <https://doi.org/10.1080/00405000.2019.1646077> (**JCR**)
- 11) **Muhammad, A.**, Leaf, G.A. and Stylios, G.K., 2020. A Model of Seam Pucker and Its Applications. Part II: Experimental. The Journal of the Textile Institute, 111(1), pp.60-63. <https://doi.org/10.1080/00405000.2019.1646076> (**JCR**)

Conference Paper Publications

- 1) **Qureshi, M.A.**; Butt, R.A.; Arfeen, M.Z.; Akram, N. Fully Automatic Weave Identification in Woven Fabrics Using Digital Image Processing. Eng. Proc. 2022, 20, 1. <https://doi.org/10.3390/engproc2022020001>.
- 2) **Muhammad Amir**: ID M153: Investigation on the Mechanical Properties Of different woven Fabrics by Using Engineered Nano Clay." International Conference on Materials Engineering and Nanotechnology ICMEN 2019, 2nd-5th December 2019 Kuala Lumpur, Malaysia.
- 3) C8-26 "Effect of Green Synthesized Copper Nanoparticles In Comparison With Copper Salt On The Dye-ability Of Cotton Fabric Towards Sulphur Dye" by ¹Shumaila Meraj, ²**Muhammad Amir** and ¹Kashif Ahmed, ¹Department of Chemistry, ²Department of Textile Engineering, NED University of Engineering and Technology, at 4th International Conference on Bioscience and Biotechnology (BioTech-2019) "Pursuing innovation in Bioscience and Biotechnology to Solve local and Global Grand Challenges" 21st – 22nd February 2019 | Kuala Lumpur | Malaysia, ISBN 978-955-3605-24-5

Membership

1. Member (M-21580/KAR-3904) of Central Council of the IEP since 28th June 2021

2. Life-time member as Professional Engineer (Textile/38) at Pakistan Engineering Council since 2001
3. Member NEDAN since 2001

References

To be furnished on request.