

Research Experience

- Ph.D. Theses: Effects of Polymer Rheology on melt blowing Fiber formation process and Fiber Diameter Distribution.
- The effect of fabric on the skin under the pressure.
- Ultralight nanofibrous aerogels from electro-spun nanofibers.
- M.S. Theses: Comparison of heat transfer coefficient for different fabrics by vapor-compression system.

Professional Experience

Teaching Assistant, Wilson College of Textile – Knitting Lab August 2018 – May 2019

- Fixed and run one new machine and two out of work (old) machines in the warp knitting lab.
- Put LED (electronic) yarn in the fabric in warp knitting lab. Collaborate with two professors at NCSU as a part of a project.
- I already work with knitting lab as a consultor.

Owner-Emad CO May 2014 - Jun 2015, Tehran, Iran

- Gained experience in both installation and maintenance of weft knitting machines.
- Gained experience in marketing.

Supervisor of Knitting Plant- Bafte Azadi CO Jun 2012 - Jun 2015, Tehran, Iran

- Gained familiarity with safety and health best practices in textile factory.
- Managed, directed, and coordinated all technical activities of the knitting plant with 50 textile workers in three different shifts.
- Strong ability to work and design warp knitting fabrics.

Internship at Spinning Plant, Chit-e Tehran July 2007- September 2007, Tehran, Iran

- Knowledge and hands on experience on opening, blending staple fibers, and carding.

Education

Ph.D. Fiber & Polymer Science North Carolina State University, Raleigh, North Carolina. August. 2018

M.Sc. Textile Technology Engineering, Isfahan University of Technology, Isfahan, Iran. September.2009

B.Sc. in Textile Technology Engineering, Azad University of Arak, Arak, Iran. September.2003

Publication & Presentation

- Khoeini, D., Shirani, E., & Joghataei, M. Improvement of Centrifugal Pump Performance by Using Different Impeller Diffuser Angles with and Without Vanes. *Journal of Mechanics*, 1-13.
- Joghataei, M., Semnani, D., Salimpour, M. R., Ashrafi, Z., & Khoeini, D. (2016). Comparison of heat transfer coefficient for different fabrics by vapor-compression system. *International Journal of Engineering & Technology*, 5(1), 11-15.
- Majid Joghataie, Daryoush Semnani, Zahra Ashrafi, "Studying of Heat Transfer Coefficient of Different Knitted Fabrics by Vapor-Compression Systems," *International Conference on Technical Textiles and Nonwovens, Indian Institute of Technology Delhi, India*, 2014.
- Z Ashrafi, S Mazinani, AA Ghareaghaji , M Joghataie, "Fabrication and characterization of starch-poly (acrylic acid) nanofibrous structures," *11th International Seminar On Polymer Science And Technology (ISPST), Tehran, Iran*, 2014.

