

## **Education**

- Aug 2016-Jul 2017**      **Visiting researcher.** At McGill University. Investigation of mechanical and thermal properties. Computational simulation of piezoelectric nanofibers.
- 2013-2017**      **PhD.** In Textile Chemistry & Fiber Science, Islamic Azad University, Science & Research Branch, Tehran, Iran.  
**Title of Thesis:** Electrospun Piezoelectric PVDF Nanofiber for Nanogenerator Application  
**Cumulative Grade Point Average: 17.69 out of 20**
- 2009-2011**      **M.Sc.** in Textile Chemistry & Fiber Science, Islamic Azad University, Yazd Branch, Yazd, Iran.  
**Title of Thesis:** Antibacterial Properties of Finished Fabric with Chitosan/ Ag/ ZnO (Financially supported by Nano Institution of Iran)  
**Cumulative Grade Point Average: (first class honor) 18.81 out of 20**
- 2006-2009**      **Bachelor** in Textile Chemistry & Fiber Science, Faculty of Textile Engineering, Yazd University, Yazd, Iran  
**Title of Thesis:** The Effect of Organic and Inorganic Pigments in UV\_Vis absorbance in Cotton/ Nylon Fabric  
**Cumulative Grade Point Average: 15.20 out of 20**

## **Journal Papers**

*Mina Abbasipour, Ramin Khajavi, A. A. Yousefi, M.E. Yazdanshenas, F. Razaghian, "A comparative study to evaluate the effect of graphene oxide, graphene and halloysite nanofillers on electrospun PVDF nanofibers properties", Materials Science: Materials in Electronics, 2017, 28(21), 15942-15952.*

*Manouchehr Rad, Ramin Khajavi, Mina Abbasipour, Siamak Nazemi, Amir Hosein Berendjchi, Fabricating an Air-Retaining Surface on outer Surface of Wetsuit by In-Situ Synthesis of Silica Nanoparticles, Oriental Journal of Chemistry, 2017, 33(3), 1156-1163.*

*Mina Abbasipour, Ramin Khajavi, A. A. Yousefi, M.E. Yazdanshenas, F. Razaghian, AbdolHamid Akbarzadeh " Improving Piezoelectric and Pyroelectric Response of Electrospun PVDF Nanofibers using Nanofillers for Energy Scavenging", Organic Electronics, Under review.*

*Ramin Khajavi, Mina Abbasipour, A. Bahador, " Electrospun biodegradable nanofibers scaffolds for bone tissue engineering", Applied polymer Science.*

*Ramin Khajavi, M. K. Rahimi, Mina Abbasipour, " Antibacterial nanofibrous scaffolds with lowered cytotoxicity using keratin extracted from quail feathers", Journal of Bioactive and compatible polymes.*

**Mina Abbasipour, Ramin Khajavi** “Nanofiber Bundles and Yarns by Electrospinning Production: A Review”, journal of advances in polymer technology, 32, 3, 2013.

**Mina Abbasipour, Mohammad Mirjalili, Ramin Khajavi, Mohammad Mehdi Majidi,** “Coated Cotton Gauze with Ag/ZnO/chitosan Nanocomposite as a Modern Wound Dress” Journal of Fiber Engineering and Fabrics, 9, 1, 2014.

**Ramin Khajavi, Mina Abbasipour,** Mehdi Ghafari, AboSaeed Rashidi, Mohammad Karim Rahimi, Hamed Haji MirzaBaba “Eucalyptus Essential-Oil Doped Alginate Fibers as a Potent Antibacterial Wound Dressing”, journal of advances in polymer technology, 33, 2, 2014.

**Mina Abbasipour, M. Khajeh Mehrizi,** Investigation of changes of reflective behavior of cotton/polyester fabric by TiO<sub>2</sub> and carbon black nanoparticles, *Scientia Iranica*, 2012, 19 (3), 954-957.

**Ramin Khajavi, Mina Abbasipour,** "Electrospinning as a versatile method for fabricating core-shell, hollow and porous nanofibers", Journal of Scientia Iranica, Volume 19, Issue 6, December 2012, Pages 2029–2034.

**M. Abbasipour, M. K. Salem, A. H. Sari, Mina Abbasipour,** Wood Surface Functionalization by Means of low-pressure air plasma, Radiation effects and defects in solids, 2012, 167 (11), 814-825.

**Mohammad Mirjalili, Mina Abbasipour,** "Comparison between antibacterial activity of some natural dyes and silver nanoparticles", journal of nanostructure in chemistry, 37, 3, 2013.

**Mina Abbasipour, Mohammad Mirjalili, Ramin Khajavi,** "A Review on the Effect of Chitosan Nanocomposite on Antibacterial Properties of Textile", Prosperus Textile magazine, 3(2011),13-15.

## **Chapters**

**Ramin Khajavi, Mina Abbasipour,** "Piezoelectric PVDF Polymeric Films and Fibers: Polymorphisms, Measurements, and Applications", Springer, November 2015, Chapter 44.

**Ramin Khajavi, Mina Abbasipour,** "Controlling nanofiber morphology through the electrospinning process", Woodhead Publishing, Chapter 6, 2017.

## **Patents**

**Mina Abbasipour, Ramin Khajavi, Mohammad Mirjalili, Mohammad M. Majidi** “Gauze Sterile with Healing and Antibacterial Properties for Burning Wounds”, National Patent, Registration No.: 77527, Registration Date: 12 DEC 2012.

## **Conference Papers**

Presented papers in AUTEX2011 in Malhouse, France.

## **Career-Related Experience**

**2010-2011**

Azad University, Yazd, Iran

Analyzed the statistics obtained from the size of 12-16 year old boys and developed guidance school student size charts to facilitate garment production

**Professional Membership**

Member of National Elite Foundation of Iran

**References Available Upon Request**