

CURRICULUM VITAE

PERSONAL INFORMATION	
Name	Homa Maleki
Date of birth	08/04/1985
Family Status	Married, 1 Children
Nationality	Iranian
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EDUCATION	
2010-2014	PhD. in Textile Engineering, AmirKabir University of Technology, Tehran, Iran Thesis: The effect of twist on the structure and properties of poly (L- lactic acid) / poly (vinyl alcohol) nanofibrous hybrid yarn for suture application
2007-2009	M.S. in Textile Engineering, AmirKabir University of Technology, Tehran, Iran
2003-2007	B.S. in Textile Engineering, Yazd University, Yazd, Iran
ACADEMIC EXPERIENCES	
2016 - present	Assistant Professor of Textile Chemistry, University of Birjand, Birjand, Iran
22.06.2018-22.09.2018	Guest Researcher, DAAD scholarship holder, Department of Chemistry, University of Cologne, Cologne, Germany
2015-2016	Assistant Professor of Textile Chemistry, University of Guilan, Rasht, Iran

2010-2011	Guest Researcher, MIRA Institute for Biomedical Technology and Technical Medicine, Faculty of Science and Technology, University of Twente, Enschede, Netherlands
LANGUAGES	<p>Persian: Native</p> <p>English: Fluent</p>

PUBLICATIONS AT INTERNATIONAL JOURNALS

1. **H Maleki**, R Semnani Rahbar, MM Saadatmand, H Barani, *“Physical and morphological characterisation of poly (L-lactide) acid-based electrospun fibrous structures: tuning solution properties”*, *Plastics, Rubber and Composites*, 2018.
2. **H Maleki** and H Barani, *“Morphological and mechanical properties of drawn poly(L-lactide) electrospun twisted yarns”*, *Polymer Engineering & Science*, 2018.
3. H Barani, A Haji and **H Maleki**, *“Analysis of lecithin treatment effects on the structural transformation of wool fiber using vibrational spectroscopy”*, *International journal of biological macromolecules*, 2018.
4. H Barani, K Rezaee and **H Maleki**, *“Influence of dyeing conditions of natural dye extracted from Berberis integerrima fruit on color shade of woolen yarn”*, *Journal of Natural Fibers*, 2018.
5. **H Maleki**, A A Gharehaghaji and P J Dijkstra, *“Electrospinning of continuous poly (L-lactide) yarns: Effect of twist on the morphology, thermal properties and mechanical behavior”*, *Journal of the Mechanical Behavior of Biomedical Materials*, 2017.
6. R Semnani Rahbar, **H Maleki** and B Kalantari, *“Fabrication of electrospun nanofibre yarn based on nylon 6/microencapsulated phase change materials”*, *Journal of Experimental Nanoscience*, 2016.
7. **H Maleki**, A A Gharehaghaji, T Toliyat and P J Dijkstra, *“Drug release behavior of electrospun twisted yarns as implantable medical devices”*, *Biofabrication*, 2016.
8. **H Maleki**, A A Gharehaghaji, G Criscenti, L Moroni and P J Dijkstra, *“The influence of process parameters on the properties of electrospun PLLA yarns studied by the response surface methodology”*, *Journal of Applied Polymer Science*, 2015.
9. **H Maleki**, A A Gharehaghaji, L Moroni and P J Dijkstra, *“Influence of the solvent type on the morphology and mechanical properties of electrospun PLLA yarns”*, *Biofabrication*, 2013.

10. **H Maleki**, A A Gharehaghaji and P J Dijkstra, “*A novel honey-based nanofibrous scaffold for wound dressing application*”, Journal of Applied Polymer Science, 2013.

11. H Barani and **H Maleki**, “*Plasma and ultrasonic process in dyeing of wool fibers with madder in presence of lecithin*”, Journal of Dispersion Science and Technology, 2011.

12. **H Maleki**, M Aghajani, A H Sadeghi and A A A Jeddi, “*On the Pressure Behavior of Tubular Weft Knitted Fabrics Constructed from Textured Polyester Yarns*”, Journal of Engineered Fabrics & Fibers, 2011.

PUBLICATIONS AT INTERNATIONAL CONFERENCES

1. Hossein Barani, **Homa Maleki** “Antibacterial Metal Nanocomposite Coating on Cotton Fabric”, AUTEX 2018 World Textile Conference, 2018.

2. **H Maleki**, H Barani, “*Mechanical Properties of Electrospun Poly(L-Lactide acid) Yarns Effect of Subsequent Drawing Process*”, 9th Central European Conference CEC 2017.

3. **H Maleki**, “*Effect of Solvent Type on Morphology and Mechanical Properties of Electrospun Poly(L-lactic acid) Fibers for Biomedical Applications*”, 9th Central European Conference CEC 2017.

4. H Barani, **H Maleki**, “*Synthesis and Characterization of Antibacterial Coating on Cotton Fabric Based on Zinc oxide Nanocomposite*”, 9th Central European Conference CEC 2017.

5. H Barani and **H Maleki**, “*Antibacterial Poly-L-lactide acid / Polyvinyl alcohol Nanofibrous Hybrid Yarns*”, International Federation of Associations of Textile Chemists and Colourist, June 2016, Czech Republic.

6. **H Maleki** and H Barani, “*Preparation and characterization of PVA twisted yarns using electrospinning method*”, International Federation of Associations of Textile Chemists and Colourist, June 2016, Czech Republic.

7. **H Maleki**, R Semnani Rahbar, and B Kalantari, “*Development of Continuous Twisted Nanofiber Yarn Containing Microencapsulated Phase Change Materials (PCMs)*”, International Federation of Associations of Textile Chemists and Colourist, June 2016, Czech Republic.

8. **H Maleki**, A A Gharehaghaji and P J Dijkstra, “*Preparation and characterization of PLLA nanofibrous yarns by electrospinning method*”, AUTEX 2014, 14th World Textile Conference, May 26-28 2014, Turkey.

9. **H Maleki**, A A Gharehaghaji and P J Dijkstra, “*Preparation and characterization of PVA/honey nanofibrous layers*”, AUTEX 2014, 14th World Textile Conference, May 26-28 2014, Turkey.

10. **H Maleki**, M Aghajani, A H Sadeghi and A A A Jeddi, "*Pressure Behavior of Weft Knitted Fabric constructed from Polyester yarn*", 9th International Seminar on Polymer Science & Technology, 2009, Tehran, Iran.
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