



Homa Maleki

Associate Professor

Faculty: Arts

Department: Carpet

Education

Degree	Graduated in	Major	University
BSc	2007	Textile Engineering	Yazd University
MSc	2009	Textile Engineering	AmirKabir University of Technology
Ph.D	2014	Textile Engineering	AmirKabir University of Technology

Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
Faculty of Art - University of Birjand	Academic Staff	On Contract	Full Time	

Work Experience

Assistant Professor, (2016– present) University of Birjand, Birjand, Iran

Guest Researcher, (2018) Department of Chemistry, University of Cologne, Cologne, Germany

Guest Researcher, (2011) MIRA Institute for Biomedical Technology and Technical Medicine, Faculty of Science and Technology, University of Twente, Enschede, The Netherlands

Awards

- (2019) National Scholarship Programme of the Slovak Republic (NSP) Scholarship Programme: teaching/research/artistic stay in Slovakia.
- (2018) DAAD scholarship, Funding programme: Research Stays for University Academics and Scientists.

- (2014) Exceptional Talent PhD Student
- (2009) Distinguished M.S. thesis of Amirkabir University of Technology

Subjects Taught

FIELDS of INTEREST

- Electrospinning&nanofibrous structures
- Nanoscience
- Material characterization
- Physical-mechanical ptoperties of of textiles
- Biomedical application of Textiles
- Optimization of dyeing procedure

Course Topics

Natural Dyeing,

Chemical Dyeing,

Fiber Science,

Applied Chemistry

Papers in Conferences

1. حسین بارانی،هما مالکی،سمانه خالقی،زهرا حیدری،بهینه سازی فرایند رنگرزی کلاف نخ پشمی با رنگزای پوست تخمه آفتابگردان،دومین همایش ملی رنگ محیط زیست و توسعه پایدار،شماره صفحات ۰-۰،تهران،۲۰۲۳، ۲۵ ۰۱
2. هما مالکی،قره آغاجی علی اکبر،تولیت طبیه،بررسی رفتار رهایش دارو از نخ حاصل از الکتروریسی ایف پلی (لاکتیک اسید)،دهمین کنفرانس ملی مهندسی نساجی ایران،شماره صفحات -،اصفهان،۲۰۱۶، ۲۶ ۰۴
3. Elham Rahimtoroghi,Mehran Kasra ,A Novel Electrospun Scaffold For Collagenous Connective Tissue Regeneration ,pp. 0-0 بیست و هشتمین کنفرانس ملی و ششمین کنفرانس بین المللی مهندسی زیست پزشکی ایران، تهران، 25 11 2021,
4. Gharehaghaji Ali Akbar ,Preparation and characterization of PVA twisted yarns using electrospinning method ,24th International IFATCC Congress ,pp. 1-5 ,2016 06 13.
5. Semnani Rahbar Rouhollah,Kalantari Bahareh ,Development of Continuous Twisted Nanofiber Yarn Containing Microencapsulated Phase Change Materials (PCMs) ,24th International IFATCC Congress ,pp. 6-10 ,2016 06 13.
6. Hossein Barani ,Antibacterial Poly-l-lactide acid / Polyvinyl alcohol Nanofibrous Hybrid Yarns ,24th International IFATCC Congress ,pp. - ,2016 06 13.

Papers in Journals

1. Bahareh Azimi,Claudio Ricci,Teresa Macchi,Cemre Günday,Sara Munafı,Federico Pratesi,Veronika Tempesti,Caterina Cristallini,Luca Bruschini,Andrea Lazzeri,Serena Danti,Nazende Günday ,& Tırelı,A Straightforward Method to Produce Multi-Nanodrug Delivery Systems for Transdermal/Tympanic Patches Using Electrospinning and Electrospray,Polymers,Vol. 17,No. 15,pp. 3494-3512,2023,ISI,JCR,Scopus.
2. Hossein Barani,Sennur Alay Aksoy,Demet Yılmaz,Rouhollah Semnani Rahbar,Fabrication and characterization of nanoencapsulated PCM-doped cotton/PAN nanofiber based composite yarns for

21. Gharehaghaji A.A.,Dijkstra P.J.,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,Vol. 71,pp. 231-237,2017,JCR.Scopus.
22. Gharehaghaji A A,Toliyat T,Dijkstra P J,Drug release behavior of electrospun twisted yarns as implantable medical devices,Biofabrication,Vol. 8,pp. 1-13,2016,JCR.Scopus.
23. Semnani Rahbar Rouhollah,Kalantari Bahareh,Fabrication of electrospun nanofibre yarn based on nylon 6/microencapsulated phase change materials,Journal of Experimental Nanoscience,Vol. 11,pp. 1402-1415,2016,JCR.Scopus.
24. Ali Akbar Gharehaghaji,Giuseppe Criscenti,Lorenzo Moroni,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,Vol. 5,No. 132,pp. 41388-41401,2014,JCR.Scopus.
25. A A Gharehaghaji,L Moroni,P J Dijkstra,Influence of the solvent type on the morphology and mechanical properties of electrospun PLLA yarns,Biofabrication,Vol. 3,No. 5,pp. 35014-35021,2013,ISI.JCR.Scopus.

Books

1. The wool Handbook, Chapter 21