

Shahin Bonakdar

Professional Experiences

- Fellowship-awarded Visiting Scientist at Hamburg University- Germany since 03.2022
- Academic member at National Cell Bank of Iran, Pasteur Institute of Iran since 12.2011
Stem Cell Engineering & Biomaterials Laboratories
- Co-founder of Nano Zist Arayeh Company 10.2012 to 03.2022
 - Technical Director for Biocompatibility 10.2012 to 10.2016
Authorized company by National Medical Device Directorate of Iran for biological evaluation of medical devices according to ISO-10993
- Post-Doctoral Fellow in Skin Tissue Engineering, Pasteur Institute of Iran 01.2010-12.2011
Prof. Mohammad Ali Shokrgozar laboratory

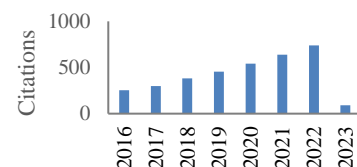
Research Activities

- Visiting researcher at Microsystem Laboratory 4, EPFL, Lausanne, Swiss 07.2016 - 08.2016
- Sabbatical program at Centre of Micro-nano-technology ([CMI](#)), EPFL, Swiss 02.2015 - 08.2015
 - Trainings in microfabrication
- Visiting scientist at Biophotonic Laboratory, Marburg University 05.2013 - 05.2013

Publications

- Peer-review manuscripts: 115 articles ([Link](#))
 - **Cytotoxicity assessments**
 - **Cell-Biomaterials interactions**
 - **Cell function analysis**
- Published book: Polymers in Medicine
- Book chapters: 3 Chapters
- Patents registered at Iran Intellectual Property Organization: 10 Patents

	All	Since 2018
Citations	4100	3099
h-index	37	33
i10-index	94	86



Prizes and Awards

- Distinguished scientist as the best researcher at Iran Pasteur Institute 2021
- Selected as a prominent medical researcher of the country 2018
- Distinguished scientist as top inventor at Iran Pasteur Institute 2018
- Distinguished scientist as the best researcher at Iran Pasteur Institute 2017
- Distinguished scientist as top inventor at Iran Pasteur Institute 2017

Educations

- Ph.D. in Biomedical Engineering- Biomaterials, Amirkabir University of Technology 09.2005-01.2010
Thesis title: Preparation and characterization of PVA-polyurethane scaffold for cartilage tissue engineering

Certificates

- Certified as a Laboratory Technical Director by Iran Food and Drug Administrator for biocompatibility assessments (ISO 10993)
- Certified as a Production Technical Director by Iranian Medical Device Society in collaboration with Iran health ministry
Long-term courses in medical device production including; Essential requirements, Risk management ISO 14971, FDA and CE certification systems, MDR, Packaging, Quality control, Quality management ISO 13485, ...
- Certified as a technician for GMP guidelines

Workshops

- Certificate of attendance in “Market analysis for start-ups”
Partnership of Hamburg University and DESY, October 2022
- Certificate of attendance in “Business Modelling”
Partnership of Hamburg University and DESY, September 2022

Product development

- Collagen-based products
Experience in Isolation, Purification, Production and Characterization 10.2015 - 12.2021

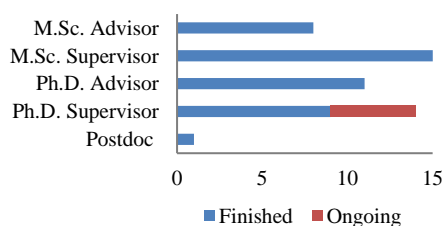
Funding

- Research grants and awards from Pasteur Institute of Iran: 11 grants and awards
- Research grants from National Institute of Medical Sciences Research (NIMAD): 3 grants
- Research grant from Iran Food and Drug Administration: 1 grant
- Research grant from Iran National Science Foundation (INSF): 1 grant

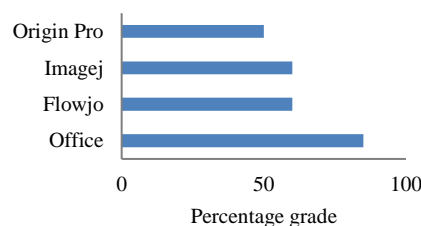
Teaching Experience

- Hamburg University
Course: Nano-Bio for B.Sc and M.Sc, Lectures on cell cultures and characterization methods
- Amirkabir University of Technology, Faculty of Biomedical Engineering
Courses: Fundamental of Biomaterials, Medical Implants, Fundamentals of Polymers, Biological Evaluations
- Tehran University of Medical Science, School of Pharmacy
Course: Biopharmaceutical
- Pasteur Institute of Iran
Courses: Introduction to Nanobiotechnology, Cell Cultures, Application of Stem Cells in Medical Biotechnology
- Royan Institute
Course: Methods of Fabrication and Characterization of Scaffolds
- Iran University of Science and Technology
Course: Tissue Engineering
- Azad University, Science and Research Branch
Course: Tissue Engineering, Stem Cell Engineering

Mentoring Student Project



Software



Language Skills Levels

