

In The Name Of GOD

Name: Mehrnoosh Rafiei

Email: Mehrnooshrafiei@gmail.com

Education

BSc.

University: Sharif University of Technology

Major: Chemical Engineering

Thesis: Plant design of osmotic pump tablets

Supervisor: Dr.M.J.Abdekhodaie

Msc.

University: Sharif university of Technology

Major: Biomedical Engineering

Thesis: Combination of PRP (platelet rich plasma) with Polymeric Scaffold for Cartilage Regeneration

*Accepted for MSc course of chemical engineering in Sharif University of technology without MSc general entrance examination because of being in top 10 students in BSc course of Chemical Engineering in Sharif University of Technology

Supervisor: Dr.M.J.Abdekhodaie

Phd.

Major: Nanotechnology

Thesis:

Supervisor:

*Accepted for PhD course of Nanotechnology in Sharif University of technology without PhD general entrance examination because of being the top student in MSc course of Biomedical Engineering in Sharif University of Technology

Research Interests:

Pursuing graduate studies in Bionanomedical Engineering field with special interests in:

Nanotechnology, Tissue engineering, Regenerative Medicine, Drug delivery, Artificial organs, Biotechnology



Teaching Experience:

09/2013 – 09/2014, Teaching Assistant of “Unit Operation of Chemical Engineering. 2”,
Dr. Baghalha, Sharif University of Technology.

Relevant Projects:

- Heat and Mass Transfer Analysis of a Cartesian Aquarium in terms of Optimum Design by MATLAB
- Developing a Computer Package for solving Linear/non-Linear systems of Equations by MATLAB
- Technical Report on Applications of Gold Hollow Nanoparticles in Medical Sciences
- Design and Optimization of Acetone Production Plant by HYSYS

Publications:

M.Rafiei, E.Jooybar, M.J.Abdekhodaie, M.Alvi, “Construction of 3D fibrous PCL scaffolds by coaxial electrospinning for protein delivery”, Submitted, May 2018.