Personal information:

Name: Mohammad

Last name: Nikbakht

Address: Department of Medical Biotechnology, School of Advanced Technologies

Shahrekord University of Medical Sciences, Iran.

E-mails:m.nikbakht123@gmail.com

m.nikbakht@skums.ac.ir

Research Activities Field:

Medical Nanotechnology and Tissue Engineering

Education Records:

Ph.D.:

Department of Medical Nanotechnology, School of Advanced Technologies in Medicine, Tehran University of Medical Sciences (TUMS), Tehran, Iran.

PhD of Medical Nanotechnology,

Thesis: Preparation, Characterization, and Evaluation of Electrospun Nanocomposite Scaffolding of Poly-Hydroxybutyrate / Chitosan / Hyaluronic Acid /Fnctional Carbon Nanotubes for use in Cartilage Tissue Engineering (defended degree, 19.23).

M.Sc.:

Department of Medical Nanotechnology, School of Advanced Technologies in Medicine, Tehran University of Medical Sciences (TUMS), Tehran, Iran.

MSc of Medical Nanotechnology,

Thesis: Preparation and Characterization Electrospun nanofibers of chitosan-based containing Aloe vera extract for treating wounds and burns and investigating its effect in improving the healing process of wounds and burns in rats

B.Sc.:

The School Of Allied Medical Sciences, University of Medical Sciences (TUMS), Tehran, Iran

BSc of Radiology

Selected Publications:

Journals:

1- **Sophisticated polycaprolactone/gelatin nanofibrous nerve guided conduit containing platelet-rich plasma and citicoline for peripheral nerve regeneration: in vitro and in vivo study**
H. Samadian, A. Ehterami, A. Sarrafzadeh, H. Khastar, M. Nikbakht, A. Rezaei, et al.
International journal of biological macromolecules 2020 Vol. 150 Pages 380-388.

2- **Evaluation of the effects of hyaluronic acid on poly (3-hydroxybutyrate)/chitosan/carbon nanotubes electrospun scaffold: structure and mechanical properties**
M. Nikbakht, S. Karbasi, S. M. Rezayat, S. Tavakol and E. Sharifi
Polymer-Plastics Technology and Materials 2019 Vol. 58 Issue 18 Pages 2031-2040.

3- **Biological evaluation of the effects of Hyaluronic acid on Poly (3-hydroxybutyrate) based Electrospun Nanocomposite scaffolds for cartilage tissue engineering application**
M. Nikbakht, S. Karbasi and S. M. Rezayat
Materials Technology 2020 Vol. 35 Issue 3 Pages 141-151.

4- **Various parameters in the preparation of chitosan/polyethylene oxide electrospun nanofibers containing Aloe vera extract for medical applications**
M. Nikbakht, M. Salehi, S. M. Rezaya and R. F. Majidi
Nanomedicine Journal 2020 Vol. 7 Issue 1 Pages 21-28.