

## Accepted Manuscript

Title: Fabrication and Characterization of Conductive Chitosan/Gelatin-based Scaffolds for Nerve Tissue Engineering

Author: Hossein Baniasadi S.A. Ahmad Ramazani Shohreh Mashayekhan



PII: S0141-8130(14)00818-6  
DOI: <http://dx.doi.org/doi:10.1016/j.ijbiomac.2014.12.014>  
Reference: BIOMAC 4776

To appear in: *International Journal of Biological Macromolecules*

Received date: 6-10-2014  
Revised date: 28-11-2014  
Accepted date: 3-12-2014

Please cite this article as: H. Baniasadi, S.A.A. Ramazani, S. Mashayekhan, Fabrication and Characterization of Conductive Chitosan/Gelatin-based Scaffolds for Nerve Tissue Engineering, *International Journal of Biological Macromolecules* (2014), <http://dx.doi.org/10.1016/j.ijbiomac.2014.12.014>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**Professor**

John F. Kennedy

Editor in Chief

**International Journal of Biological Macromolecules**

Dear Prof. Kennedy

Please find the attached manuscript entitled “**Fabrication and Characterization of Conductive Chitosan/Gelatin-based Scaffolds for Nerve Tissue Engineering**” being submitted to your esteemed Journal for publication considerations.

The highlighted significances of the current research have been presented below:

- Preparation of porous conductive chitosan/gelatin scaffold containing polyaniline/graphene (PAG) nanocomposite
- Investigation of PAG loading effects on various properties of prepared scaffolds including physical, electrical, and mechanical properties
- Investigation of biodegradability of the prepared scaffolds
- Investigation of biocompatibility of the scaffolds with Schwann cells
- Introducing porous conductive chitosan/gelatin/PAG scaffold with low amount of PAG (2.5 wt. %) as a suitable material having proper characteristics for nerve tissue engineering applications

I am thankful for your kind and considerate attention and I am looking forward to hearing good news from you soon.

Sincerely yours,

Ahmad Ramazani S.A.

Professor of Chemical and Petroleum Engineering

Sharif University of Technology

Address: Azadi Avenue, P.O. Box 11365-9465,

Tehran, Iran

Zip code: 11365-9465

Tel.: +98 216616 6405

Fax: +98 216602 6405

E-mail: [ramazani@sharif.edu](mailto:ramazani@sharif.edu)

Download English Version:

<https://daneshyari.com/en/article/8332029>

Download Persian Version:

<https://daneshyari.com/article/8332029>

[Daneshyari.com](https://daneshyari.com)