Accepted Manuscript

Title: Hydroxypropylmethyl cellulose (HPMC) crosslinked Chitosan (CH) based scaffolds containing Bioactive glass (BG) and Zinc oxide (ZnO) for Alveolar Bone Repair

Authors: Rabia Zeeshan, Zeeshan Mutahir, Haffsah Iqbal, Moazzam Ali, Farasat Iqbal, Kashif Ijaz, Faiza Sharif, Asma Tufail Shah, Aqif Anwar Chaudhry, Muhammad Yar, Shifang Luan, Ather Farooq Khan, Ihtesham-ur-Rehman

PII: S0144-8617(18)30309-6

DOI: https://doi.org/10.1016/j.carbpol.2018.03.046

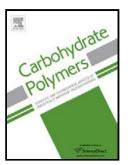
Reference: CARP 13396

To appear in:

Received date: 8-12-2017 Revised date: 15-3-2018 Accepted date: 16-3-2018

Please cite this article as: Zeeshan, Rabia., Mutahir, Zeeshan., Iqbal, Haffsah., Ali, Moazzam., Iqbal, Farasat., Ijaz, Kashif., Sharif, Faiza., Shah, Asma Tufail., Chaudhry, Aqif Anwar., Yar, Muhammad., Luan, Shifang., Khan, Ather Farooq., & Ihtesham-ur-Rehman, ., Hydroxypropylmethyl cellulose (HPMC) crosslinked Chitosan (CH) based scaffolds containing Bioactive glass (BG) and Zinc oxide (ZnO) for Alveolar Bone Repair. *Carbohydrate Polymers* https://doi.org/10.1016/j.carbpol.2018.03.046

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.



ACCEPTED MANUSCRIPT

Hydroxypropylmethyl cellulose (HPMC) crosslinked Chitosan (CH) based scaffolds containing Bioactive glass (BG) and Zinc oxide (ZnO) for Alveolar Bone Repair

Rabia Zeeshan¹, Zeeshan Mutahir², Haffsah Iqbal¹, Moazzam Ali², Farasat Iqbal¹, Kashif Ijaz¹, Faiza Sharif¹, Asma Tufail Shah¹, Aqif Anwar Chaudhry¹, Muhammad Yar¹, Shifang Luan³, Ather Farooq Khan^{1*}, Ihtesham-ur-Rehman⁴

¹Interdisciplinary Research Centre in Biomedical Materials, COMSATS Institute of Information Technology, Defence Road, Off. Raiwind Road, Lahore, 54000, Pakistan

²Institute of Biochemistry and Biotechnology, University of the Punjab, 54590 Lahore, Pakistan

³State Key Laboratory of Polymer Physics and Chemistry, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, Changchun 130022, PR China

⁴The Kroto Research Institute, North Campus, University of Sheffield, Broad Lane, Sheffield, S3 7HQ, UK

*Corresponding author: Tel.: +92 (0) 42 111 001 007 ext. 894

Email address: atherfarooq@ciitlahore.edu.pk

Download English Version:

https://daneshyari.com/en/article/7782464

Download Persian Version:

https://daneshyari.com/article/7782464

<u>Daneshyari.com</u>