

Accepted Manuscript

Fabrication of multifunctional chitosan-based nanocomposite film with rapid healing and antibacterial effect for wound management

Shanmugapriya Kaminidevi, Hyejin Kim, Periaswamy Sivagnanam Saravana, Byung-Soo Chun, Hyun Wook Kang



PII: S0141-8130(18)32512-1
DOI: doi:[10.1016/j.ijbiomac.2018.07.018](https://doi.org/10.1016/j.ijbiomac.2018.07.018)
Reference: BIOMAC 10062

To appear in: *International Journal of Biological Macromolecules*

Received date: 23 May 2018

Revised date: 4 July 2018

Accepted date: 5 July 2018

Please cite this article as: Shanmugapriya Kaminidevi, Hyejin Kim, Periaswamy Sivagnanam Saravana, Byung-Soo Chun, Hyun Wook Kang , Fabrication of multifunctional chitosan-based nanocomposite film with rapid healing and antibacterial effect for wound management. *Biomac* (2018), doi:[10.1016/j.ijbiomac.2018.07.018](https://doi.org/10.1016/j.ijbiomac.2018.07.018)

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.

Fabrication of multifunctional chitosan-based nanocomposite film with rapid healing and antibacterial effect for wound management

Shanmugapriya Kaminidevi^a, Hyejin Kim^b, Periaswamy Sivagnanam Saravana^c, Byung-Soo Chun^c and Hyun Wook Kang^{a,b,*}

^aDepartment of Biomedical Engineering and Center for Marine-Integrated Biomedical Technology (BK 21 Plus), Pukyong National University, Busan, South Korea

^bInterdisciplinary program of Biomedical Mechanical & Electrical Engineering, Pukyong National University, Busan, South Korea

^cDepartment of Food Science and Technology, Pukyong National University, Busan, South Korea

***Corresponding author:**

Hyun Wook Kang, Ph.D.
Associate Professor,
Department of Biomedical Engineering,
Pukyong National University,
Busan-48513, South Korea.
Tel: +82-51-629-5774
E-mail: wkang@pukyong.ac.kr; shanmugapriya8@gmail.com

Download English Version:

<https://daneshyari.com/en/article/10156865>

Download Persian Version:

<https://daneshyari.com/article/10156865>

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