

Accepted Manuscript

Title: Astaxanthin-alpha tocopherol nanoemulsion formulation by emulsification methods: Investigation on anticancer, wound healing, and antibacterial effects

Authors: Shanmugapriya Karuppusamy, Hyejin Kim, Periaswamy Sivagnanam Saravana, Byung-Soo Chun, Hyun Wook Kang



PII: S0927-7765(18)30573-3
DOI: <https://doi.org/10.1016/j.colsurfb.2018.08.042>
Reference: COLSUB 9574

To appear in: *Colloids and Surfaces B: Biointerfaces*

Received date: 14-6-2018
Revised date: 11-8-2018
Accepted date: 19-8-2018

Please cite this article as: Karuppusamy S, Kim H, Saravana PS, Chun B-Soo, Kang HW, Astaxanthin-alpha tocopherol nanoemulsion formulation by emulsification methods: Investigation on anticancer, wound healing, and antibacterial effects, *Colloids and Surfaces B: Biointerfaces* (2018), <https://doi.org/10.1016/j.colsurfb.2018.08.042>

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.

Astaxanthin-alpha tocopherol nanoemulsion formulation by emulsification methods: Investigation on anticancer, wound healing, and antibacterial effects

Shanmugapriya Karuppusamy^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

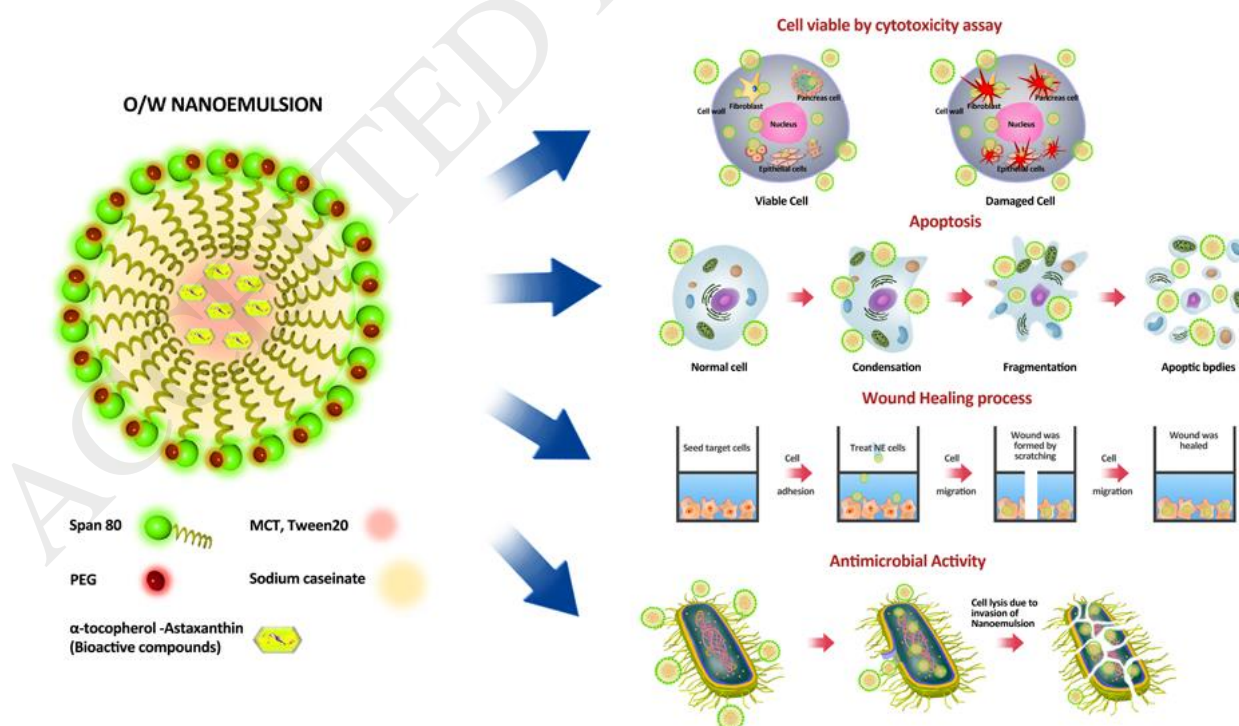
^bInterdisciplinary program of Biomedical Mechanical & Electrical Engineering, Pukyong National University, Busan, South Korea

^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, South Korea. Tel: +82-51-629-5774 E-mail: wkang@pukyong.ac.kr & shanmugapriya8@gmail.com

Graphical abstract



Download English Version:

<https://daneshyari.com/en/article/9952460>

Download Persian Version:

<https://daneshyari.com/article/9952460>

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