The simultaneous loading of catechin and quercetin on chitosanbased nanoparticles as effective antioxidant and antibacterial agent



Feng Li, Huimiao Jin, Jie Xiao, Xusheng Yin, Xinying Liu, Dapeng Li, Qingrong Huang

PII:	S0963-9969(18)30406-X
DOI:	doi:10.1016/j.foodres.2018.05.038
Reference:	FRIN 7628
To appear in:	Food Research International
Received date:	21 December 2017
Revised date:	15 May 2018
Accepted date:	18 May 2018

Please cite this article as: Feng Li, Huimiao Jin, Jie Xiao, Xusheng Yin, Xinying Liu, Dapeng Li, Qingrong Huang, The simultaneous loading of catechin and quercetin on chitosan-based nanoparticles as effective antioxidant and antibacterial agent. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Frin(2017), doi:10.1016/j.foodres.2018.05.038

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

The simultaneous loading of catechin and quercetin on chitosan-based nanoparticles as effective antioxidant and antibacterial agent

Feng Li <sup>a,1</sup>, Huimiao Jin <sup>a,1</sup>, Jie Xiao <sup>b</sup>, Xusheng Yin<sup>c</sup>, Xinying Liu<sup>c</sup>, Dapeng Li <sup>a,\*</sup>, Qingrong Huang <sup>a,b\*</sup>

 <sup>a</sup> Key Laboratory of Food Processing Technology and Quality Control in Shandong Province, College of Food Science and Engineering, Shandong Agricultural University, 61 Daizong Street, Taian 271018, People's Republic of China
<sup>b</sup> Department of Food Science, Rutgers University, New Brunswick, NJ 08901, USA

<sup>c</sup> Center of Bee Industry on Seed-breeding and Popularization in Shandong Province,
Taian 271000, People's Republic of China

Declarations of interest: none.

<sup>&</sup>lt;sup>1</sup>These authors contributed equally to this work.

<sup>\*</sup> Correspondence should be addressed.

Tel.(Fax): +86-0538-8242876; E-mail: dpli73@sdau.edu.cn (D Li)

Tel.: +1-848-932-5514; Fax: +1-732-932-6776; E-mail: <u>qhuang@sebs.rutgers.edu</u> (Q Huang).

Download English Version:

## https://daneshyari.com/en/article/8888682

Download Persian Version:

https://daneshyari.com/article/8888682

Daneshyari.com