

# Accepted Manuscript

Nanocomplexes arising from protein-polysaccharide electrostatic interaction as a promising carrier for nutraceutical compounds

Seyed Mohammad Hashem Hosseini, Zahra Emam-Djomeh, Paolo Sabatino, Paul Van der Meeren



PII: S0268-005X(15)00156-3

DOI: [10.1016/j.foodhyd.2015.04.006](https://doi.org/10.1016/j.foodhyd.2015.04.006)

Reference: FOOHYD 2949

To appear in: *Food Hydrocolloids*

Received Date: 10 October 2014

Revised Date: 3 March 2015

Accepted Date: 5 April 2015

Please cite this article as: Hosseini, S.M.H., Emam-Djomeh, Z., Sabatino, P., Van der Meeren, P., Nanocomplexes arising from protein-polysaccharide electrostatic interaction as a promising carrier for nutraceutical compounds, *Food Hydrocolloids* (2015), doi: 10.1016/j.foodhyd.2015.04.006.

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.

**Graphical abstract:** Schematic representation of the nutraceuticals entrapment within electrostatically stable nanocomplexes arising from  $\beta$ -lactoglobulin-sodium alginate interaction

**Title: Nanocomplexes arising from protein-polysaccharide electrostatic interaction as a promising carrier for nutraceutical compounds**

Seyed Mohammad Hashem Hosseini<sup>a,\*</sup>, Zahra Emam-Djomeh<sup>b</sup>, Paolo Sabatino<sup>c</sup>, Paul Van der Meeren<sup>c</sup>

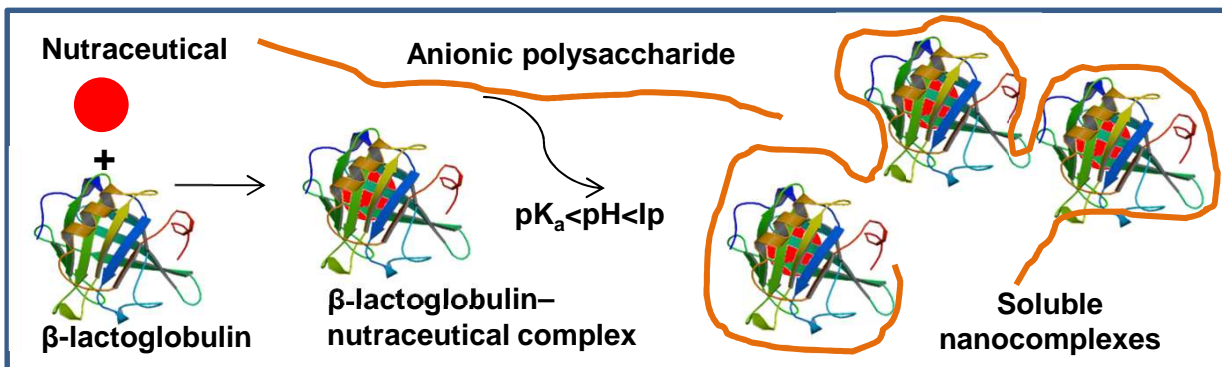
<sup>a</sup> Department of Food Science and Technology, College of Agriculture, Shiraz University, 71441-65186 Shiraz, Iran

<sup>b</sup> Department of Food Science, Technology and Engineering, Faculty of Agricultural Engineering and Technology, Agricultural Campus of the University of Tehran, 31587-11167 Karadj, Iran, P. O. Box: 4111

<sup>c</sup> Particle and Interfacial Technology Group, Faculty of Bioscience Engineering, Ghent University, Coupure Links 653, B-9000 Gent, Belgium

\* Corresponding author. Tel.: +98 71 32286110; fax: +98 71 32286110

E-mail address: [hhosseini@shirazu.ac.ir](mailto:hhosseini@shirazu.ac.ir) (S. M. H. Hosseini).



Download English Version:

<https://daneshyari.com/en/article/604176>

Download Persian Version:

<https://daneshyari.com/article/604176>

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