

# Accepted Manuscript

Controlling lipid digestion profiles using mixtures of different types of microgel:  
alginate beads and carrageenan beads

Fang Chen, Zeyuan Deng, Zipei Zhang, Ruojie Zhang, Qunying Xu, Guangqin Fan,  
Ting Luo, David Julian McClements



PII: S0260-8774(18)30259-0

DOI: [10.1016/j.jfoodeng.2018.06.009](https://doi.org/10.1016/j.jfoodeng.2018.06.009)

Reference: JFOE 9292

To appear in: *Journal of Food Engineering*

Received Date: 23 October 2017

Revised Date: 31 May 2018

Accepted Date: 9 June 2018

Please cite this article as: Fang Chen, Zeyuan Deng, Zipei Zhang, Ruojie Zhang, Qunying Xu, Guangqin Fan, Ting Luo, David Julian McClements, Controlling lipid digestion profiles using mixtures of different types of microgel: alginate beads and carrageenan beads, *Journal of Food Engineering* (2018), doi: 10.1016/j.jfoodeng.2018.06.009

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.

1 **Controlling lipid digestion profiles using mixtures**  
2 **of different types of microgel: alginate beads and**  
3 **carrageenan beads**

4 Fang Chen<sup>1,2,4</sup>, Zeyuan Deng<sup>3</sup>, Zipei Zhang<sup>2</sup>, Ruojie Zhang<sup>2</sup>,  
5 Qunying Xu<sup>1,4</sup>, Guangqin Fan<sup>1,4</sup>, Ting Luo<sup>3</sup>, and David Julian  
6 McClements<sup>2\*</sup>

7  
8 <sup>1</sup> *School of Public Health, Nanchang University, Nanchang 330006, China*

9 <sup>2</sup> *Department of Food Science, University of Massachusetts Amherst, Amherst, MA*  
10 *01003, USA*

11 <sup>3</sup> *State Key Laboratory of Food Science and Technology, Nanchang University,*  
12 *Nanchang 330047, China*

13 <sup>4</sup> *Jiangxi Provincial Key Laboratory of Prevention Medicine, Nanchang University,*  
14 *Nanchang 330006, China*

15

16 **Journal:** Journal of Food Engineering

17 **Submitted:** October 2017

18

19 \* *Corresponding authors:* D.J. McClements, Department of Food Science, University  
20 of Massachusetts Amherst, Amherst, MA 01003, USA. Tel.: +1 413-545-12275; fax:  
21 +1 413-545-1262; e-mail: [mccllements@foodsci.umass.edu](mailto:mccllements@foodsci.umass.edu).

22

23

Download English Version:

<https://daneshyari.com/en/article/6664414>

Download Persian Version:

<https://daneshyari.com/article/6664414>

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