

Accepted Manuscript

Shear-thickening behavior of gelatinized waxy starch dispersions promoted by the starch molecular characteristics

Fang Fang, Yunus E. Tuncil, Xuan Luo, Xiaosu Tong, Bruce R. Hamaker, Osvaldo H. Campanella



PII: S0141-8130(18)32615-1
DOI: doi:[10.1016/j.ijbiomac.2018.09.137](https://doi.org/10.1016/j.ijbiomac.2018.09.137)
Reference: BIOMAC 10572

To appear in: *International Journal of Biological Macromolecules*

Received date: 30 May 2018
Revised date: 5 September 2018
Accepted date: 22 September 2018

Please cite this article as: Fang Fang, Yunus E. Tuncil, Xuan Luo, Xiaosu Tong, Bruce R. Hamaker, Osvaldo H. Campanella, Shear-thickening behavior of gelatinized waxy starch dispersions promoted by the starch molecular characteristics. *Biomac* (2018), doi:[10.1016/j.ijbiomac.2018.09.137](https://doi.org/10.1016/j.ijbiomac.2018.09.137)

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.

Shear-thickening behavior of gelatinized waxy starch dispersions promoted by
the starch molecular characteristics

Fang Fang^{1,4}, Yunus E. Tuncil^{1,4,+}, Xuan Luo^{2,4}, Xiaosu Tong³, Bruce R. Hamaker^{1,4}, Osvaldo H. Campanella^{2,4,*}

1. Department of Food Science, Purdue University, West Lafayette, IN 47906, USA

2. Department of Agricultural and Biological Engineering, Purdue University, West Lafayette, IN 47906, USA

3. Department of Statistics, Purdue University, West Lafayette, IN 47906, USA

4. Whistler Center for Carbohydrate Research, Purdue University, West Lafayette, IN 47906, USA

+. Present address: Food Engineering Department, Ordu University, Ordu, 52200, Turkey

*. Corresponding author

Download English Version:

<https://daneshyari.com/en/article/11010953>

Download Persian Version:

<https://daneshyari.com/article/11010953>

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