

Accepted Manuscript

Title: Development and characterization of irradiated-corn-starch films

Authors: Li Li, Hongpu Chen, Min Wang, Xiaolan Lv, Yongfu Zhao, Liru Xia



PII: S0144-8617(18)30446-6
DOI: <https://doi.org/10.1016/j.carbpol.2018.04.060>
Reference: CARP 13514

To appear in:

Received date: 9-12-2017
Revised date: 3-4-2018
Accepted date: 15-4-2018

Please cite this article as: Li, Li., Chen, Hongpu., Wang, Min., Lv, Xiaolan., Zhao, Yongfu., & Xia, Liru., Development and characterization of irradiated-corn-starch films. *Carbohydrate Polymers* <https://doi.org/10.1016/j.carbpol.2018.04.060>

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.

Development and characterization of irradiated-corn-starch films

Li Li^{a,b*}, Hongpu Chen^c, Min Wang^a, Xiaolan Lv^{a,b}, Yongfu Zhao^a, Liru Xia^a

^a *Institute of Agricultural Facilities and Equipment, Jiangsu Academy of Agricultural Sciences*

^b *Key Laboratory for Protected Agricultural Engineering in the Middle and Lower Reaches of Yangtze River, Ministry of Agriculture*

^c *College of Food Science and Technology, Nanjing Agricultural University*

*Corresponding author: Dr. Li Li, Institute of Agricultural Facilities and Equipment, Jiangsu Academy of Agricultural Sciences, Nanjing 210014, China. Key Laboratory for Protected Agricultural Engineering in the Middle and Lower Reaches of Yangtze River, Ministry of Agriculture, Nanjing 210014, China.

Address: 50 Zhongling Stree, Nanjing 210014, China

E-mail: muzishuiqudou@163.com (LL)

Fax: +86-25-8439 1661

Highlights

- Gamma ray irradiation decreased the crystallinity of starch
- Gamma ray irradiation decreased the distribution of larger starch particles

Download English Version:

<https://daneshyari.com/en/article/7782456>

Download Persian Version:

<https://daneshyari.com/article/7782456>

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