

# Accepted Manuscript

Thermo-mechanical, rheological, structural and antimicrobial properties of bionanocomposite films based on fish skin gelatin and silver-copper nanoparticles

Yasir Ali Arfat, Jasim Ahmed, Nikhil Hiremath, Rafael Auras, Antony Joseph



PII: S0268-005X(16)30346-0

DOI: [10.1016/j.foodhyd.2016.08.009](https://doi.org/10.1016/j.foodhyd.2016.08.009)

Reference: FOOHYD 3539

To appear in: *Food Hydrocolloids*

Received Date: 6 January 2016

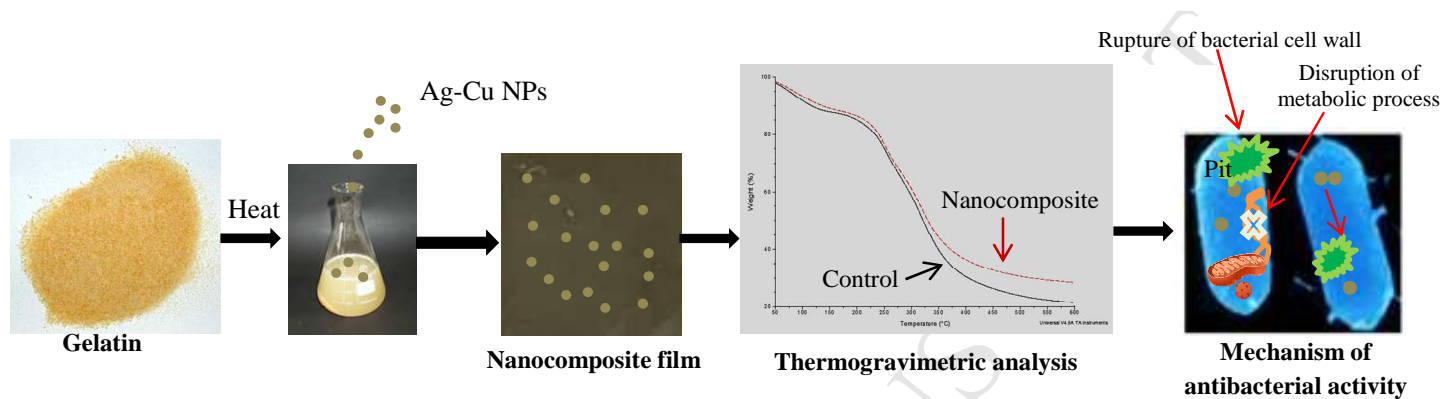
Revised Date: 25 July 2016

Accepted Date: 1 August 2016

Please cite this article as: Arfat, Y.A., Ahmed, J., Hiremath, N., Auras, R., Joseph, A., Thermo-mechanical, rheological, structural and antimicrobial properties of bionanocomposite films based on fish skin gelatin and silver-copper nanoparticles, *Food Hydrocolloids* (2016), doi: 10.1016/j.foodhyd.2016.08.009.

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.

## Graphical Abstract



Download English Version:

<https://daneshyari.com/en/article/604014>

Download Persian Version:

<https://daneshyari.com/article/604014>

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