

Accepted Manuscript



A Comparative Study on the Effect of Superheated Steam and Hot Air Drying on Microstructure of Distillers' Spent Grain Pellets Using X-ray Micro-computed Tomography

Chyngyz Erkinbaev, Rani Puthukulangara Ramachandran, Stefan Cenkowski, Jitendra Paliwal

PII: S0260-8774(18)30335-2
DOI: 10.1016/j.jfoodeng.2018.08.004
Reference: JFOE 9354
To appear in: *Journal of Food Engineering*
Received Date: 13 March 2018
Accepted Date: 04 August 2018

Please cite this article as: Chyngyz Erkinbaev, Rani Puthukulangara Ramachandran, Stefan Cenkowski, Jitendra Paliwal, A Comparative Study on the Effect of Superheated Steam and Hot Air Drying on Microstructure of Distillers' Spent Grain Pellets Using X-ray Micro-computed Tomography, *Journal of Food Engineering* (2018), doi: 10.1016/j.jfoodeng.2018.08.004

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 **A Comparative Study on the Effect of Superheated Steam and Hot Air Drying**
2 **on Microstructure of Distillers' Spent Grain Pellets Using X-ray Micro-**
3 **computed Tomography**

4 Chyngyz Erkinbaev¹, Rani Puthukulangara Ramachandran¹, Stefan Cenkowski, and Jitendra
5 Paliwal*

6 *Department of Biosystems Engineering, University of Manitoba, E2-376, EITC, 75A*
7 *Chancellor's Circle, Winnipeg, R3T 2N2, Manitoba, Canada*

8 **Corresponding author:*

9 ¹These two authors contributed equally to this work

10 Department of Biosystems Engineering,
11 University of Manitoba,
12 E2-376, EITC, 75A Chancellor's Circle,
13 Winnipeg, R3T 2N2, Canada
14 Phone: +1 (204) 474-8429
15 Fax: +1 (204) 474-7512
16 E-mail: j.paliwal@umanitoba.ca
17

Download English Version:

<https://daneshyari.com/en/article/11000696>

Download Persian Version:

<https://daneshyari.com/article/11000696>

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