

Accepted Manuscript

Title: Hydrodynamics of Slot-Rectangular Spouted Beds:
Process Intensification

Authors: Shahab Golshan, Reza Zarghami, Navid Mostoufi

PII: S0263-8762(17)30163-6
DOI: <http://dx.doi.org/doi:10.1016/j.cherd.2017.03.022>
Reference: CHERD 2620



To appear in:

Received date: 12-1-2017
Revised date: 17-3-2017
Accepted date: 20-3-2017

Please cite this article as: Golshan, Shahab, Zarghami, Reza, Mostoufi, Navid, Hydrodynamics of Slot-Rectangular Spouted Beds: Process Intensification. Chemical Engineering Research and Design <http://dx.doi.org/10.1016/j.cherd.2017.03.022>

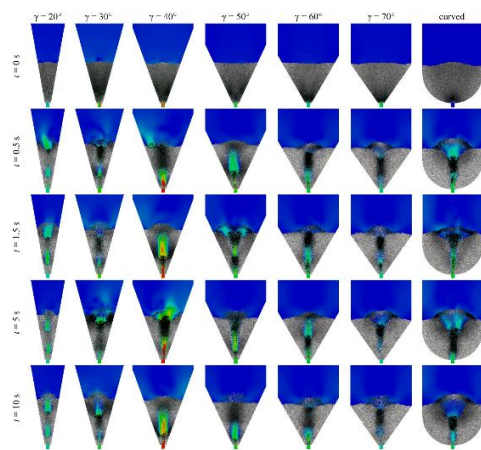
This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please 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.

Hydrodynamics of Slot-Rectangular Spouted Beds: Process Intensification

Shahab Golshan, Reza Zarghami*, Navid Mostoufi

Process Design and Simulation Research Centre, School of Chemical Engineering, College of Engineering, University of Tehran, P.O. Box 11155/4563, Tehran, Iran

Graphical abstract



Highlights

- Effect of bed geometry is studied on hydrodynamics of slot-rectangular spouted bed.
- A novel U_{ms} correlation is proposed for slot-rectangular spouted beds.
- A novel curved bottom spouted bed is proposed.
- Curved bottom bed shows better solid circulation properties.

* Corresponding author, Tel.: (+98-21)6696-7797, Fax: (+98-21)6646-1024, E-mail: rzarghami@ut.ac.ir

Download English Version:

<https://daneshyari.com/en/article/4987021>

Download Persian Version:

<https://daneshyari.com/article/4987021>

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