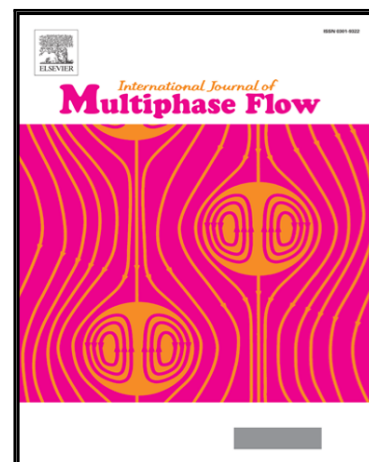


Accepted Manuscript

Evaluation of the Dimensionless Groups Based Scale-Up of Gas-Solid Spouted Beds

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PII: S0301-9322(16)30306-8
DOI: [10.1016/j.ijmultiphaseflow.2017.04.006](https://doi.org/10.1016/j.ijmultiphaseflow.2017.04.006)
Reference: IJMF 2574



To appear in: *International Journal of Multiphase Flow*

Received date: 22 May 2016
Revised date: 22 February 2017
Accepted date: 14 April 2017

Please cite this article as: Shreekanta Aradhya , Haidar Taofeeq , Muthanna Al-Dahhan , Evaluation of the Dimensionless Groups Based Scale-Up of Gas-Solid Spouted Beds, *International Journal of Multiphase Flow* (2017), doi: [10.1016/j.ijmultiphaseflow.2017.04.006](https://doi.org/10.1016/j.ijmultiphaseflow.2017.04.006)

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Highlights

- Dimensionless groups scale-up methodology is not sufficient to explain the complete hydrodynamics of the gas-solid spouted bed system.
- There is non-similarity in local dimensionless hydrodynamic parameters when all dimensionless groups are matched or close to each other.
- The global parameters should not be used primarily to assess the scale-up methodology.

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