

Accepted Manuscript

Sedimentation and Marangoni Stress in Slot Coating Flow of Particle Suspension

S. Bochner de Araujo, M.S. Carvalho

PII: S0377-0257(17)30107-6
DOI: [10.1016/j.jnnfm.2017.06.008](https://doi.org/10.1016/j.jnnfm.2017.06.008)
Reference: JNNFM 3907



To appear in: *Journal of Non-Newtonian Fluid Mechanics*

Received date: 8 March 2017
Revised date: 18 June 2017
Accepted date: 27 June 2017

Please cite this article as: S. Bochner de Araujo, M.S. Carvalho, Sedimentation and Marangoni Stress in Slot Coating Flow of Particle Suspension, *Journal of Non-Newtonian Fluid Mechanics* (2017), doi: [10.1016/j.jnnfm.2017.06.008](https://doi.org/10.1016/j.jnnfm.2017.06.008)

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.

Highlights

- Model that describes slot coating flow of non-colloidal suspension of spherical particles considering particle migration.
- Effect of Marangoni stress on slot coating flow.
- Particle distribution in the coated film is a strong function of operating conditions.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/4995588>

Download Persian Version:

<https://daneshyari.com/article/4995588>

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