

## Accepted Manuscript

Saffman–Taylor instability of viscoelastic fluids in anisotropic porous media

H. Shokri , M.H. Kayhani , M. Norouzi

PII: S0020-7403(17)30642-2  
DOI: [10.1016/j.ijmecsci.2017.11.008](https://doi.org/10.1016/j.ijmecsci.2017.11.008)  
Reference: MS 4024



To appear in: *International Journal of Mechanical Sciences*

Received date: 15 March 2017  
Revised date: 12 August 2017  
Accepted date: 6 November 2017

Please cite this article as: H. Shokri , M.H. Kayhani , M. Norouzi , Saffman–Taylor instability of viscoelastic fluids in anisotropic porous media, *International Journal of Mechanical Sciences* (2017), doi: [10.1016/j.ijmecsci.2017.11.008](https://doi.org/10.1016/j.ijmecsci.2017.11.008)

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**

- Viscoelastic Taylor-Suffman instability in anisotropic porous media is studied.
- Both CFD simulation and linear stability analysis are presented for this problem.
- The effects of elasticity and anisotropy on the instability are studied in detail.

Download English Version:

<https://daneshyari.com/en/article/7173926>

Download Persian Version:

<https://daneshyari.com/article/7173926>

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