

Petroleum Science and Technology >
Volume 35, 2017 - Issue 20

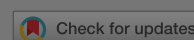
122 Views | 30 CrossRef citations to date | 0 Altmetric

Original Articles

Phase behavior modelling of asphaltene precipitation utilizing MLP-ANN approach

Fariba Zarei & Alireza Baghban ✉

Pages 2009-2015 | Published online: 30 Nov 2017

Cite this article <https://doi.org/10.1080/10916466.2017.1377233>

Sample our
Earth Sciences
Journals

>> Sign in here to start your access
to the latest two volumes for 14 days

[Full Article](#) [Figures & data](#) [References](#) [Citations](#) [Metrics](#)[Reprints & Permissions](#)[Read this article](#)

ABSTRACT

Since the sedimentation of heavy hydrocarbons such as asphaltenes, is the highlighted concern in production and operational, many studies were focused on this challenge in the petroleum industry. Therefore, the petroleum engineers should access to the asphaltene precipitation as an essential factor in order to conquer its problems. In this study, an empirical model for prediction asphaltene precipitation by multi-layer

About Cookies On This Site

We and our partners use cookies to enhance your website experience, learn how our site is used, offer personalised features, measure the effectiveness of our services, and tailor content and ads to your interests while you navigate on the web or interact with us across devices. You can choose to accept all of these cookies or only essential cookies. To learn more or manage your preferences, click "Settings". For further information about the data we collect from you, please see our [Privacy Policy](#).

Accept All

Essential Only

Settings



Related research

People also read

Recommended articles

Cited by
30

Application of the ANFIS strategy to estimate vaporization enthalpies of petroleum fractions and pure hydrocarbons [>](#)

Alireza Baghban

Petroleum Science and Technology

Published online: 9 Sep 2016

Application of LSSVM strategy to estimate asphaltene precipitation during different production processes [>](#)

Alireza Baghban et al.

Petroleum Science and Technology

Published online: 7 Dec 2016

Application of MLP-ANN as novel tool for estimation of effect of inhibitors on asphaltene precipitation reduction [>](#)

Alireza Baghban et al.

Petroleum Science and Technology

Published online: 10 May 2018

[View more](#)

About Cookies On This Site

We and our partners use cookies to enhance your website experience, learn how our site is used, offer personalised features, measure the effectiveness of our services, and tailor content and ads to your interests while you navigate on the web or interact with us across devices. You can choose to accept all of these cookies or only essential cookies. To learn more or manage your preferences, click "Settings". For further information about the data we collect from you, please see our [Privacy Policy](#).

 Accept All

Essential Only

Settings



Information for

- Authors
- R&D professionals
- Editors
- Librarians
- Societies

Opportunities

- Reprints and e-prints
- Advertising solutions
- Accelerated publication
- Corporate access solutions

Open access

- Overview
- Open journals
- Open Select
- Dove Medical Press
- F1000Research

Help and information

- Help and contact
- Newsroom
- All journals
- Books

Keep up to date

Register to receive personalised research and resources by email

 Sign me up



About Cookies On This Site

We and our partners use cookies to enhance your website experience, learn how our site is used, offer personalised features, measure the effectiveness of our services, and tailor content and ads to your interests while you navigate on the web or interact with us across devices. You can choose to accept all of these cookies or only essential cookies. To learn more or manage your preferences, click “Settings”. For further information about the data we collect from you, please see our [Privacy Policy](#).

 Accept All

Essential Only

Settings