Special Issue

Polymer Flooding and Rheology

Message from the Guest Editor

Polymer flooding is the most frequently implemented chemical enhanced oil recovery process and has received increased attention since several successful large-scale polymer flood projects were reported in the literature.

The extensive research effort has changed the perception of polymer flooding from a simple augmented water flood toward being identified as an extremely complex EOR process. This is mainly due to the non-Newtonian nature of water-soluble polymers as they flow through porous media. Despite intensive research, significant controversy and uncertainties are still associated with several topics within polymer flooding technology. One of these topics is polymer in situ porous medium rheology. Articles on bulk and in situ rheology are requested, and also modelling and experimental results on porous medium rheology. Studies of the impact of rheology; salinity; polymer structure; polymer molecular weight; flow geometry; retention; adsorption; mechanical degradation; and mobility ratio on oil recovery are key elements for improving our understanding of polymer flooding potential.

Guest Editor

Dr. Arne Skauge

Centre for Integrated Petroleum Research, Uni Research AS CIPR, Allegaten 41, Bergen, Norway

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Polymers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
polymers@mdpi.com

mdpi.com/journal/polymers

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Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.9.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Alexander Böker
Lehrstuhl für Polymermaterialien und Polymertechnologie, University of Potsdam, 14476 Potsdam-Golm, Germany

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