



## Application of Polymers for Chemical Enhanced Oil Recovery

Guest Editors:

**Dr. Hu Guo**

Unconventional Petroleum  
Research Institute, China  
University of Petroleum-Beijing,  
Beijing, China

**Dr. Zhengbo Wang**

Research Institute of Petroleum  
Exploration and Development,  
Beijing, China

**Prof. Dr. Kaoping Song**

The Unconventional Oil and Gas  
Institute, China University of  
Petroleum-Beijing, Beijing  
102249, China

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### Message from the Guest Editors

Dear Colleagues,

The commercial success of polymer flooding in China, Canada, and India in both light and heavy oil reservoirs showed the amazing potential of polymers for enhanced oil recovery (EOR). Polymers can be used to displace very viscous oils, even in low-permeability reservoirs. Meanwhile, great advances have been made in affordable surfactants to promote surfactant EOR. The combination of surfactants and polymers enables attractive surfactant-polymer (SP) flooding because of the reduced mobility ratio and increased capillary number. Traditionally, alkalis were added to help reduce the retention of expensive surfactants, but now this effect may be unnecessary. SP flooding can compete with Alkali-surfactant-polymer (ASP) flooding. Another promising technology was nanofluids EOR which was less understood. The Spring of chemical EOR is finally coming. This Special Issue welcomes all chemical EOR studies for both light and heavy oil reservoirs, as well as conventional and unconventional reservoirs. The following topics can be covered by submitted papers: polymer flooding; SP flooding; ASP flooding; alkali-polymer flooding; nanofluid EOR; emulsion flooding.





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## Editor-in-Chief

### Prof. Dr. Alexander Böker

Lehrstuhl für Polymermaterialien  
und Polymertechnologie,  
University of Potsdam, 14476  
Potsdam-Golm, Germany

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*Polymers* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/polymers  
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