



Zahra Aghaeifar

Assistant Professor

College: Faculty of Petroleum and Natural Gas
Engineering

Education

Degree	Graduated in	Major	University
BSc		Chemical (Petrochemical) Engineering	Sahand University of Technology
MSc		Chemical Engineering	Sahand University of Technology
Doctoral	2020	Petroleum Technology	University of Stavanger

Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
(not set)	(not set)	(not set)	Full Time	

Papers in Conferences

1. I. D. Piñerez Torrijos , Z. Aghaeifar , T. Puntervold , S. Strand ,Evaluation of sea water (SW) as smart water in North Sea sandstone reservoirs ,40th annual IEA EOR TCP ,Cartagena, Colombia ,2019 9 16.
2. Low Salinity EOR Effects After Seawater Flooding in A High Temperature and High Salinity Offshore Sandstone Reservoir ,SPE-191334-MS, SPE Norwegian One Day Seminar ,Bergen, Norway ,2018 4 18.
3. Influence of formation water salinity on the low salinity EOR-effect in sandstone at high temperatur ,77th EAGE Conference & Exhibition ,Madrid, Spain ,2015 6 1.
4. Z. Aghaeifar et al. ,Adsorption/desorption of Ca²⁺ and Mg²⁺ to/from Kaolinite Clay in Relation to the Low Salinity EOR Effect ,18th European Symposium on Improved Oil Recovery ,Dresden, Germany ,2015 4 14.
5. Z. Aghaeifar , S. Strand , T. Puntervold , T. Austad ,Smart Water EOR in Sandstones: Wettability alteration controlled by desorption of divalent ions from Clays ,First annual IOR Conference by the National IOR Centre of Norway ,Stavanger/Norway ,2015 11 28.
6. Z. Aghaeifar ,Smart Water in Sandstone Reservoirs Preflooded with Seawater ,NFiP Annual One-day PhD seminar ,Stavanger ,2014 11 1.
7. Experimental Study of the Asphaltene Aggregates Size Due to CO₂ Gas Injection under Static

Conditions ,7th International Chemical Engineering Congress & Exhibition ,Kish ,2011 11 21.

8. S.A.R. Tabatabaei et al. ,Experimental Study on Asphaltene of an Iranian Refinery Samples Using Scanning Electron Microscopy and FTIR Methods ,19th International Congress of Chemical and Process Engineering, CHISA ,Prague ,2010 8 28.

9. S.A.R. Tabatabaei et al. ,Experimental Prediction of the Amount of Asphaltene of Bitumen and Hydrocarbon Systems of Samples of an Iranian Refinery ,1th International Bitumen Conference ,Tehran ,2008 10 19.

Papers in Journals

1. Zahra Aghaeifar و سایر ,Influence of Formation Water Salinity/Composition on the Low- Salinity Enhanced Oil Recovery Effect in High-Temperature Sandstone Reservoirs.Energy & Fuels,شماره صفحات, ۱۷۴۷۵۴.۲۰۱۳-۴۷۴۷.

2. Z. Aghaeifar , S. Strand , T. Austad , T. Puntervold,Significance of Capillary Forces during Low-Rate Waterflooding,Energy & Fuels,pp. 4747-4754,2019.

3. Smart Water injection strategies for optimized EOR in a high temperature offshore oil reservoir,Journal of Petroleum Science and Engineering,Vol. 165,pp. 743-751,2018 6 1.

4. T. Puntervold et al.,The role of kaolinite clay minerals in EOR by low salinity water injection,Energy & Fuels,pp. 7374-7382,2018.

5. Biological oxidation of hydrogen sulfide in mineral media using a biofilm airlift suspension reactor,Bioresource Technology,2010 11 1.