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College: Faculty of Petroleum and Natural Gas
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Papers in Conferences

1. H. Ojaghi, M. Simjoo, M. Shahin and M. Chahardowli ,Geothermal energy extraction using abandoned oil and gas wells: Techno-economic review ,12th International Chemical Engineering Congress & Exhibition ,2023, تهران.
2. R. khosravi, M. Simjoo and M. Chahardowl ,Application of Automatic History Matching in Upscaling Polymer Flood in Heterogeneous Reservoirs ,12th International Chemical Engineering Congress & Exhibition ,2023, تهران.
3. A. Hossein Molaei, M. Simjoo, M. Iravani and M. Chahardowli ,Experimental Insights into the EOR Potential of Graphene Oxide Nanofluid: A Micro-Scale Study ,12th International Chemical Engineering Congress & Exhibition ,2023, تهران.
4. M Rayhani, M Simjoo, M Chahardowli ,Effect of Brine Chemistry on Low Salinity Water: Interplay between Wettability Alteration and Emulsion Generation ,In 82nd EAGE Annual Conference & Exhibition ,2020.
5. B Shahmohammadi, M Simjoo, M Chahardowli ,A Mechanistic Study of the Effect of Water Salinity on Partitioning of Crude Oil Polar Components ,In 82nd EAGE Annual Conference & Exhibition ,2020.
6. B Shahmohammadi, M Simjoo, M Chahardowli ,Microscopic insights into the interaction of crude oil and low salinity water ,The 11th International Chemical Engineering Congress & Exhibition (IChEC 2020) ,2020.
7. A Mohammadi, M Chahardowli, M Simjoo ,Investigation of Dynamic Swelling and Interfacial Tension of Crude Oil/Brine in the Presence of Ether Solvent ,In 82nd EAGE Annual Conference & Exhibition ,2020.
8. A Mohammadi, M Simjoo, M Chahardowli, M. Mousapour ,Interfacial property of the oil- brine system in the presence of asphaltene: Effect of ionic strength and asphaltene concentration ,The 11th International Chemical Engineering Congress & Exhibition (IChEC 2020) ,2020, فومن.
9. Keykhosravi, A. and Simjoo, M ,Effete of Brine Composition on Silica Nanofluid Stability: An EOR Study in Oil-wet Carbonate Rock ,In IOR 2019–20th European Symposium on Improved Oil Recovery ,2019.
10. Pelark, G., Chahardowli, M. and Simjoo, M ,Modeling of Dimethyl Ether Enhanced Water Flooding in a Heavy Oil Sandstone Reservoir ,European Association of Geoscientists & Engineers ,2019.
11. Simjoo, M., Rezaei, M.A., Nadri, F., Mousapour, M.S., Iravani, M. and Chahardowli, M ,Introducing a New, Low-Cost Biosurfactant for EOR Applications: A Mechanistic Study ,20th European Symposium on Improved Oil Recovery (EAGE-IOR 2019)At: Pau, France ,2019.
12. Hosseini ,& Nasab, S.M. and Simjoo, M ,Experimental study and numerical modeling of the effect of foaming agent properties on foam flooding in porous media in absence of oleic phase ,80th EAGE

Conference and Exhibition, Copenhagen ,2018.

13. Hosseini ,& Nasab, S.M., Douarche, F., Nabzar, L., Simjoo, M., Bourbiaux, B. and Roggero, F ,Integrated Method for Numerical Simulation of Foam Flooding in Porous Media in the Absence and Presence of Oil ,n SPE EOR Conference at Oil and Gas West Asia. Society of Petroleum Engineers ,2018.
14. Mahmoudi, S and Simjoo, M ,Modeling of liquid unloading in vertical gas wells in the presence of foam. ,80th EAGE Conference and Exhibition, Copenhagen, Denmark ,2018.
15. Keykhosravi, A. and Simjoo, M ,Application of gamma-alumina nanoparticles to enhance spontaneous imbibition in low permeable, oil-wet carbonate rocks ,80th EAGE Conference and Exhibition, Copenhagen, Denmark ,2018.
16. M. Iravani and M. Simjoo ,Modeling of Low Salinity Polymer Flooding by Fractional Flow Theory ,First International Conference on Improved/Enhanced Oil and Gas Recovery, International Society for Porous Media (InterPore) ,2017.
17. M. S. Mousapour, H. Pashaie and M. Simjoo ,Wettability alteration induced by silica nanoparticle in carbonate rocks ,First International Conference on Improved/Enhanced Oil and Gas Recovery, International Society for Porous Media (InterPore) ,2017.
18. M. Simjoo and M. S. Mousapour ,EOR screening study in the Soroosh oil field, ,Oil and Gas Field Development Conference, Sharif University of Technology ,2017.
19. S.M. Hosseini ,& Nasab, P.L.J. Zitha, S.A. Mirhaj, M. Simjoo ,A New Chemical Enhanced Oil Recovery Method? ,SPE International Symposium on Oilfield Chemistry ,2015.
20. Simjoo, M., Zitha, P.L.J ,Immiscible Foam Flow for Enhancing Oil Recovery in Sandstone Porous Media ,The 8th International Chemical Engineering Congress & Exhibition, Kish, Iran ,2014.
21. R. Heins, M. Simjoo, P.L.J. Zitha, W.R. Rossen ,Oil Relative Permeability During Enhanced Oil Recovery by Foam Flooding ,SPE Annual Technical Conference and Exhibition ,2014.
22. Simjoo, M., Zitha, P.L.J ,Effects of Oil on Foam Generation and Propagation in Porous Media, ,Enhanced Oil Recovery Conference, Kuala Lumpur, Malaysia ,2013.
23. Simjoo, M., Zitha, P.L.J ,Effects of oil on foam generation and propagation in sandstone porous media ,17th European Symposium on Improved Oil Recovery, St Petersburg, Russia ,2013.
24. Simjo, M., Zitha, P.L.J ,Modeling of foam flow using stochastic bubble population model and experimental validation ,17th European Symposium on Improved Oil Recovery, St Petersburg, Russia ,2013.
25. Simjoo, M., Zitha, P.L.J ,Immiscible foam for enhancing oil recovery ,nternational conference on colloids and complex fluids: challenges and opportunities, Rueil- Malmaison, France ,2012.
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28. Simjoo, M., Dong, Y., Andrianov, A., Talanana, M., Zitha, P.L.J ,A CT scan study of immiscible foam flow in porous media for EOR ,PE 155633, SPE EOR Conference at Oil and Gas West Asia, Muscat, Oman ,2012.
29. Simjoo, M., Dong, Y., Andrianov, A., Talanana., M., and Zitha, P.L.J ,Novel insight into foam mobility control ,PE 15338, International Petroleum Technology Conference, Bangkok, Thailand ,2012.
30. Simjoo, M., Nguyen, Q.P., Zitha, P.L.J ,Rheological transition during foam flow in porous media ,SPE 149070, SPE/DGS Saudi Arabia Section Technical Symposium and Exhibition, Al-Khobar, Saudi Arabia ,2011.
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32. Simjoo, M., Dadvand Koochi, A., Vafaie Seftie, M., Zitha, P.L.J ,Water shut-off in a fractured system using a robust polymer gel ,PE 122280, 8th European Formation Damage Conference, Scheveningen,

The Netherland, 2009.

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40. M. Simjoo, F. Abbasi, M. Mofidfar, and K. Jalili, Bulk modification induced surface modification as a modification technique for silicone rubber, Proceedings of European Polymer Congress, Moscow, Russia, 2005.
41. M. Simjoo, F. Abbasi, M. Mofidfar, K. Jalili and Z. Alinejad, Bulk modification induced surface modification as a modification technique for silicone rubber, 4th International Seminar on Polymer Science and Technology (ISPST 2005), 2005.

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1. مرادی، چهاردولی، سیم جو و خردمند، مروری بر روش های تغییر ترشوندگی به گاز دوستی به منظور ذخیره سازی گاز. طبیعی، مهندسی شیمی ایران، ۱۴۰۲.
2. خیرالهی، زایدی، سبحانی، چهاردولی و سیم جو، غربالگری روش های ازدیاد برداشت از مخازن نفتی با استفاده از تلفیق روش های هوش مصنوعی، پژوهش نفت، ۱۴۰۲.
3. محمدی، چهاردولی و سیم جو، بررسی آزمایشگاهی تأثیر غلظت آسفالتین و یون های دوظرفیتی محلول در آب بر کشش بین سطحی سیستم هپتول/آب شور، پژوهش نفت، ۱۴۰۱.
4. صیادی، چهاردولی و سیم جو، مطالعه سازوکارهای مؤثر بر بازیافت نفت در فرآیند تزریق متناوب پلیمر و گاز کربن دی اکسید با استفاده از میکرو مدل، پژوهش نفت، ۱۴۰۰.
5. ماه پیشانیان، شاهرودی، سیم جو و مالیری، بررسی آزمایشگاهی تأثیر نانو ذره سیلیکا بر تغییر ترشوندگی و ازدیاد برداشت نفت از مخازن کربناته با استفاده از آب کم نمک، پژوهش نفت، ۱۳۹۹.
6. وزیر، سیم جو و چهاردولی، مدل سازی انتقال خرده های حفاری توسط فوم در شرایط یک چاه افقی با استفاده از دینامیک سیالات محاسباتی، مهندسی مکانیک امیر کبیر، ۱۳۹۸.
7. ایروانی و سیم جو، مدل سازی مدل سازی تزریق آب با شوری پایین همراه با پلیمر با استفاده از تئوری جریان های جزئی، مدل سازی در مهندسی، ۱۳۹۸.
8. نادری و سیم جو، مطالعه عددی تزریق آب با شوری پایین به منظور افزایش برداشت نفت در مخازن ماسه سنگی از طریق کوپل معادلات جریان سیال با واکنش های ژئوشیمیایی تبادل یونی و انحلال کلسیت، مدل سازی در مهندسی، ۱۳۹۸.
9. خاقانی و سیم جو، مدل سازی بررسی آزمایشگاهی عملکرد فوم در فرآزآوری مایعات تولیدی از چاه های گازی، اکتشاف و تولید، ۱۳۹۷.
10. کلاتری و سیم جو، مدل سازی اندر کنش بین آب با شوری پایین و ماسه سنگ از طریق کوپل کردن معادلات جریان

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11. پالارک، چهاردولی و سیم جو، مدلسازی عددی روش سیال زنی دی متیل اتر و امکان سنجی استفاده از این روش. برای ازدیاد برداشت در شرایط یک مخزن نفت سنگین، پژوهش نفت، ۱۳۸۹.
12. Moradi, P., Chahardowli, M. and Simjoo, M, Insights into underground gas storage in water-wet carbonate saline aquifers: The use of fluorinated surfactants to change the wettability, ELSEVIER, 2023.
13. Hashemizadeh, A., Bahonar, E., Chahardowli, M., Kheirollahi, H. and Simjoo, M, Analysis of rate of penetration prediction in drilling using data-driven models based on weight on hook measurement, Earth Science Informatics, 2022.
14. Soleimani, P., Chahardowli, M. and Simjoo, M, A semi-analytical workflow to study dimethyl ether improved water flooding; a fractional flow study, Petroleum Science and Technology, 2022.
15. Rayhani, M., Simjoo, M. and Chahardowli, M, Interplay between emulsion stability and wettability alteration: An application for water-based enhanced oil recovery methods, Journal of Molecular Liquids, 2022.
16. Kheirollahi, H., Chahardowli, M. and Simjoo, M, A new method of well clustering and association rule mining, Journal of Petroleum Science and Engineering, 2022.
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18. Keykhosravi, A., Bedrikovetsky, P. and Simjoo, M, Experimental insight into the silica nanoparticle transport in dolomite rocks: Spotlight on DLVO theory and permeability impairment., Journal of Petroleum Science and Engineering, 2022.
19. Rayhani, M., Simjoo, M. and Chahardowli, M, Effect of water chemistry on the stability of water-in-crude oil emulsion: Role of aqueous ions and underlying mechanisms, Journal of Petroleum Science and Engineering, 2022.
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