MKHITAR OVSEPIAN

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EDUCATION

Ph.D. in Petroleum Engineering , Skolkovo Institute of Science and Technology — Expected 2027

- Development and Exploitation of Oil and Gas Fields

M.Sc. (Hons) in Petroleum Engineering, Skolkovo Institute of Science and Technology — 2021 - 2023

B.Sc. in Petroleum Engineering, Gubkin Russian State University of Oil and Gas — 2017 - 2021

- Oil and Gas Field Development

EXPERIENCE

Research-Intern — Feb 2024 - Present
Skolkovo Institute of Science and Technology, CPSE — *Moscow, Russia*

- Development and investigation of nanoparticle-based in situ emulsions for EOR

Intern — Jun 2022 - Aug 2022
Novosibirsk R&D Center — *Novosibirsk, Russia*

- Developed Data-Driven Proxy-Model for Hydrocarbon Recovery Prediction using Python
- Prepared and published paper summarising obtained results

Intern Reservoir Engineer — Jun 2019 - Jul 2019
Gazprom Dobycha Krasnodar — *Krasnodar, Russia*

COURSES & CERTIFICATES

- Yandex Practicum: Data Science Specialist, 2023
- IELTS Academic: English (C1), July 2021

TECHNICAL COMPETENCIES

- Languages: Python, SQL
- Frameworks: pandas, numpy, scikit-learn, seaborn, openPNM, PoreSpy, OpenCV
- Software: CMG, tNavigator, Petrel, GeoDict, AutoCAD, Solidworks

PUBLICATIONS

- Li, K.; **Ovsepian, M.**; Xie, W.; Varfolomeev, M. A.; Luo, Q.; Yuan, C. Emulsions for Enhanced Oil Recovery: Progress and Prospect. J. Mol. Liq. 2024, 393, 123658. doi.org/10.1016/j.molliq.2023.123658.
- **Ovsepian, M.**; Lys, E.; Cheremisin, A.; Frolov, S.; Kurmangaliev, R.; Usov, E.; Ulyanov, V.; Tailakov, D. Testing the INSIM-FT Proxy Simulation Method. Energies 2023, 16, 1648. doi.org/10.3390/en16041648
- Kurmangaliev, R. Z.; Frolov, S. A.; Usov, E. V.; Ulyanov, V. N.; **Ovsepian, M. A.** ; Lys, E. V.; Cheremisin, A. N.; Tailakov, D. O.; Kayurov, N. K.; Simonov, M. V.; Perets, D. S. A Methodology for Constructing Inter-Well Numerical Models with Tracking of Fluid Propagation Front to Assess the Dependencies between the Operation of Production and Injection Wells. Autom. Informatiz. fuel energy complex 2023, No. 2, 37–50. https://doi.org/10.33285/2782-604x-2023-2(595)-37-50.