



Seyyed Shahab Tabatabaee Moradi

Assistant Professor of Drilling Engineering

EDUCATION

PhD in Drilling Engineering,
Saint-Petersburg Mining University, Russia
[2014-2018] GPA: 100%



MSc in Drilling Engineering,
Saint-Petersburg Mining University, Russia
[2012-2014] GPA: 100%



BSc in Petroleum Engineering,
Petroleum University of Technology (PUT), Iran
[2006-2010] GPA: 88.8%



RESEARCH INTEREST

- Petroleum Geomechanics
- Drilling and cement fluid
- Probabilistic studies in drilling engineering

CONTACT

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RESEARCH PROFILES

Google Scholar: [seyyed shahab tabatabaee moradi - Google Scholar](#)

ORCID: [Tabatabaee Moradi S.Sh. \(0000-0002-1484-6926\) - ORCID](#)

Scopus: [Tabatabaee Moradi, S. Sh - Author details - Scopus Preview](#)

WORK EXPERIENCE

Sahand University of Technology, Iran [Assistant Professor]
2018–present

RESEARCH PROJECTS

General studies to enhance production from Soroosh Oil field
Role: Project management
2018–present

General studies to enhance production from Masjed e Suleiman Oil field
Role: Principal investigator
2021–present

Development of a method for mud weight selection based on rock mechanics criteria
Role: Principal investigator
2022

Chemical enhancement of drilling rate in hard rock samples
Role: Principal investigator
2022

SKILLS

Drilling software	60%
Computer general skills	100%
Russian Language	100%
English language	100%

PUBLICATIONS

Jalakani R., **Tabatabaee Moradi S.Sh.**, 2023, Selection of drilling fluid weight based on rock mechanics criteria: a case study in one of the south-west Iranian field, *Journal of Petroleum Geomechanics*, Article in press.

Tabatabaee Moradi S. Sh., 2022. Development of a water-based drilling fluid for chemical enhancement of drilling rate in a dolomite rock sample, *Journal of Petroleum Science and Engineering*, 216, 110768. DOI: <https://doi.org/10.1016/j.petrol.2022.110768>

Choupani, M.A., **Tabatabaee Moradi, S.Sh.**, Tabatabaei Nejad, S.A., 2022. Study on Attapulgitite as Drilling Fluid Clay Additive in Persian Gulf Seawater, *IJE Transactions C: Aspects*, 35(3), 587-595.

Nikolaev N.I., **Tabatabaee Moradi S. Sh.**, 2021. Study of Bonding Strength at Salt-cement Interface During Cementation of Salt Layers, *IJE TRANSACTIONS B: Applications*, 34 (2), 581-586.

Tabatabaee Moradi, S.Sh., Nikolaev, N.I., 2020. Uncertainty assessment of wellbore stability analysis in horizontal sections. *SN Appl. Sci.* 2, 437.

Tabatabaee Moradi, S.Sh., Nikolaev, N.I., Nikolaevna, T.N., 2020. Development of spacer fluids and cement slurries compositions for lining of wells at high temperatures, *Journal of Mining Institute*, 242, 174-178.

Leusheva, E., Morenov, V. and **Tabatabaee Moradi, S.Sh.**, 2020. Effect of Carbonate Additives on Dynamic Filtration Index of Drilling Mud, *IJE TRANSACTIONS B: Applications*, 35 (2), 934-939.

Tabatabaee Moradi S. Sh., Nikolaev N.I., Chudinova I.V., Martel A.S., 2018. Geomechanical study of well stability in high-pressure, high-temperature conditions, *Geomechanics and Engineering*, 16 (3), 331-339.

Tabatabaee Moradi S. Sh., Nikolaev N.I., 2018. Assessment of the cement failure probability using statistical characterization of the strength data, *Journal of Petroleum Science and Engineering*, 164, 182-188.

Tabatabaee Moradi S. Sh., Nikolaev N.I., Leusheva E.L. 2018. Improvement of Cement Properties Using a Single Multi-functional Polymer, *International Journal of Engineering, Transactions A: Basics*, 31 (1), 181-187.

Tabatabaee Moradi S. Sh., Nikolaev N.I., 2017. Free fluid control of oil well cements using factorial design, *Journal of Engineering Research*, 5 (1), 186-197.

Tabatabaee Moradi S. Sh., Nikolaev N.I., 2017. Sedimentation stability of oil well cements in directional wells, *International Journal of Engineering, Transactions A: Basics*, 30 (7), 1105-1109.

Tabatabaee Moradi S. Sh., Nikolaev N.I., Hernandez Requena J.R., 2017. Cementing material for directional wells construction in conditions of high-pressure and temperatures, *Construction of Oil and Gas Wells on-Land and off-Shore*, 1, 39-43 [in Russian].

Tabatabaee Moradi S. Sh., Nikolaev N.I., Hernandez Requena J.R., 2017. Results of studies of physico-mechanical properties of cement compositions for cementing wells in difficult mining and geological conditions, *journal of petroleum engineer (Инженер-нефтяник)*, 4, 32-35 [in Russian].

Nikolaev N.I., Usmanov R.A., **Tabatabaee Moradi S.Sh.**, Hernandez Requena J.R., 2017. Development of slurries and study of properties of cement mixtures to increase the quality of well completion, *Perm Journal of Petroleum and Mining Engineering*, 16 (4), 321-330 [in Russian].

Tabatabaee Moradi S. Sh., Nikolaev N.I., 2016. Considerations of well cementing materials in high-pressure, high-temperature conditions, *International Journal of Engineering, Transactions C: Aspects*, 29 (9), 1214-1218.

Tabatabaee Moradi S. Sh., Nikolaev N.I., 2016. Optimization of cement spacer rheology model using genetic algorithm, *International Journal of Engineering, Transactions A: Basics*, 29 (1), 127-131.

Tabatabaee Moradi S. Sh., Nikolaev N.I., 2016. Developing sedimentary-stable weighted cement systems for casing of directional wells, *Construction of Oil and Gas Wells on-Land and off-Shore*, 2, 39-41 [in Russian].

Tabatabaee Moradi S. Sh., Nikolaev N.I., 2015. Performance of polymer based spacers for cementing operations in high-pressure, high-temperature conditions, *International Journal of Material Science*

Innovations, 3 (2), 32-36.

Lu Khaoya, **Tabatabaee Moradi S. Sh.**, Nikolaev N. I., 2015. Investigating the effect of mud cake on the bonding quality of cement with the formation rock, journal of petroleum engineer (Инженер-нефтяник), 2, 22-24 [in Russian].

Tabatabaee Moradi S. Sh., Nikolaev N. I., 2014. Mud removal efficiency of weighted cement spacer system, International journal of petroleum and geoscience engineering (IJPGE), 2 (3), 208-215.

Khormali A., **Tabatabaee Moradi S. Sh.** and Petrakov D., 2014. Study of Explicit Finite Difference Method in One Dimensional System, International Journal of Physical, Natural Science and Engineering, 8 (2), 399-403.

Tabatabaee Moradi S. Sh., Nikolaev N. I., 2014. Investigating mud removal of weighted cement spacers, journal of petroleum engineer (Инженер-нефтяник), 3, 33-35 [in Russian].

Tabatabaee Moradi S. Sh., 2013. Statistical comparison of the natural gas industry in Iran and Russia at the end of 2012, Scientific-Propagative Journal of Oil and Gas EXPLORATION AND PRODUCTION, 104, 22-26 [in Persian].

Conference Proceedings

Nasirzadeh, M., **Tabatabaee Moradi S. Sh.**, 2021. Pore pressure prediction using mechanical drilling data. The first national conference on advanced technologies in the oil, gas, refining and petrochemical studies, Quchan, Iran.

Abdollah pour. P., **Tabatabaee Moradi S. Sh.**, 2021. A numerical investigation on one of the lost circulation preventive methods based on wellbore strengthening technique. The first national conference on advanced technologies in the oil, gas, refining and petrochemical studies, Quchan, Iran.

Barkhordar, M., **Tabatabaee Moradi S. Sh.**, 2021. A review on well integrity in formation-cement-casing system, Topical Issues of Rational Use of Natural Resources, Saint-Petersburg, Russia.

Jalkani, R., **Tabatabaee Moradi S. Sh.**, 2021. A Review on the effect of mud weight on rate of penetration and wellbore stability, Topical Issues of Rational Use of Natural Resources, Saint-Petersburg, Russia.

Mazloom, M., **Tabatabaee Moradi S. Sh.**, 2021. A review on effect of mud cake properties in well construction process, Topical Issues of Rational Use of Natural Resources, Saint-Petersburg, Russia.

Khosravanian, N., **Tabatabaee Moradi S. Sh.**, 2021. A review on well control operations during managed pressure drilling, Topical Issues of Rational Use of Natural Resources, Saint-Petersburg, Russia.

Abdollah pour. P., **Tabatabaee Moradi S. Sh.**, 2020. A review on stress cage technology, Topical Issues of Rational Use of Natural Resources, Saint-Petersburg, Russia.

Tabatabaee Moradi S. Sh., Nikolaev N.I., Lykov, Y.V., Petrov, A.A., 2019. Mud cake removal efficiency of spacer fluids, Topical Issues of Rational Use of Natural Resources, Saint-Petersburg, Russia.

Tabatabaee Moradi S. Sh., Nikolaev N.I., Khormali A., 2018. A Comprehensive Uncertainty Assessment of Wellbore Stability Models, EAGE Saint Petersburg 2018; Innovations in Geosciences – Time for Breakthrough, Saint-Petersburg, Russia, 9-12 April.

Tabatabaee Moradi S. Sh., Nikolaev N.I., Chudinova I.V., 2017. Geomechanical Analysis of Wellbore Stability in High-Pressure, High-Temperature Formations, 79th EAGE Conference & Exhibition, Paris, France, 12-15 June.

Tabatabaee Moradi S. Sh., Nikolaev N.I., 2017. Role of spacer fluids to increase the quality of casing pipes cementing, international scientific and practical conference «Well drilling in complicated conditions», Saint-Petersburg, Russia, 30 October – 1 November.

Tabatabaee Moradi S. Sh., Ghasemi M.F., Nikolaev N.I., Lykov U.V., 2016. Effect of fault stress regime on the mechanical stability of horizontal boreholes, 4th EAGE International conference GeoBaikal 2016: From East Siberia to the Pacific — Geology, Exploration and Development, Irkutsk, Russia, 22-26 August.

Tabatabaee Moradi S. Sh., Nikolaev N.I., 2016. Considerations of cementing directional wells in high-pressure, high-temperature conditions, EAGE International Conference & Exhibition: «Understanding the Harmony of the Earth's Resources through Integration of Geosciences», Saint-Petersburg, Russia, 11-14 April.

Tabatabaee Moradi S. Sh., Nikolaev N.I., 2015. Spacer fluids based on the surfactant solutions and their mud removal ability, 8th Scientific Conference of Iranian Students in Russian Federation, Saint-petersburg, Russia, 25-26 April.

Tabatabaee Moradi S. Sh., Nikolaev N.I., 2015. Developing high resistant cement systems for high-pressure, high-temperature applications, SPE Russian Petroleum Technology Conference, Moscow, Russia, 26-28 October.

Tabatabaee Moradi S. Sh., Nikolaev N.I., 2015. Strength properties of cement systems for application in high-pressure, high-temperature conditions, International scientific conference «Oil and Gas», Moscow, Russia, 14 - 16 April [in Russian].

Tabatabaee Moradi S. Sh., 2015. Cement materials for casing of directional wells, International scientific and practical conference «New Ideas in Earth Sciences», Moscow, Russia, 8-10 April [in Russian].

Tabatabaee Moradi S. Sh., Nikolaev N.I., 2015. Sedimentation stability of weighted cement systems for casing of directional wells, conference «Actual scientific and technical problems», Ufa, Russia [in Russian].

Tabatabaee Moradi S. Sh., Nikolaev N. I., 2014. Optimization of Cement Spacer System for Zonal Isolation in High-Pressure High-Temperature Wells, SPE Russian oil & gas exploration & production technical conference and exhibition, Moscow, Russia, 14-16 October.

Tabatabaee Moradi S. Sh., Nikolaev N. I., 2014. Cement spacer system with adjustable rheological properties in HPHT condition, The 11th Russian conference and competition of senior students, Saint-Petersburg, Russia, 2-4 April [in Russian].

Tabatabaee Moradi S. Sh., 2014. Probabilistic study of acidization process in one of the Iranian oil fields, using Markov chains, International Conference & Exhibition on Reservoir Surveillance and Management, Beijing, China, 11-12 August.

Tabatabaee Moradi S. Sh., Nikolaev N. I., 2014. Analyzing the mud removal capability of cement spacers during casing cementing operations, International conference of technical scientific solution of problems in the oil and gas complex, Ufa, Russia, 23-29 November [in Russian]
