

## LISTA DE LUCRĂRI

A. Lucrări publicate în reviste indexate în baze de date internaționale:

1. **Mohamed Halafawi**, Lazăr Avram, Ayham Mhanna, El Dilbani Ali, "Integrated risk assessment improves Colibasi field drilling performance", Oil and Gas Journal, USA, 118(9), 50-55, sep. 9, 2020.
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3. **Mohamed Halafawi**, Hussien El Gabouri, Lazăr Avram, "Offset-well data improve Zubair wellbore stability", Oil and Gas Journal, USA, 118(1), Jan. 6, 2020.
4. **Halafawi DIM**, Avram DIL. Wellbore instability prediction and performance analysis using Poroelastic modeling. J Oil Gas Petrochem Sci.(2019);2(2):93-106. DOI: 10.30881/jogps.00028
5. **Mohamed Halafawi**, Stan Marius, Lazăr Avram, "Prediction Modeling for Platforms' Network Vessels Performance," Petroleum and Coal Journal (2019); 61(5): 983-997, ISSN 1337-7027.
6. **Mohamed Halafawi**, Lazăr Avram, "Borehole Insitu Stress Stability Analysis of RBS-9 Field Utilizing the Inversion Technique," Journal of Engineering Sciences and Innovation, Petroleum and Mining Engineering Section (F), 4(1), 2019.
7. **Mohamed Halafawi**, Lazăr Avram, "Wellbore Trajectory Optimization For Horizontal Wells: The Plan Versus The Reality," Journal Oil Gas Petrochem Science, ISSN: 2630-8541, 2019;2(1):49-54. DOI: 10.30881/jogps.00024
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11. Sameer Younus, Hussein El Gburi, **Mohamed Halafawi**, Lazar Avram, "A comparative Approach to Differentiate Between the Amount of Rock Cuttings Generated in ERD and Conventional Drilling," Petroleum and Coal 62(4):1346-1355, October 2020.
12. **Mohamed Halafawi**, Alin Diniță, Lazar Avram, "Numerical Wellbore Stability for Vertical and Deviated Wells Using Finite Element Method," Romanian Journal of Petroleum and Gas Technology, Issue 1, 2021.
13. **Mohamed Halafawi**, Lazăr Avram, "Elastic-Plastic Solutions for Analyzing Wellbore Stability, Romanian Journal of Petroleum and Gas Technology, Issue 1, 2021.
14. **Mohamed Halafawi**, Lazăr Avram, "Analytical Solutions for Wellbore Stability using Linear and Non-Linear Elastic Rock Behavior," Petroleum and Coal Journal, 2021.
15. **Mohamed Halafawi**, Osama Sharafaddin, Abdulhussein Fadhil, Lazăr Avram, "Casing Pipe Integrity Analysis and Evaluation Using Multi Finger Imaging Tool (MIT)-Case Studies," Petroleum and Coal journal, 2020.

16. Horatiu Raul Olar, **Mohamed Halafawi** , Lazar Avram: Investigating dynamic analysis of well performance producing using production logging tool, *Petroleum and Coal Journal*, 2020
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23. **Mohamed Halafawi**, Mirna Charif, Lazăr Avram.: "Hazards Identification and Quality Control for LNG Plant", *Petroleum and Coal Journal*, 62(2):453-476, May 2020. ISSN 1337-7027.
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28. **Mohamed Halafawi**, Lazăr Avram.: "Wellbore, BHA, Motor / Rotary Steerable, and Bits Statistical Performance Analyses for Drilling Horizontal Wells," *The International Scientific Conference dedicated to oil and gas researches entitled "The Exploration and Exploitation oil and gas reservoir: present and perspectives"* published by *Petroleum-Gas University of Ploiesti Bulletin, Technical Series*, 71 (2), 47-54, 2019.
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challenges of the 21st century", Proceedings of the 13th Edition of the Annual Conference ZASTR 2018, UPG Ploiesti, Romania , ISSN 2066-6586, AGIR Publishing House, 18-19 October, 2018.

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33. **Mohamed Halafawi**,:” Predicting the Combination Drive Reservoirs Performance,” NOOR Publishing House, German, ISBN-13: 978-3-330-96727-4, ISBN-10: 3330967277, 16 May, 2017
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B. Listă cu referate susținute: referate elaborate în cadrul tezei de doctorat **"CONTRIBUȚII PRIVIND STUDIUL STABILITĂȚII GĂURILOR DE SONDĂ ȘI AL COMPORTAMENTULUI ELASTO-PLASTIC AL ROCILOR IN DOMENIUL OFFSHORE"**

1. Stadiul actual al evaluării riscurilor și integrității de sonde de foraj, Referat I, Feb. 2020
2. Cercetarea teoretică și simularea analitică și numerică a stabilității și optimizării de sonde de foraj, Referat II, Iunie 2020
3. Studiul și dezvoltarea modelelor cu noi soluții analitice pentru unități offshore, Referat III, Iunie 2020.

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