

DOCTORAND. ING. AYHAM MHANNA

LISTA DE LUCRĂRI

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

1. **Ayham Mhanna**, Mohamed Halafawi, Ali El Dilbani, Mihai Albulescu, Lazar Avram, " The impact of offshore environment on drillship positioning and operations during drilling the first exploratory well in Lebanon", Petroleum and Petrochemical Engineering Journal, USA. DOI: 10.23880/ppej-16000276.
2. **Ayham Mhanna**, Mohamed Halafawi, Radu Ivan, Lazar Avram, " A New Model for Predicting Drilling Parameters Using Data Mining And K-NN Algorithm: Case Study of The First Exploratory and Offshore Well in Lebanon ", EMERG, Volume VII, Issue 4/2021, ISSN 2668-7003, ISSN-L 2457-5011.
3. **Ayham Mhanna**, Mohamed Halafawi, Mirna Charif, Ali El Dilbani, Shahed Habib, Mihai Albulescu, Dinu Florinel, Lazăr Avram, " Environmental impacts and risk assessment for offshore field in Lebanon: The first exploratory well case study ", Petroleum and Coal Journal. ISSN 1337-7027, accepted
4. **Ayham Mhanna** ,Mohamed Halafawi, Lazăr Avram, , El Dilbani Ali, "Integrated risk assessment improves Colibasi field drilling performance", Oil and Gas Journal, USA, 118(9),50-55, Sep. 9, 2020.
5. **Ayham Mhanna**, Mohamed Halafawi, Lazar Avram, "The Impact of Marine Environment on JackupRig Stability," Petroleum and Petrochemical Engineering Journal, USA, 4(5), 1-16, 2020. DOI:10.23880/ppej-16000238.
6. **Ayham Mhanna**, Mohamed Halafawi, Lazăr Avram, 'Tackling Wellbore Difficulties for Drilling Deviated and Horizontal Wells,' Journal of Engineering Sciences and Innovation, Petroleum and Mining Engineering Section (F), 6(1), 2021.
7. **Ayham Mhanna**, Mohamed Halafawi, Mirna Charif, Lazăr Avram, "Troubleshooting Identification and Upset Conditions Effect of LNG Plant", Petroleum and Coal Journal, 62(1): 220-232, 2020.ISSN 1337-7027.
8. **Ayham Mhanna**, Mohamed Halafawi, Mirna Charif, Lazăr Avram: "Troubleshooting Identification and Upset Conditions Effect of LNG Plant", Recent Advances Petrochemical Science, USA, 2018;6(5): 555697. DOI: 10.19080/RAPSCI.2019.06.555697
9. **Ayham Mhanna Mohamed Halafawi**, Ayham Mhanna, Flornil Dinu, Lazăr Avram, " Compositional Simulation for Gas Condensate Wells: Țintea – ASTRA Field Study," Revista de Chimie,71 (3), 466-479, 2020. doi.org/10.37358/Rev. Chim.1949.

B. Lucrări publicate în Întâlnirea și conferința națională de cercetare:

1. **Ayham Mhanna**, Mohamed Halafawi, Lazar Avram" Thermal Simulation Analysis for Drilling and Production Operations of The First Offshore Well in Lebanon ", FOREN 16th Edition, 12-15 June 2022, WEC CENTRAL AND EASTERN EUROPE REGIONAL ENEREGY FORUM, Organized by the Romanian National Committee of the World Energy Council.
2. **Ayham Mhanna**, Mohamed Halafawi, Radu Ivan, Lazar Avram " A New Model for Predicting Drilling Parameters Using Data Mining And K-NN Algorithm: Case Study of The

First Exploratory and Offshore Well in Lebanon ,, SIREN 6-8 SEPT 2021, SI MPOZIONUL ROMAN AL ENERGIE, organizat de către consiliul mondial al energiei - comitetul național Român.

3. **Ayham Mhanna**, Mohamed Halafawi, Fadhil Abdul Hussein, Lazar Avram " Water Column Characterization and Physiochemical Analyses for Marine Environment of The Preliminary Drilling Activities Location in Lebanon "FOREN 16th Edition, 12-15 June 2022, WEC CENTRAL AND EASTERN EUROPE REGIONAL ENEREGY FORUM, Organized by the Romanian National Committee of the World Energy Council.

- C. Listă cu referate susținute: referate elaborate în cadrul tezei de doctorat "**ÎMBUNĂTĂȚIREA OPERAȚIUNILOR DE FORAJ ȘI PUNERE ÎN PRODUCȚIE LA TRAVERSAREA FORMAȚIUNILOR PRODUCTIVE DIN ZONA MARITIMĂ LIBANEZĂ**".

1. Abordarea Dificultăților De Foraj Pentru Sondele Deviate Și Orizontale.
2. Optimizarea Operațiilor Și Dificultăților De Foraj În Zona Libaneză Offshore.
3. Dezvoltarea Unor Modele Pentru Optimizarea Productiei Din Sondele Onshore Si Offshore.

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