



**University of Technology- Oil and Gas
Engineering Department**



**Published General Research for the Teaching
Staff for the Years 2022-2023**

| Date of Publication | Publication type | Instructor's name | Search Name | No |
|----------------------------|-------------------------|--|--|-----------|
| 10/1/2022 | Local | Hiba Tarq Jaleel | Density Estimation from Compressional Velocity Using New Gardner Factors for Two Carbonate Formations, Amara Oil Field. | 1 |
| 8/8/2022 | Local | Ali Khaleel Faraj | Estimation of Internal Friction Angle for The Third Section in Zubair | 2 |
| 10/8/2022 | Local | Fadhil Kadhim and Emad Al-Khdheawi | Detection of perforation intervals in oil well completion based on geological, drilling and well logging data | 3 |
| 2023/1/2 | Local | Ali Khaleel Faraj | Vertical Stress Prediction for Zubair Oil Field/ Case Study | 4 |
| 2023/15/3 | Local | Jassim Mohammed | Intelligent Approach for Investigating Reservoir Heterogeneity Effect on Sonic Shear Wave | 5 |
| 2023/30/3 | Local | Mohammed A. Ahmed | Asphaltene Precipitation Investigation Using a Screening Techniques for Crude Oil Sample from the Nahr-Umr Formation/Halfaya Oil Field | 6 |
| 2023/30/3 | Local | Ali Khaleel Faraj | Application of Finite Element Technique: A Review Study | 7 |
| 2023/1/4 | Local | Jihad Al-Joumaa | Looking at the Big picture: Reclassifying water disposal wells into injectors to safeguard field reserves and future potential | 8 |
| 2023/8/4 | Local | Ali Khaleel Faraj and Ameen Kareem .Salih, | Variation of Total Stresses During Field Operation Using Finite Element Technique, Zubair Oil Field | 9 |

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| 2023/8/4 | Local | Doaa Saleh Mahdi | Rock Mechanical Properties: A Review of Experimental Tests and Prediction Approaches | 10 |
| 2013/4/8 | Local | Alyaa M. Ali | Applying Facies Characterization to Build 3D Rock-Type Model for Khasib Formation, Amara Oil Field | 11 |
| 2023/15/6 | Local | Jassim Mohammed | Prediction of Sanding Likelihood Intervals Using Different Approaches | 12 |
| 2023/30/6 | Local | Alyaa M. Ali | Determination of Reservoir Hydraulic Flow Units and Permeability Estimation Using Flow Zone Indicator Method | 13 |
| 2023/15/6 | Local | Ali Khaleel Faraj | Estimation of Static Young Modulus for the Third section in Zubair Oil Field | 14 |
| 2023/8/10 | Local | Rana Abbas Azeez, Muayad M. Hasan, | A Review Study of Immobilized Microbial-Nanoparticles: Techniques and Biotechnology Applications | 15 |
| 2023/8/8 | Local | Ali Khaleel Faraj and Ameen Kareem Salih,. | Penetration Rate Prediction Utilizing Machine Learning Technique for Rumaila Oilfield, Southern of Iraq. | 16 |
| 2023/30/12 | Local | Jassim Mohammed | Comparison of Estimation Sonic Shear Wave Time Using Empirical Correlations and Artificial Neural Network | 17 |