



**University of Mosul**  
**College of Petroleum and Mining Engineering**  
**Department of Reservoir Engineering**

**Graduation Projects for the Academic Year 2024-2025**

|    | Project name   | Names of the students   | Names of the supervisors                                |
|----|--|---|---|
| 1  | Normal gasoline specifications improvement by adding high-octane gasoline  | Furkan Nabil Obeid<br>Heyam Mohammed Daham<br>Maryam Hakim Luqman<br>Marwa Saad Mahmoud<br>Noor Amer Noah         | Dr. Ayad Mohammed Ahmed                                 |
| 2  | Applications of nanoparticles in enhanced oil recovery for Iraqi Reservoirs  | Ahmed Mohammed Abdullah<br>Amer Mohammed Ahmed<br>Farhan Ahmed Abdul  | Dr. Yasser Hassan Qado                                  |
| 3  | Study the effect of polymeric material on the surface of concrete oil tanks  | Abdullah Saad Saleh<br>Walid Khalid Aziz<br>Mostafa Ahmed Ali<br>Al-Hassan Louay Shukr<br>Mohammed Ahmed Abdullah | A.L. Raghad Sobhi Fathy<br>A.L. Sara Saad Abdul Jabbar  |
| 4  | Investigation of drilling problems in Iraq oil fields (comparative study)  | Omar Mohsen Abd<br>Mohammed Amteer<br>Muhannad Thamer Younis<br>Osama Zaid Ahmed<br>Mustafa Muhannad Abdullah     | Dr. Bushra Abdullah Mohammed<br>A.L. Amira Rifai Hanawi |
| 5  | Study the effect of using the metakaolin with the cement in oil wells.   | Hani Mohamed Qassem<br>Alaa Mohamed Amin<br>Ali Kazem Hussein<br>Hudhayfah Hamid Mustafa                          | A. I. Surry Mohammed Ali                                |
| 6  | Evaluation of the petrophysical properties of the Ain Zalah oil field using the IP software  | Atheer Salem Mohammed<br>Anwar Saud Mayouf<br>Ameen Mufaq Hazaa   | Dr. Ammar Ramadan Ali<br>A.L. Zaidon Mohannad           |
| 7  | Lithology Recognition and Matching for Hartha Formation in four wells depending on well logs information, Qayyarah oilfield, Northern Iraq | Rania Abdullah Mohammed<br>Dima Azzam Saadi<br>Heba Fares Younes<br>Maryam Nabil Znon                             | Dr. Ayman Mahmoud Ahmed<br>Dr. Mahmoud Salman Ahmed     |
| 8  | Petrophysical properties determination of Hartha Formation in well- / Buzrgan oilfield, Southern Iraq                                      | Zahra Hashem Abdullah<br>Aisha Hisham Abdul Karim<br>Anfal Hussein Ali<br>Amna Ismail Muhammad                    | Dr. Ayman Mahmoud Ahmed<br>Dr. Mahmoud Salman Ahmed     |
| 9  | Drilling strategies to control lost circulation in Basra oil fields (Iraq)   | Mohammed Abdul Sattar Saleh<br>Arkan Saddam Ismail<br>Walid Ma'an Walid<br>Khalil Muhammad Hassan                 | Dr. Bushra Abdullah Mohammed<br>A.L. Amira Rifai Hanawi |
| 10 | The importance and impact of carbon dioxide injection in enhancing oil recovery  | Dhiya Al-Din<br>Hussein Mahdi<br>Sufyan Fathallah Ibrahim<br>Abdul Samad Faisal Abdul                             | Dr. Mohammed Aswad Jassim                               |



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|----|--|--|--|
|    |  | Hamid<br>Adrian Aziz Khadr                                     |  |
| 11 | Wellbore instability problem during drilling | Ahmad Qais Abed<br>Raghad Hisham Yahya<br>Zahraa Ayman Bassell | Dr. Mohammed Ali Alrashedi<br>Dr. Saad Walid Saadi |