

LISTĂ de LUCRĂRI

Drd.ing. Mihaela HELSTERN

1. **Mihaela Helstern**, Doru Bârsan, Tiberiu Sandu, Timur Chiş - Ph.D.School, Oil-Gas University, Ploieşti, ROMANIA and Ovidius University, Applied Science and Engineering Faculty, Constanta, ROMANIA - *NUMERICAL MODELING OF CALCIUM HYDROXIDE SULPHATION* - EMERGEMAT 5th International Conference - Emerging Technologies in Materials Engineering 27-28 October 2022 - Bucharest, Romania, ISSN 2602-0424 ISSN-L 2602-0416,
2. Tiberiu Sandu, **Mihaela Helstern**, Doru Bârsan, Timur Chiş - Ph.D.School, Oil-Gas University, Ploieşti, ROMANIA and Ovidius University, Applied Science and Engineering Faculty, Constanta, ROMANIA - *NUMERICAL MODELING OF CO2 ADSORPTION IN AQUEOUS-ALKANOLAMINE SOLUTIONS* - EMERGEMAT 5th International Conference - Emerging Technologies in Materials Engineering 27-28 October 2022 - Bucharest, Romania, ISSN 2602-0424 ISSN-L 2602-0416
3. Doru Bârsan, **Mihaela Helstern**, Tiberiu Sandu, Timur Chiş - Ph.D.School, Oil-Gas University, Ploieşti, ROMANIA and Ovidius University, Applied Science and Engineering Faculty, Constanta, ROMANIA - *USE OF COMPOSITE MATERIALS TO REDUCE THE WATER CONTENT OF EXTRACTED NATURAL GAS* - EMERGEMAT 5th International Conference - Emerging Technologies in Materials Engineering 27-28 October 2022 - Bucharest, Romania, ISSN 2602-0424 ISSN-L 2602-0416,
4. Doru Bârsan, Tiberiu Sandu, **Mihaela Helstern**, Timur Chiş Ph.D.School Ovidius University, Applied Science and Engineering Faculty, Constanta, ROMANIA and Oil-Gas University, Ploieşti, ROMANIA - *MATHEMATICAL MODELING BY WATER RECOVERY TO NATURAL GAS EXTRACTIONS, BASED TO ARTIFICIAL NEURAL NETWORKS* - International Chemical Engineering and Material Symposium, SICHEM 2022, 17-18 November 2022, ISSN 2537-2254 .
5. **Mihaela Helstern**, Tiberiu Sandu, Doru Bârsan, Timur Chiş Ph.D.School Ovidius University, Applied Science and Engineering Faculty, Constanta, ROMANIA and Oil-Gas University, Ploieşti, ROMANIA - *APPLICATION OF NANOPARTICLES IN OIL RECOVERY* - International Chemical Engineering and Material Symposium, SICHEM 2022, 17-18 November 2022, ISSN 2537-2254
6. Tiberiu Sandu, **Mihaela Helstern**, Doru Bârsan, Timur Chiş Ph.D.School Ovidius University, Applied Science and Engineering Faculty, Constanta, ROMANIA and Oil-Gas University, Ploieşti, ROMANIA - *USE OF ARTIFICIAL NEURAL NETWORKS TO OIL RECOVERY BY CO2 INJECTION* - International Chemical Engineering and Material Symposium, SICHEM 2022, 17-18 November 2022, ISSN 2537-2254

7. **Mihaela Helstern**, Doru Bârsan, Tiberiu Sandu, Timur Chiş Ph.D.School, Oil-Gas University, Ploieşti, ROMANIA and Ovidius University, Applied Science and Engineering Faculty, Constanta, ROMANIA - *EFFECT OF POLYMER ADDITIVES ON THE DISTILLATION OF PARAFFINIC CRUDE OILS* - 22nd Romanian International Conference on Chemistry and Chemical Engineering 7-9 September 2022, Sinaia, Romania.
8. Doru Bârsan, **Mihaela Helstern**, Tiberiu Sandu, Timur Chiş Ph.D.School, Oil-Gas University, Ploieşti, ROMANIA and Ovidius University, Applied Science and Engineering Faculty, Constanta, ROMANIA - *DRYING OF GASES IN DROPLET SEPARATORS* - 22nd Romanian International Conference on Chemistry and Chemical Engineering Mihaela Helstern 7-9 September 2022, Sinaia, Romania.
9. Tiberiu Sandu, **Mihaela Helstern**, Doru Bârsan, Timur Chiş Ph.D.School, Oil-Gas University, Ploieşti, ROMANIA and Ovidius University, Applied Science and Engineering Faculty, Constanta, ROMANIA - *DETERMINATION OF THE MINIMUM MISCIBILITY PRESSURE (M.M.P.) OF SOME CRUDE OILS FROM ROMANIA* - 22nd Romanian International Conference on Chemistry and Chemical Engineering 7-9 September 2022, Sinaia, Romania.
10. **Helstern M.**, Bârsan D., Sandu T. *EFFICIENCY OF POLYMER TREATMENT OF DEPOSITS TO INCREASE THE ULTIMATE RECOVERY FACTOR*, 75 Years of Energy and Performance in Education and Research 2023 Renewable Versus Fossil Fuels. Global Energy Perspectives, Ploiesti 9.11.2023, Book of abstracts, Editura Universităţii Petrol-Gaze din Ploieşti, 2023, ISBN 978-973-719-887-7.
11. **Mihaela Helstern**, Timur Chiş, laurentiu Prodea, 1Ph.D. School, Oil and Gas University, Ploieşti, Romania, Oil and Gas Engineering Department, Oil and Gas University, Ploieşti, Romania, Mechanical Engineering Department, Lucian Blaga University, Sibiu, Romania - *THE EFFECT OF POLYMERS TO OIL STORAGE ROCKS* - International Chemical Engineering and Material Symposium, SICHEM 2020, 11-12 April 2024, ISSN 2537-2254, 121-122.
12. **Mihaela Helstern**, Timur Chiş, *MODELLING POLYMER MOVEMENT IN RESERVOIR ROCKS*, INTERNATIONAL CONFERENCE CHIMIA 2024, "NEW TRENDS IN APPLIED CHEMISTRY", Section D: Petroleum Technology and Management May 30 – June 1, 2024, Constanta, ROMANIA OVIDIUS UNIVERSITY PRESS, CONSTANŢA 2024 , ISSN 2360-394
13. **Mihaela Helstern**, Laura Andrea Sifiriac, Maria Stoicescu, *REZERVOIR OPTIMISATION OF OIL PRODUCTION BY IPR CURVES*, INTERNATIONAL CONFERENCE CHIMIA 2024, "NEW TRENDS IN APPLIED CHEMISTRY", Section D: Petroleum Technology and Management, May 30 – June 1, 2024, Constanta, ROMANIA. OVIDIUS UNIVERSITY PRESS, CONSTANŢA 2024 , ISSN 2360-3941
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18. **Mihaela Helstern**, Doru Stoianovici, Timur Chis, *Analysis of the effects of partially hydrolysed polyamide on oil reservoir rocks*, Journal of Engineering Research and Reports, Volume 26, Issue 8, page 10-19, 2024, article no. JERR 119720, ISSN: 2582-2926,