

Lista lucrărilor științifice

1° Teza de doctorat:

Bârsan Doru, - CERCETĂRI PRIVIND EFECTUL MIȘCĂRII GAZELOR ASUPRA TEHNICILOR DE USCARE A ACESTORA, 2021-2024, UPG Ploiesti, Conducător Științific Prof. Habil Dr.Ing. Chiș Timur-Vasile.

2° Cărți :

1. Timur Chiș, **Doru Bârsan**, Doru Stoianovici *Prelucrarea datelor experimentale în industria de petrol și gaze*, Editura Pim, 2023, 250 pagini, în curs de apariție;

3° Articole în rezumat în volumele unor manifestări științifice internaționale:

1. *Tiberiu Sandu, Mihaela Helstern, Doru Bârsan, Timur Chis, Use of artificial neural network to oil recovery by CO₂ injection*, SICHEM 2022, Book of Abstract, ISSN 2537-2254, 17-18 November, 2022,
2. *Doru Bârsan, Tiberiu Sandu, Mihaela Helstern, Timur Chis, Mathematical modeling by water recovery to natural gas extraction to artificial neural networks*, SICHEM 2022, Book of Abstract, ISSN 2537-2254, 17-18 November, 2022,
3. *Daniel Iancu, Doru Stoianovici, Doru Bârsan, Timur Chis, A life cycle of Romanian oil offshore platforms*, SICHEM 2022, Book of Abstract, ISSN 2537-2254, 17-18 November, 2022,
4. *Marius Bănică, Lazăr Avram, Doru Bârsan, Timur Chis, A life cycle of Romanian oil pipelines*, SICHEM 2022, Book of Abstract, ISSN 2537-2254, 17-18 November, 2022,
5. *Reem Sabah Nohammad, Doru Bârsan, Doru Stoianovici, Timur Chis, Numerical modeling of ground water treatment through ceramic membranes*, SICHEM 2022, Book of Abstract, ISSN 2537-2254, 17-18 November, 2022,
6. *Mihaela Helstern, Tiberiu Sandu, Doru Bârsan, Timur Chiș, Application of nanoparticles in oil recovery*, SICHEM 2022, Book of Abstract, ISSN 2537-2254, 17-18 November, 2022,
7. *Tiberiu SANDU, Mihaela HELSTERN, Doru BÂRSAN, Timur CHIȘ, Numerical modeling of CO₂ adsorption in aqueous-alkanolamine solutions-* EmergeMAT, 5TH INTERNATIONAL CONFERENCE ON EMERGING TECHNOLOGIES IN MATERIALS ENGINEERING27-28 October 2022, Bucharest, Romania ISSN 2602-0424 ISSN-L 2602-0416,
8. *Doru BÂRSAN, Tiberiu SANDU, Mihaela HELSTERN, Timur CHIȘ, Use of composite materials to reduce the water content of extracted natural gas*, EmergeMAT, 5TH INTERNATIONAL CONFERENCE ON EMERGING TECHNOLOGIES IN MATERIALS ENGINEERING27-28 October 2022, Bucharest, Romania ISSN 2602-0424 ISSN-L 2602-0416,
9. *Mihaela HELSTERN, Tiberiu SANDU, Doru BÂRSAN, Timur CHIȘ, Numerical modeling of calcium hydroxide sulphation*, EmergeMAT, 5TH INTERNATIONAL CONFERENCE ON EMERGING TECHNOLOGIES IN MATERIALS ENGINEERING27-28 October 2022, Bucharest, Romania ISSN 2602-0424 ISSN-L 2602-0416,
10. *Tiberiu SANDU, Mihaela HELSTERN, Doru BÂRSAN, Timur CHIȘ, Determination of the minimum miscibility pressure (M.M.P.) of some crude oils from Romania*, 22nd Romanian

International Conference on Chemistry and Chemical Engineering, Sinaia, ROMANIA - September 7 – 9, 2022,

11. **Doru BÂRSAN, Mihaela HELSTERN, Tiberiu SANDU, Timur CHIȘ, Drying of gases in droplet separators**, 22nd Romanian International Conference on Chemistry and Chemical Engineering, Sinaia, ROMANIA - September 7 – 9, 2022,

12. **Mihaela HELSTERN, Doru BÂRSAN, Tiberiu SANDU, , Timur CHIȘ, Effect of polymer additives on the distillation of paraffinic crude oils**, 22nd Romanian International Conference on Chemistry and Chemical Engineering, Sinaia, ROMANIA - September 7 – 9, 2022,

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