

**PhD. Student PETRAS LAURA ELISABETA**  
**List of papers that include data from the thesis**

**PAPERS LIST**

*Petras E. Laura, Koncsag (Muntean) Claudia, Pârvulescu Cristina Oana, Dobre T., Deleanu Iuliana, Răducanu E. C.* A simple model for gasoline hydrofining, Bulletin of Romanian Chemical Engineering Society (BRChES), 9, 2, 134-140, 2024 ISSN 2360-4697

*Petras E. Laura, Koncsag (Muntean) Claudia, Pârvulescu Cristina Oana, Dobre T., Deleanu Iuliana, Răducanu E. C.*, Effect of axial mixing in modelling of three phases steady state gasoline hydrofining, Bulletin of Romanian Chemical Engineering Society (BRChES), 11, 2, 62-68, 2024 ISSN 2360-4697

*Laura Elisabeta Petras, Claudia Muntean, Oana Parvulescu, Tănase Dobre*, Monitoring of the diesel hydrodesulfurization reactor and primary statistical data exploitation, Bulletin of Romanian Chemical Engineering Society, Vol 12, No 1, 88- 98, 202, ISSN 2360-4697

**ISI**

*Petras L.E., Dobre T., Serbanescu N., Pop D. F., Parvulescu O., Cioroiu- Tîrpan D- R., Popa I.*, Characterization of monitoring data of a diesel hydrodesulfurization reactor with Langmuir-Hinshelwood model: Part 1- Reactor Monitoring , U.P.B. Sci. Bull., Series B, 87, 3, 251-267, 2025, ISSN 1454 – 2331 (ISI)

*Gogoasă C.I., Răducanu C.E., Petraș L.E., Cioroiu Tîrpan D-R., Vasilievici G., Mîrț, A.L., Dobre T., Pârvulescu O.C.*, Bacterial Cellulose and Biodegradable Superbase for Heterogeneous Transesterification to Alkyl Esters. Catalysts ,13, 1431. 2023 [https://doi.org/ 10.3390/catal13111431](https://doi.org/10.3390/catal13111431) (ISI, Q1, FI = 4)

*Petraș L.E., Dobre T., Șerbănescu N., Pop F.D., Pârvulescu O.C.* Monitored and Predicted Data for a Diesel Fuel Hydrotreating Reactor, Materials , 18, 2481. 2025 <https://doi.org/10.3390/ma18112481> (ISI, Q1, FI = 3.5)

## **SCIENTIFIC MEETINGS ATTENDED**

*Petras E. Laura , Koncsag (Muntean) Claudia, Pârvulescu Cristina Oana, Dobre T., Deleanu Iuliana, Răducanu E.C., A three phases model steady state for gasoline hydrofining, Sichem 2022 - Book of Abstracts, 143-145, ISSN 2537-2254*

*Laura Petras, Claudia Koncsag, Oana Cristina Pârvulescu, Tănase Dobre, Iuliana Deleanu Cristian Eugen Răducanu, A simple model for gasoline hydrofining, RICCE 22, Posster S4 – 161 , Sinaia, 2022*

*Petras E. Laura , Koncsag (Muntean) Claudia, Pârvulescu Cristina Oana, Dobre T., Deleanu Iuliana, Răducanu E. C., Effect of axial mixing in modelling of three phases steady state gasoline hydrofining, SICHEM 2024, Book of Abstracts, 143-145, ISSN 2537-225*

*Laura Elisabeta Petras, Claudia Muntean, Tănase Dobre, Thermodynamic considerations regarding diesel hydrodesulfurization, SA-P16, SICHEM 2025-Book of Abstracts, SA-P16, 89-90, 2025, ISSN 2537-225*