

PhD. Student Pșenovschi Grigore
List of papers that include data from the thesis

PAPERS LIST - ISI articles

1. **Pșenovschi, G.**, Calinescu, I., Fiti, A., Chisega-Negrila, C. G., Ionascu, S. L., & Barbes, L. (2025). Microwave-Assisted Pyrolysis of Polyethylene and Polypropylene from End-of-Life Vehicles: Hydrogen Production and Energy Valorization. *Sustainability*, 17(13), 6196.; <https://doi.org/10.3390/su17136196>; WOS:001527569400001 (F.I.=3.3)
2. Calinescu I, **Pșenovschi G**, Cojocaru M, Chisega-Negrila CG, Albulescu C, Brebu M, Trifan A, Ignat ND, Chipurici P. Catalytic Pyrolysis of Low-Density Polyethylene Waste. *Sustainability*. 2024; 16(16):6788; <https://doi.org/10.3390/su16166788>; WOS:001307534200001 (F.I.=3.3)
3. Gavrilă, Adina I., Anamaria Vartolomei, Ioan Calinescu, Mircea Vinatoru, Oana C. Parvulescu, **Grigore Pșenovschi**, Petre Chipurici, and Adrian Trifan. "Ultrasound-assisted alkaline Pretreatment of biomass to enhance the extraction yield of valuable chemicals." *Agronomy* 14, no. 5 (2024): 903; <https://doi.org/10.3390/agronomy14050903>; WOS:001233105800001 (F.I.=3.4)
4. **Pșenovschi, G.**, Calinescu*, I., Fiti, A., Chisega-Negrila, C-G, „Catalytic pyrolysis of polypropylene waste”, acceptat spre publicare U.P.B Sci. Bull., Series B,
5. Vasilievici, G., Ghimiș, S. B., **Pșenovschi, G.**, & Sîrbu, M. (2023). „Thermo-Catalytic Pyrolysis Of Lignosulfonate From The Sulfite Process”. *Studia Universitatis Babeș-Bolyai, Chimia*, 68 (4). (F.I.=0.5)

SCIENTIFIC MEETINGS ATTENDED

National

1. **Pșenovschi G.**, Ciltea-Udrescu M., Mirt L., Neamtu C., Vasilievici G. „Catalytic pyrolysis of waste biomass”. 5th Exploratory Workshop NeXT-Chem: Innovative cross-sectorial technologies, Bucharest, Romania, 22-23 May, 2023. Oral presentation

International

1. Mirt L., Vlaicu A., Ciltea-Udrescu M., **Pșenovschi G.**, Vasilievici G. „Catalytic pyrolysis of reed for bio-oil and biochar production”. 19th International Symposium “Priorities of Chemistry for a Sustainable Development” PRIOCHEM, Bucharest, Romania, 11-13 October 2023. poster
2. **Grigore Pșenovschi**, Ioan Călinescu, Petre Chipurici, Mihaela Cojocaru, Ciprian Chisega Negrilă, „Fuels from Waste Plastics by Pyrolysis”, SICHEM 2024. Oral presentation
3. **Grigore Pșenovschi**, Petre Chipurici, Mihaela Cojocaru, Ciprian Chisega Negrila, Anca Paulenco, Ioan Calinescu „Conversion of Waste Plastics to Fuels Through Pyrolysis” 20th International Symposium “Priorities of Chemistry for a Sustainable Development” PRIOCHEM, Bucharest, Romania, 2024. Oral presentation

