

## Lucrări publicate în ultimii 10 anii în reviste și volume de conferințe cu referenți (neindexate)

1. **Sergiu Sima**, Andreea C. Varzaru, Radu C. Racovita, Viorel Feroiu, Catinca Secuianu, *Phase equilibria in systems of CO<sub>2</sub> and esters*, 21<sup>st</sup> Romanian International Conference on Chemistry and Chemical Engineering - RICCCCE 21, 4-7 September 2019, Constanta – Mamaia, Romania
2. **Sergiu Sima**, Adrian Crișciu, Oana Ciocîrlan, Cristian Dincă, Catinca Secuianu\*, Viorel Feroiu, *Phase Behaviour for Binary Systems Containing CO<sub>2</sub> at High Pressures of Interest for Carbon Capture and Storage*, 20<sup>th</sup> Romanian International Conference on Chemistry & Chemical Engineering – RICCCCE 20, 6-9 September 2017, Poiana Brasov, Romania (poster).
3. **Sergiu Sima**, George Rizea, Catinca Secuianu\*, Viorel Feroiu, *Phase Equilibria of CO<sub>2</sub> + 1,2-Dimethoxyethane at High-Pressures*, in 29<sup>th</sup> European Symposium on Applied Thermodynamics – ESAT 2017, 18-21 May, 2017, Bucharest, Romania, Book of abstracts p. 32 (oral communication).
4. **Sergiu Sima**, Adrian Crișciu, Catinca Secuianu, Viorel Feroiu, Dan Geană, *Phase Equilibria of Butanol Isomers in Supercritical Carbon Dioxide*, 14<sup>th</sup> International Conference on Properties and Phase Equilibria for Product and Process Design – PPEPPD 2016, May 22-26, Porto, Portugal (poster).
5. **Sergiu Sima**, Catinca Secuianu, Viorel Feroiu, Dan Geană, *Critical Behaviour of CO<sub>2</sub> + Cyclopentane Binary Mixture*, 19<sup>th</sup> Romanian International Conference on Chemistry & Chemical Engineering – RICCCCE 19, Sibiu, Romania, September 2-5, 2015 (poster).
6. **Sergiu Sima**, Raluca Toma, Adrian Crișciu, Catinca Secuianu, *The Relationship Between Some Physicochemical Parameters and Quality of Fish*, 19<sup>th</sup> Romanian International Conference on Chemistry & Chemical Engineering – RICCCCE 19, Sibiu, Romania, September 2-5, 2015 (poster).
7. **Sergiu Sima**, Bogdan Homescu, Monica Adriana Radu, Adrian Crișciu, Catinca Secuianu, Viorel Feroiu, *Physico-Chemical Properties of Essential and Food Oils*, 19<sup>th</sup> Romanian International Conference on Chemistry & Chemical Engineering – RICCCCE 19, Sibiu, Romania, September 2-5, 2015 (poster).
8. **Sergiu Sima**, Catinca Secuianu, Viorel Feroiu, Dan Geană, *Phase equilibria of carbon dioxide + n-heptane binary system*, 28<sup>th</sup> European Symposium on Applied Thermodynamics (ESAT 2015): “Everything flows”, June 11-14, 2015, Athens, Greece (poster).
9. **Sergiu Sima**, Catinca Secuianu, Viorel Feroiu, Dan Geană, *Phase equilibria of CO<sub>2</sub> + cycloalkanes + alcohols mixtures at high-pressures*, 28<sup>th</sup> European Symposium on Applied Thermodynamics (ESAT 2015): “Everything flows”, June 11-14, 2015, Athens, Greece (poster).
10. Juan M. Milanesio, **Sergiu Sima**, Julia Cruz-Doblas, Martin Cismondi, Catinca Secuianu, *Effect of cyclic and branched isomers on the VLE of CO<sub>2</sub> + alkane mixtures*, 27<sup>th</sup> European Symposium on Applied Thermodynamics (ESAT 2014): “Experiments meet Theory and Simulation” 6-9 July 2014, Eindhoven - The Netherlands (comunicare orală).

11. **Sima, S.**, Cruz Doblas, J., Cismondi, M., Secuianu, C., *High pressure phase equilibria in carbon dioxide + branched alkanes mixtures*, in 18<sup>th</sup> Romanian International Conference on Chemistry and Chemical Engineering RICCCE 18, 4-7 September, 2013, Sinaia, Romania (comunicare orală).
12. **Sima, S.**, Crişciu, A., Feroiu, V., Secuianu, C., *Physical properties for binary and ternary mixtures of SDS with water and different alcohols*, in 18<sup>th</sup> Romanian International Conference on Chemistry and Chemical Engineering RICCCE 18, 4-7 September, 2013, Sinaia, Romania (comunicare orală).
13. **Sima, S.**, Secuianu, C., Feroiu, V., Geană, D., *Phase behaviour in carbon dioxide + butanol isomers*, in 18<sup>th</sup> Romanian International Conference on Chemistry and Chemical Engineering RICCCE 18, 4-7 September, 2013, Sinaia, Romania (comunicare orală).