

## **Ioan CALINESCU**

### **ISI Articles**

- Ris. 1.** Vartolomei, A., I. Calinescu, M. Vinatoru and A. Gavrilă (2019). "Intensification of the Enzymatic Esterification Process by Ultrasounds." *Revista De Chimie* 70(1): 41-44.
- Ris. 2.** Calinescu, I., A. Vartolomei, I. A. Gavrilă, M. Vinatoru and T. J. Mason (2019). "A reactor designed for the ultrasonic stimulation of enzymatic esterification." *Ultrason Sonochem*;30827906.
- Ris. 3.** Calinescu, I., A. Vlaicu, P. Chipurici, D. Ighigeanu and V. Lavric (2018). "Alcoholic fermentation in the presence of microwaves." *Chemical Engineering and Processing - Process Intensification* 126: 16-22;WOS:000430755200003.
- Ris. 4.** Asofieii, I., I. Calinescu, A. I. Gavrilă, D. Ighigeanu and D. Martin (2018). "Microwave Pretreatment of Vegetable Materials to Increase the Extraction Yield of Natural Products." *Revista De Chimie* 69(8): 1976-1979;WOS:000444602300011.
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- Ris. 7.** Sibianu, T. I., G. Dimitrakis, J. Katrib, C. Matei, D. Berger, C. Dodds, A. V. Surdu, L. Calinescu and D. J. Irvine (2017). "Utilization of Dielectric Properties Assessment To Evaluate the Catalytic Activity and Rate of Deactivation of Heterogeneous Catalysts." *Industrial & Engineering Chemistry Research* 56(8): 1940-1947;WOS:000395493600006.
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- Ris. 9.** Racoti, A., A. J. Buttress, E. Binner, C. Dodds, A. Trifan and I. Calinescu (2017). "Microwave assisted hydro-distillation of essential oils from fresh ginger root (*Zingiber officinale* Roscoe)." *Journal of Essential Oil Research* 29(6): 471-480;WOS:000413854600006.
- Ris. 10.** Galan, A. M., J. Calinescu, A. Trifan, C. Winkworth-Smith, M. Calvo-Carrascal, C. Dodds and E. Binner (2017). "New insights into the role of selective and volumetric heating during microwave extraction: Investigation of the extraction of polyphenolic compounds from sea buckthorn leaves using microwave-assisted extraction and conventional solvent extraction." *Chemical Engineering and Processing* 116: 29-39;WOS:000400529800004.

- Ris. 11.** Galan, A. M., I. Calinescu, E. Radu, E. E. Oprescu, G. Vasilievici and S. Velea (2017). "Development of a new method for determination of the oil content from microalgae lipid fraction." *Revista De Chimie* 68(4): 671-674;WOS:000400732400008.
- Ris. 12.** Calinescu, I., V. Lavric, I. Asofiei, A. I. Gavrilă, A. Trifan, D. Ighigeanu, D. Martin and C. Matei (2017). "Microwave assisted extraction of polyphenols using a coaxial antenna and a cooling system." *Chemical Engineering and Processing: Process Intensification*;WOS:000418211800036.
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- Ris. 14.** Asofiei, I., I. Calinescu, A. I. Gavrilă, D. Ighigeanu, D. Martin and C. Matei (2017). "Microwave hydrodiffusion and gravity, a green method for the essential oil extraction from ginger - energy considerations." *University Politehnica of Bucharest Scientific Bulletin Series B-Chemistry and Materials Science* 79(4): 81-92;WOS:000424134600009.
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- Ris. 16.** Racoti, A., E. Rusen, A. Dinescu, V. A. Ion, I. Calinescu, A. Mocanu and A. Diacon (2016). "Ginger essential oil encapsulation in pmma microcapsules - part II " *University Politehnica of Bucharest Scientific Bulletin Series B-Chemistry and Materials Science* 78(3): 87-96;WOS:000417053200008.
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- Ris. 20.** Ivopol, M., O. Olaru, G. M. Nitulescu, A. Dune, M. Popescu, C. Spinu, G. Nitulescu and I. Calinescu (2016). "Zingiberaceae extracts and essential oils with potential sortase inhibitory

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- Ris. 28.** Kodom, T., E. Rusen, I. Calinescu, A. Mocanu, R. Somoghi, A. Dinescu, A. Diacon and C. Boscornea (2015). "Silver Nanoparticles Influence on Photocatalytic Activity of Hybrid Materials Based on TiO<sub>2</sub> P25." Journal of Nanomaterials;WOS:000360741600001.
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- Ris. 47.** Calinescu, I., A. I. Gavrilă, M. Ivopol, G. C. Ivopol, M. Popescu and N. Mircioaga (2014). "Microwave assisted extraction of essential oils from enzymatically pretreated lavender (*Lavandula angustifolia* Miller)." *Central European Journal of Chemistry* 12(8): 829-836;WOS:000335552400003.
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