

Universitatea Națională de Știință și Tehnologie POLITEHNICA București

Facultatea: Inginerie Chimică și Biotehnologii

Departamentul: Inginerie Chimică și Biochimică

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Gradul didactic: Profesor

L I S T A

lucrărilor științifice în domeniul disciplinelor din postul didactic

A. Teza de doctorat

Fenomene de transfer în procesul de schimb ionic (2005) POLITEHNICA București (îndrumător științific: prof. Gheorghita JINESCU).

B. Cărți și capitole în cărți publicate în ultimii 10 ani

1. **Pârvulescu, O.C.**, Isopencu, G., Busuioc, C., Răducanu, C., Mocanu, A., Deleanu, I., Stoica-Guzun, A., *Antimicrobial bacterial cellulose composites as textile materials* (book chapter), in The Textile Institute Book Series, Antimicrobial Textiles from Natural Resources (Editor: I.H. Mondal), Woodhead Publishing, Elsevier, 2021, pp. 513-556, ISBN 9780128214855, <https://doi.org/10.1016/B978-0-12-821485-5.00013-5>.

C. Lucrări indexate ISI/BDI publicate în ultimii 10 ani

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1. Bucșe, A., **Pârvulescu, O.C.***, Vasiliu, D., Rădulescu, F., Lupașcu, N., Ispas, B.A. (2023) *Spatial distribution of trace elements and potential contamination sources for surface sediments of the North-Western Black Sea, Romania*. Front. Mar. Sci., 10, art. no. 1310164, 1–17, ISSN:2296-7745, WOS:001150642500001 (Q1).
2. Drăghici-Popa, A.M., Boscornea, A.C., Brezoiu, A.M., Tomas, Ș.T., **Pârvulescu, O.C.***, Stan, R. (2023) *Effects of extraction process factors on the composition and antioxidant activity of blackthorn (Prunus spinosa L.) fruit extracts*. Antioxidants, 12(10), art. no. 1897, 1–19, ISSN:2076-3921, WOS: 001094895700001 (Q1).
3. Moloșag, A., **Pârvulescu, O.C.***, Ion, V.A., Asănică, A.C., Soane, R., Moț, A., Dobrin, A., Frîncu, M., Løes, A.K., Cabell, J., Salifoglou, A., Maroulis, M., Matsia, S., Bujor, O.C., Egri, D., Dobre, T., Bădulescu, L.A., Lagunosvchi-Luchian, V. (2023) *Effects of marine residue-derived fertilizers on strawberry growth, nutrient content, fruit yield and quality*. Agronomy, 13 (5), art. no. 1221, 1–19, ISSN:2073-4395, WOS:000995487100001 (Q1).
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5. Gogoășă, C.I., Răducanu, C.E., Petraș, L.E., Cioroiu Tîrpan, D.R., Vasilievici, G., Mîrț, A.L., Dobre, T., **Pârvulescu, O.C.** (2023). *Bacterial cellulose and biodegradable superbase for*

heterogeneous transesterification to alkyl esters. Catalysts, 13 (11), art. no. 1431, 1–16, ISSN:2073-4344, WOS: 001108220800001.

6. Gavrilă, A.I., Chisega-Negrilă, C.G., Maholea, L., Gavrilă, M.L., **Pârvulescu, O.C.**, Popa, I. (2023) *Enhancing the extraction process efficiency of thyme essential oil by combined ultrasound and microwave techniques*. Agronomy, 13 (9), art. no. 2331, 1–14, ISSN:2073-4395, WOS: 001093126200001.
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37. Trică, B., **Pârvulescu, O.C.***, Dobre, T., Al Janabi, A.A.A., Răducanu, C., Patrichi, C. (2017) *Modelling of ethanol fermentation coupled with product recovery by pervaporation*. Rev. Chim., 68 (11), 2708–2715, ISSN:0034-7752, WOS:000416751800051.
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E. Brevete obținute în întreaga activitate

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