

Lista lucrărilor publicate în periodice

Ris1. (ISI-SCIE) Racoviță, R.C., Secuianu, C., Israel-Roming F. *Quantification and Risk Assessment of Carcinogenic Polycyclic Aromatic Hydrocarbons in Retail Smoked Fish and Smoked Cheeses.* FOOD CONTROL **2021**, 121, 107586, DOI: 10.1016/j.foodcont.2020.107586, WOS: 000600399600002, IF₂₀₂₁: 6.652 (Q1), ISSN: 0956-7135, citări: 5 (Web of Science), 8 (Scopus), 11 (Google Scholar).

Ris2. (ISI-ESCI) Ioniță, M., Crișciu, A., Racoviță, R.C., Sima, S., Secuianu C. *Phase Diagram Predictions for Carbon Dioxide + Different Classes of Organic Substances at High Pressures.* UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN SERIES B-CHEMISTRY AND MATERIALS SCIENCE **2021**, 83(2), 117-132, WOS: pending, ISSN 1454-2331, citări: 1 (Web of Science), 1 (Scopus), 1 (Google Scholar).

Ris3. (ISI-SCIE) Racoviță, R.C., Secuianu, C., Ciucă, M.D., Israel-Roming F. *Effects of Smoking Temperature, Smoking Time, and Type of Wood Sawdust on Polycyclic Aromatic Hydrocarbon Accumulation Levels in Directly Smoked Pork Sausages.* JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY **2020**, 68(35), 9530-9536, DOI: 10.1021/acs.jafc.0c04116, WOS: 000569284100024, IF₂₀₂₁: 5.895 (Q1), ISSN: 0021-8561, citări: 12 (Web of Science), 12 (Scopus), 19 (Google Scholar).

Ris4. (ISI-SCIE) Racoviță, R.C., Crișciu, A.V., Sima, S., Secuianu, C. *A Convenient Hybrid Method for Obtaining Liquid-Liquid Equilibrium Data in Ternary Systems.* JOURNAL OF CHEMICAL & ENGINEERING DATA **2020**, 65, 3384-3392, DOI: 10.1021/acs.jced.0c00195, WOS: 000550745200013, IF₂₀₂₁: 3.119 (Q2), ISSN: 0021-9568, citări: 1 (Web of Science), 1 (Scopus), 1 (Google Scholar).

Ris5. (ISI-SCIE) Sima, S., Racoviță, R.C., Chirilă, A., Deaconu, D., Feroiu, V., Secuianu, C. *Phase Behaviour Calculations for the Carbon Dioxide + 1,2-Dimethoxyethane Binary System with a Cubic Equation of State.* STUDIA UNIVERSITATIS BABEȘ-BOLYAI CHEMIA **2019**, 64(3), 129-142, DOI: 10.24193/subbchem.2019.3.11, WOS: 000489744800012, IF₂₀₂₁: 0.558 (Q4), ISSN: 1224-7154, citări: 5 (Web of Science), 5 (Scopus), 6 (Google Scholar).

Ris6. (ISI-SCIE) Kim, O.T., Um, Y., Jin, M.L., Kim, J.U., Hegebarth, D., Busta, L., Racoviță, R.C., Jetter, R. *A Novel Multifunctional C-23 Oxidase, CYP714E19, Is Involved in Asiaticoside Biosynthesis.* PLANT AND CELL PHYSIOLOGY **2018**, 59(6), 1200-1213, DOI: 10.1093/pcp/pcy055, WOS: 000434082500011, IF₂₀₂₁: 4.937 (Q1), ISSN 0032-0781, citări: 15 (Web of Science), 20 (Scopus), 18 (Google Scholar).

Ris7. (ISI-ESCI) Sima, S., Racoviță, R.C., Dincă, C., Feroiu, V., Secuianu, C. *Phase Equilibria Calculations for Carbon Dioxide + 2-Propanol System.* UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN SERIES B-CHEMISTRY AND MATERIALS SCIENCE **2017**, 79(4), 11-24, WOS: 000424134600002, ISSN 1454-2331, citări: 10 (Web of Science), 10 (Scopus), 11 (Google Scholar).

Ris8. (BDI-GS) Racoviță, R.C., Sima, S., Secuianu, C., Feroiu, V. *Phase Behavior Predictions for Carbon Dioxide + Isopropanol Binary System with a Cubic Equation of State.* BULLETIN OF ROMANIAN CHEMICAL ENGINEERING SOCIETY **2017**, 4(2), 2-13, ISSN 2360-4697, citări: 1 (Google Scholar).

Ris9. (BDI-GS) Apostol, L., Iorga, S., Moșoiu, C., Racoviță, R.C., Niculae, O.M. *The Effects of Partially Defatted Milk Thistle (*Silybum marianum*) Seed Flour on Wheat Flour.* JOURNAL OF INTERNATIONAL SCIENTIFIC PUBLICATIONS: AGRICULTURE & FOOD **2017**, 5, 74-84, ISSN 1314-8591, citări: 4 (Google Scholar).

Ris10. (BDI-GS) Apostol, L., Iorga, S., Moșoiu, C., Racoviță, R.C., Niculae, O.M., Vlăsceanu, G. *Alfalfa Concentrate – A Rich Source of Nutrients for Use in Food Products.* JOURNAL OF INTERNATIONAL SCIENTIFIC PUBLICATIONS: AGRICULTURE & FOOD **2017**, 5, 66-73, ISSN 1314-8591, citări: 11 (Google Scholar).

Ris11. (BDI-Scopus) Apostol, L., Vătuui, I., Cucu, M., Racoviță, R.C. *Method of Assessment of the Efficacy of Decontamination of Thermosensitive Foodstuffs.* THIRD IMEKOFOODS CONFERENCE PROCEEDINGS **2017**, 137715, 276, citări: 0 (Scopus).

Ris12. (ISI-SCIE) Racoviță, R.C., Jetter, R. *Identification of Polyketides in the Cuticular Waxes of *Triticum aestivum* cv. Bethlehem.* LIPIDS **2016**, 51(12), 1407-1420, DOI: 10.1007/s11745-016-4208-z, WOS: 000388184700008, IF₂₀₂₁: 1.646 (Q3, at the time of publication), ISSN: 0024-4201, citări: 8 (Web of Science), 8 (Scopus), 9 (Google Scholar).

Ris13. (ISI-SCIE) Racoviță, R.C., Jetter, R. *Identification of In-Chain-Functionalized Compounds and Methyl-Branched Alkanes in Cuticular Waxes of *Triticum aestivum* cv. Bethlehem.* PLOS ONE **2016**, 11(11), e0165827, DOI: 10.1371/journal.pone.0165827, WOS: 000387614800023, IF₂₀₂₁: 3.752 (Q1, at the time of publication), ISSN: 1932-6203, citări: 8 (Web of Science), 9 (Scopus), 9 (Google Scholar).

Ris14. (ISI-SCIE) Racoviță, R.C., Jetter, R. *Composition of the Epicuticular Waxes Coating the Adaxial Side of *Phyllostachys aurea* Leaves: Identification of Very-Long-Chain Primary Amides.* PHYTOCHEMISTRY **2016**, 130, 252-261, DOI: 10.1016/j.phytochem.2016.06.005, WOS: 000383302900025, IF₂₀₂₁: 4.004 (Q1), ISSN: 0031-9422, citări: 11 (Web of Science), 12 (Scopus), 16 (Google Scholar).

Ris15. (ISI-SCIE) Racoviță, R.C., Hen-Avivi, S., Fernandez-Moreno, J.-P., Granell, A., Aharoni, A., Jetter, R. *Composition of Cuticular Waxes Coating Flag Leaf Blades and Peduncles of *Triticum aestivum* cv. Bethlehem.* PHYTOCHEMISTRY **2016**, 130, 182-192, DOI: 10.1016/j.phytochem.2016.05.003, WOS: 000383302900017, IF₂₀₂₁: 4.004 (Q1), ISSN: 0031-9422, citări: 31 (Web of Science), 30 (Scopus), 34 (Google Scholar).

Ris16. (ISI-SCIE) Wigzell, J.M., Racoviță, R.C., Stentiford, B.G., Wilson, M., Harris, M.T., Fletcher, I.W., Mosquin, D.P.K., Justice, D., Beaumont, S.K., Jetter, R., Badyal, J.P.S. *Smart Water Channelling by the *Phyllostachys aurea* Bamboo through Dual Surface Wettability.* COLLOIDS AND SURFACES A – PHYSICOCHEMICAL AND ENGINEERING

ASPECTS **2016**, 506, 344-355, DOI: 10.1016/j.colsurfa.2016.06.058, WOS: 000382591100040, IF₂₀₂₁: 5.518 (Q2), ISSN 0927-7757, citări: 11 (Web of Science), 13 (Scopus), 14 (Google Scholar).

Ris17. (ISI-SCIE) Hen-Avivi, S., Savin, O., **Racoviță, R.C.**, Lee, W.-S., Adamki, N., Malitsky, S., Almekias-Siegl, E., Levi, M., Vautrin, S., Berges, H., Friedlander, G., Kartvelishvily, E., Ben-Zvi, G., Alkan, N., Uauy, C., Kanyuka, K., Jetter, R., Distelfeld, A., Aharoni, A. *A Metabolic Gene Cluster in the Wheat W1 and the Barley Cer-cqu Loci Determines β -Diketone Biosynthesis and Glaucousness*. PLANT CELL **2016**, 28(6), 1440-1460, DOI: 10.1105/tpc.16.00197, WOS: 000380689400019, IF₂₀₂₁: 12.085 (Q1), ISSN: 1040-4651, citări: 78 (Web of Science, „Highly Cited Paper” in 2019), 75 (Scopus), 112 (Google Scholar).

Ris18. (ISI-SCIE) Fernandez-Moreno, J.-P., Malitsky, S., Lashbrooke, J., Biswal, A., **Racoviță, R.C.**, Mellerowicz, E.J., Jetter, R., Orzaez, D., Aharoni, A., Granell, A. *An Efficient Method for Medium-Throughput Screening of Cuticular Wax Composition in Different Plant Species*. METABOLOMICS **2016**, 12(4), 73, DOI: 10.1007/s11306-016-0982-0, WOS: 000372156700014, IF₂₀₂₁: 4.747 (Q2), ISSN: 1573-3882, citări: 12 (Web of Science), 12 (Scopus), 15 (Google Scholar).

Ris19. (ISI-SCIE) **Racoviță, R.C.**, Peng, C., Awakawa, T., Abe, I., Jetter, R. *Very-Long-Chain 3-Hydroxy Fatty Acids, 3-Hydroxy Fatty Acid Methyl Esters and 2-Alkanols from Cuticular Waxes of Aloe arborescens Leaves*. PHYTOCHEMISTRY **2015**, 113, 183-194, DOI: 10.1016/j.phytochem.2014.08.005, WOS: 000356186000020, IF₂₀₂₁: 4.004 (Q1), ISSN: 0031-9422, citări: 23 (Web of Science), 21 (Scopus), 31 (Google Scholar).