

Lista de lucrări

Candidat: Mocan Andrei-Marius

a. Articole în extenso în reviste cotate ISI Thomson Reuters (articole în reviste cu factor de impact) în calitate de autor principal:

1. **Mocan, A.**; Vlase, L.; Vodnar, D.C.; Gheldiu, A.M.; Oprean, R.; Crisan, G. Antioxidant, Antimicrobial Effects and Phenolic Profile of *Lycium barbarum* L. Flowers. *Molecules* **2015**, *20*, 15060-15071A, IF=2.465, <https://www.webofscience.com/wos/woscc/full-record/WOS:000361375400094>
2. **Mocan, A.**; Carradori, S.; Locatelli, M.; Secci, D.; Cesa, S.; Mollica, A.; Riga, S.; Angeli, A.; Supuran, C.T.; Celia, C.; et al. Bioactive Isoflavones from *Pueraria lobata* Root and Starch: Different Extraction Techniques and Carbonic Anhydrase Inhibition. *Food Chem. Toxicol.* **2018**, *112*, 441–447, IF=3.775, <https://www.webofscience.com/wos/woscc/full-record/WOS:000425568900050>
3. **Mocan, A.**; Zengin, G.; Uysal, A.; Gunes, E.; Mollica, A.; Degirmenci, N.S.; Alpsyoy, L.; Aktumsek, A. Biological and Chemical Insights of *Morina Persica* L.: A Source of Bioactive Compounds with Multifunctional Properties. *J. Funct. Foods* **2016**, *25*, 94–109, IF=3.144, <https://www.webofscience.com/wos/woscc/full-record/WOS:000381234200009>
4. **Mocan, A.**; Zengin, G.; Mollica, A.; Uysal, A.; Gunes, E.; Crişan, G.; Aktumsek, A. Biological Effects and Chemical Characterization of *Iris Schachtii* Markgr. Extracts: A New Source of Bioactive Constituents. *Food Chem. Toxicol.* **2018**, *112*, 448–457, IF=3.775, <https://www.webofscience.com/wos/woscc/full-record/WOS:000425568900051>
5. **Mocan, A.**; Fernandes, Â.; Barros, L.; Crişan, G.; Smiljković, M.; Soković, M.; Ferreira, I.C.F.R. Chemical Composition and Bioactive Properties of the Wild Mushroom: *Polyporus squamosus* (Huds.) Fr: A Study with Samples from Romania. *Food Funct.* **2018**, *9*, 160–170, IF=3.241, <https://www.webofscience.com/wos/woscc/full-record/WOS:000423351400014>
6. Mocan, A.; Babotă, M.; Pop, A.; Fizeşan, I.; Diuzheva, A.; Locatelli, M.; Carradori, S.; Campestre, C.; Menghini, L.; Sisea, C.R.; et al. Chemical Constituents and Biologic Activities of Sage Species: A Comparison between *Salvia officinalis* L., *S. Glutinosa* L. and *S. transsylvanica* (Schur Ex Griseb. & Schenk) Schur. *Antioxidants* **2020**, *9*, IF=6.313, <https://www.webofscience.com/wos/woscc/full-record/WOS:000553866900001>
7. **Mocan, A.**; Vlase, L.; Vodnar, D.C.; Bischin, C.; Hanganu, D.; Gheldiu, A.-M.; Oprean, R.; Silaghi-Dumitrescu, R.; Crişan, G. Comparative Studies on Antioxidant Activity and Polyphenolic Content of *Lycium barbarum* L. and *Lycium chinense* Mill. Leaves. *Molecules* **2014**, *19*, 10056–10073, IF=2.416, <https://www.webofscience.com/wos/woscc/full-record/WOS:000360420800013>
8. **Mocan, A.**; Crişan, G.; Vlase, L.; Crişan, O.; Vodnar, D.C.; Raita, O.; Gheldiu, A.M.; Toiu, A.; Oprean, R.; Tilea, I. Comparative Studies on Polyphenolic Composition, Antioxidant and Antimicrobial Activities of *Schisandra chinensis* Leaves and Fruits. *Molecules* **2014**, *19*, 15162–15179, IF=2.416, <https://www.webofscience.com/wos/woscc/full-record/WOS:000343093100135>
9. **Mocan, A.**; Schafberg, M.; Crisan, G.; Rohn, S. Determination of Lignans and Phenolic Components of *Schisandra chinensis* (Turcz.) Baill. Using HPLC-ESI-ToF-MS and HPLC-Online TEAC: Contribution of Individual Components to Overall Antioxidant Activity and Comparison with Traditional Antioxidant Assays. *J. Funct. Foods* **2016**, *24*, 579–594, IF=3.144, <https://www.webofscience.com/wos/woscc/full-record/WOS:000378367100056>
10. **Mocan, A.**; Diuzheva, A.; Carradori, S.; Andruch, V.; Massafra, C.; Moldovan, C.; Sisea, C.; Petzer, J.P.; Petzer, A.; Zara, S.; et al. Development of Novel Techniques to Extract Phenolic Compounds from Romanian Cultivars of *Prunus domestica* L. and Their Biological Properties. *Food Chem. Toxicol.* **2018**, *119*, 189–198, IF=3.775, <https://www.webofscience.com/wos/woscc/full-record/WOS:000425568900051>

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12. **Mocan, A.**; Zengin, G.; Simirgiotis, M.; Schafberg, M.; Mollica, A.; Vodnar, D.C.; Crişan, G.; Rohn, S. Functional Constituents of Wild and Cultivated Goji (*L. barbarum* L.) Leaves: Phytochemical Characterization, Biological Profile, and Computational Studies. *J. Enzyme Inhib. Med. Chem.* **2017**, *32*, 153–168, IF=3.638, <https://www.webofscience.com/wos/woscc/full-record/WOS:000392591100009>
13. **Mocan, A.**; Vlase, L.; Arsene, A.L.; Vodnar, D.; Bischin, C.; Silaghi-Dumitrescu, R.; Crişan, G. HPLC/MS Analysis of Caffeic and Chlorogenic Acids from Three Romanian *Veronica* Species and Their Antioxidant and Antimicrobial Properties. *Farmacia* **2015**, *63*, IF=1.162, <https://www.webofscience.com/wos/woscc/full-record/WOS:000366789200017>
14. **Mocan, A.**; Diuzheva, A.; Bădărău, S.; Moldovan, C.; Andruch, V.; Carradori, S.; Campestre, C.; Tartaglia, A.; De Simone, M.; Vodnar, D.; et al. Liquid Phase and Microwave-Assisted Extractions for Multicomponent Phenolic Pattern Determination of Five Romanian *Galium* Species Coupled with Bioassays. *Molecules* **2019**, *24*, IF=3.267, <https://www.webofscience.com/wos/woscc/full-record/WOS:000464954700007>
15. **Mocan, A.**; Vodnar, D.C.; Vlase, L.; Crişan, O.; Gheldiu, A.M.; Crişan, G. Phytochemical Characterization of *Veronica officinalis* L., *V. teucrium* L. and *V. orchidea* Crantz from Romania and Their Antioxidant and Antimicrobial Properties. *Int. J. Mol. Sci.* **2015**, *16*, 21109–21127, IF=3.257, <https://www.webofscience.com/wos/woscc/full-record/WOS:000364541000055>
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18. **Mocan, A.**; Cairone, F.; Locatelli, M.; Cacciagrano, F.; Carradori, S.; Vodnar, D.C.; Crişan, G.; Simonetti, G.; Cesa, S. Polyphenols from *Lycium barbarum* (Goji) Fruit European Cultivars at Different Maturation Steps: Extraction, Hplc-Dad Analyses, and Biological Evaluation. *Antioxidants* **2019**, *8*, IF=5.014, <https://www.webofscience.com/wos/woscc/full-record/WOS:000502268400058>
19. **Mocan, A.**; Moldovan, C.; Zengin, G.; Bender, O.; Locatelli, M.; Simirgiotis, M.; Atalay, A.; Vodnar, D.C.; Rohn, S.; Crişan, G. UHPLC-QTOF-MS Analysis of Bioactive Constituents from Two Romanian Goji (*Lycium barbarum* L.) Berries Cultivars and Their Antioxidant, Enzyme Inhibitory, and Real-Time Cytotoxicological Evaluation. *Food Chem. Toxicol.* **2018**, *115*, 414–424, IF=3.775, <https://www.webofscience.com/wos/woscc/full-record/WOS:000432644400043>
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21. Waltenberger, B.; **Mocan, A.**; Šmejkal, K.; Heiss, E.H.; Atanasov, A.G. Natural Products to Counteract the Epidemic of Cardiovascular and Metabolic Disorders. *Molecules* **2016**, *21*, IF=2.861, <https://www.webofscience.com/wos/woscc/full-record/WOS:000378757600131>
22. Păltinean, R.; **Mocan, A.**; Vlase, L.; Gheldiu, A.M.; Crişan, G.; Ielciu, I.; Voştinaru, O.; Crişan, O. Evaluation of Polyphenolic Content, Antioxidant and Diuretic Activities of Six *Fumaria* Species. *Molecules* **2017**, *22*, IF=3.098, <https://www.webofscience.com/wos/woscc/full-record/WOS:000404517800137>

23. Tewari, D.; **Mocan, A.**; Parvanov, E.D.; Sah, A.N.; Nabavi, S.M.; Huminiecki, L.; Ma, Z.F.; Lee, Y.Y.; Horbańczuk, J.O.; Atanasov, A.G. Ethnopharmacological Approaches for Therapy of Jaundice: Part II. Highly Used Plant Species from Acanthaceae, Euphorbiaceae, Asteraceae, Combretaceae, and Fabaceae Families. *Front. Pharmacol.* **2017**, *8*, IF=3.831, <https://www.webofscience.com/wos/woscc/full-record/WOS:000407483800001>
24. Tewari, D.; **Mocan, A.**; Parvanov, E.D.; Sah, A.N.; Nabavi, S.M.; Huminiecki, L.; Ma, Z.F.; Lee, Y.Y.; Horbanczuk, J.O.; Atanasov, A.G. Ethnopharmacological Approaches for Therapy of Jaundice: Part I. *Front. Pharmacol.* **2017**, *8*, IF=3.831, <https://www.webofscience.com/wos/woscc/full-record/WOS:000408515100001>
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26. **Mocan, A.**; Fernandes, A.; Calhelha, RC; Gavrilas, L; Ferreira, ICFR; Ivanov, M; Sokovic, M; Barros, L; Babota, M. Bioactive Compounds and Functional Properties of Herbal Preparations of *Cystus creticus* L. Collected From Rhodes Island. *Frontiers in Nutrition* **2022**, *9*, 881210, IF=6.59, <https://www.webofscience.com/wos/woscc/full-record/WOS:000807205400001>
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28. Llorent-Martínez, E.J.; Ortega-Barrales, P.; Zengin, G.; **Mocan, A.**; Simirgiotis, M.J.; Ceylan, R.; Uysal, S.; Aktumsek, A. Evaluation of Antioxidant Potential, Enzyme Inhibition Activity and Phenolic Profile of *Lathyrus cicera* and *Lathyrus digitatus*: Potential Sources of Bioactive Compounds for the Food Industry. *Food Chem. Toxicol.* **2017**, *107*, 609–619, IF=3.977, <https://www.webofscience.com/wos/woscc/full-record/WOS:000408596500010>
29. Moldovan, C.; Frumuzachi, O.; Babotă, M.; Menghini, L.; Cesa, S.; Gavan, A.; Sisea, C.R.; Tanase, C.; Dias, M.I.; Pereira, C.; et al. Development of an Optimized Drying Process for the Recovery of Bioactive Compounds from the Autumn Fruits of *Berberis vulgaris* L. and *Crataegus monogyna* Jacq. *Antioxidants* **2021**, *10*, IF=6.313, <https://www.webofscience.com/wos/woscc/full-record/WOS:000714794000001>
30. Moldovan, C.; Babota, M.; **Mocan, A.**; Menghini, L.; Cesa, S.; Gavan, A.; Sisea, C.; Vodnar, D.C.; Dias, M.I.; Pereira, C.; et al. Optimization of the Drying Process of Autumn Fruits Rich in Antioxidants: A Study Focusing on Rosehip (*Rosa canina* L.) and Sea Buckthorn (*Elaeagnus rhamnoides* (L.) A. Nelson) and Their Bioactive Properties. *Food Funct.* **2021**, *12*, 3939–3953, IF=5.396, <https://www.webofscience.com/wos/woscc/full-record/WOS:000637063700001>
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33. Wang, D.; Bădăraș, A.S.; Swamy, M.K.; Shaw, S.; Maggi, F.; da Silva, L.E.; López, V.; Yeung, A.W.K.; **Mocan, A.**; Atanasov, A.G. *Arctium* Species Secondary Metabolites Chemodiversity and Bioactivities. *Front. Plant Sci.* **2019**, *10*, IF=4.402, <https://www.webofscience.com/wos/woscc/full-record/WOS:000474706800001>
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39. Tewari, D.; Samoila, O.; Gocan, D.; **Mocan, A.**; Moldovan, C.; Devkota, H.P.; Atanasov, A.G.; Zengin, G.; Echeverría, J.; Vodnar, D.; et al. Medicinal Plants and Natural Products Used in Cataract Management. *Front. Pharmacol.* **2019**, *10*, IF=4.225, <https://www.webofscience.com/wos/woscc/full-record/WOS:000471874500001>
40. Kocak, M.S.; Uren, M.C.; Calapoglu, M.; Tepe, A.S.; **Mocan, A.**; Rengasamy, K.R.R.; Sarikurkcu, C. Phenolic Profile, Antioxidant and Enzyme Inhibitory Activities of *Stachys annua* Subsp. *annua* Var. *annua*. *South African J. Bot.* **2017**, *113*, 128–132, IF=1.442, <https://www.webofscience.com/wos/woscc/full-record/WOS:000416988100018>
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44. Rusu, M.E.; Fizesan, I.; Pop, A.; **Mocan, A.**; Gheldiu, A.M.; Babota, M.; Vodnar, D.C.; Jurj, A.; Berindan-Neagoe, I.; Vlase, L.; et al. Walnut (*Juglans regia* L.) Septum: Assessment of Bioactive Molecules and *In Vitro* Biological Effects. *Molecules* **2020**, *25*, IF=4.412, <https://www.webofscience.com/wos/woscc/full-record/WOS:000535695900183>
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