

Lista de lucrări – Mocan Andrei-Marius

1. Lista celor 10 lucrări relevante

1. Frumuzachi, O.; Babotă, M.; Miere, D.; **Mocan, A.**; Crișan, G. *The impact of consuming technologically processed functional foods enriched/fortified with (poly)phenols on cardiometabolic risk factors: a systematic review of randomized controlled trials*. *Critical Reviews in Food Science and Nutrition* 2024, 1-17, DOI 10.1080/10408398.2023.2286475, ISSN 1040-8398, FI = 10,2, autor corespondent.
2. Moldovan C; Frumuzachi O; Babotă M; Pinela J; Barros L; Rocchetti G; López V; Lucini L; Crisan G; **Mocan A.** *Untargeted phytochemical profiling and biological activity of small yellow onion (*Allium flavum*) from different regions of Romania*. *Food Chemistry*. 2023, 136503, DOI 10.1016/j.foodchem.2023.136503, ISSN 0308-8146, FI = 8.80, autor corespondent.
3. Nicolescu A, Babotă M, Barros L, Rocchetti G, Lucini L, Tanase C, **Mocan A**, Bunea CI, Crișan G. *Bioaccessibility and bioactive potential of different phytochemical classes from nutraceuticals and functional foods*. *Frontiers in Nutrition* 2023 Jul 27;10:1184535, DOI 10.3389/fnut.2023.1184535, ISSN 2296-861X, FI = 5.00, autor corespondent.
4. M. Babotă, O. Frumuzachi, A. Nicolescu, I. Ielciu, R. Păltinean, G. Crișan, **A. Mocan.** *Bioactive Phenolic Compounds from Mushrooms*, în: *Edible fungi: chemical composition, nutrition and health effects* (editori Stojković D., Barros L.), The Royal Society of Chemistry, 2022, pag. 139-160, ISBN 978-1-83916-401-9.
5. Babota, M; Frumuzachi, O; Gavan, A; Iacovita, C; Pinela, J; Barros, L; Ferreira, ICFR; Zhang, LL; Lucini, L; Rocchetti, G; Tanase, C; Crisan, G; **Mocan, A.** *Optimized ultrasound-assisted extraction of phenolic compounds from *Thymus comosus* Heuff. ex Griseb. et Schenk (wild thyme) and their bioactive potential*. *Ultrasonics Sonochemistry*. 2022, 84, 105954, DOI 10.1016/j.ultsonch.2022.105954, ISSN 1350-4177, FI = 8.40, autor corespondent.
6. Nicolescu, A; Babota, M; Ilea, M; Dias, MI; Calhelha, RC; Gavrilaș, L; Rocchetti, G; Crisan, G; **Mocan, A**; Barros, L; Parvu, AE. *Potential therapeutic applications of infusions and hydroalcoholic extracts of Romanian glutinous sage (*Salvia glutinosa* L.)*. *Frontiers in Pharmacology*. 2022, 13, 975800, DOI 10.3389/fphar.2022.975800, ISSN 1663-9812, FI = 5.60, autor corespondent.
7. L. Colobățiu, L. Gavrilaș, A. Mocan. *Natural compounds as chemosensitizers: A lesson from plants*, în: *Cancer Sensitizing Agents for Chemotherapy*, 2021, ELSEVIER, pag. 147-165, ISBN 978-0-12-820701-7.
8. Babotă, M.; Voștinaru, O.; Păltinean, R.; Mihali, C.; Dias, M.I.; Barros, L.; Ferreira, I.C.F.R.; **Mocan, A.**; Crișan, O.; Nicula, C.; et al. *Chemical Composition, Diuretic, and Antityrosinase Activity of Traditionally Used Romanian Cerasorum Stipites*. *Front. Pharmacol.* 2021, 12, DOI 10.3389/fphar.2021.647947, ISSN 1663-9812, FI = 5.988, autor corespondent.

9. Atanasov, A.G.; Zotchev, S.B.; Dirsch, V.M.; Orhan, I.E.; Banach, M.; Rollinger, J.M.; Barreca, D.; Weckwerth, W.; Bauer, R.; Bayer, E.A.; **Mocan, A.**; et al. *Natural Products in Drug Discovery: Advances and Opportunities*. Nat. Rev. Drug Discov. 2021, 20, 200–216, DOI 10.1038/s41573-020-00114-z, ISSN 1474-1776, FI = 112,288.
10. Raclariu, A.C.; **Mocan, A.**; Popa, M.O.; Vlase, L.; Ichim, M.C.; Crisan, G.; Brysting, A.K.; de Boer, H. *Veronica officinalis Product Authentication Using DNA Metabarcoding and HPLC-MS Reveals Widespread Adulteration with Veronica chamaedrys*. Front. Pharmacol. 2017, 8, DOI 10.3389/fphar.2017.00957, ISSN 1663-9812, FI = 3,831.

2. Teza de doctorat

Titlul tezei: *Lycium barbarum* L. and *Schisandra chinensis* (Turcz.) Baill – phytochemical and biological activity characterization (*Lycium barbarum* L. și *Schisandra chinensis* (Turcz.) Baill – caracterizare fitochimică și activitate biologică), anul susținerii: 2017, conducător științific: Prof. dr. Radu Oprean, instituția eliberatoare: Universitatea de Medicină și Farmacie „Iuliu Hațieganu” Cluj-Napoca, România, calificativul: excelent/summa cum laude.

3. Cărți și capitole în cărți

- a. **Cărți de specialitate apărute în edituri internaționale/edituri recunoscute CNCS-UEFISCDI – editor**
 1. M. Locatelli, S. Carradori, **A. Mocan** (editori), *Innovative Extraction Techniques and Hyphenated Instrument Configuration for Complex Matrices Analysis*, MDPI, Basel, Elveția, 2019, 308 pg, ISBN 978-3-03921-084-8.
 2. **A. Mocan**, G. Crișan, G. Sokovic, A.N. Shikov (editori), *Ethnopharmacology of Eastern European Countries*, Frontiers Media SA, Lausanne, Elveția, 2021, 222 pg, ISBN 978-2-88974-039-0.
- b. **Cărți de specialitate apărute în edituri internaționale/edituri recunoscute CNCS-UEFISCDI – autor principal (casetă CIP)**
 3. G. Crișan, C. Ștefănescu, I. Ielciu, **A. Mocan**, *Botanică farmaceutică: Identificarea micro- și macroscopică a speciilor vegetale*, Editura Medicală Universitară "Iuliu Hațieganu" Cluj-Napoca, 2013, 323 pg, ISBN 978-973-693-544-2, cod CNCS 146.
 4. G. Crișan, C. Ștefănescu, I. Ielciu, **A. Mocan**, *Botanică farmaceutică: Identificarea micro- și macroscopică a speciilor vegetale*, Editura Medicală Universitară "Iuliu Hațieganu" Cluj-Napoca, 2022, 324 pg, ISBN 978-606-075-081-9, cod CNCS 146.
- c. **Capitole în tratate/cărți de specialitate/volume colective apărute în edituri internaționale/edituri recunoscute CNCS-UEFISCDI – co-autor**
 5. G. Zengin, **A. Mocan**, S. Uysal, R. Ceylan, G. Crișan, A. Aktumsek, *A Review of Phenolic Compounds from Medicinal Plants and Nutraceuticals, and Their Characterization by*

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Different Antioxidant Assays, în: *Analytical chemistry developments, Applications and challenges in food analysis* (editori Locatelli M., Celia C.), Nova Science Publishers, Inc. New York, 2013, pag. 77-103, ISBN 978-1-53612-267-1.

6. C. Ștefănescu, G. Balica, I. Ielciu, **A. Mocan**, A.-M. Gheldiu, G. Crișan, *Potențialul terapeutic al bacteriofagilor în infecțiile cu bacterii rezistente la antibiotice*, în: *Medicamentele secolului XXI și terapii moderne* (coordonator Oniga O.), Editura Medicală Universitară „Iuliu Hațieganu” Cluj-Napoca, 2019, pag. 217-298, ISBN 978-973-693-896-2, cod CNCS 146.

7. A. Kabir, **A. Mocan**, M. Santoleri, M. De Simone, F. Cacciagrano, A. Tartaglia, H. I. Ulusoy, M. Locatelli. *Analysis of monophenols*, în: *Recent Advances in Natural Products Analysis* (editori Silva AS, Nabavi SF, Saeedi M, Nabavi SM), ELSEVIER, 2020, pag. 19-37, ISBN 978-0-12-816455-6.

8. A. Kabir, **A. Mocan**, S. Piccolantonio, E. Sperandio, H. I. Ulusoy, M. Locatelli. *Analysis of amines* în: *Recent Advances in Natural Products Analysis* (editori Silva AS, Nabavi SF, Saeedi M, Nabavi SM), ELSEVIER, 2020, pag. 569-591, ISBN 978-0-12-816455-6.

9. I. Ielciu, A.-M. Drăgan, R. Păltinean, **A. Mocan**, G. Crișan. *Inhibitori ai progresiei ciclului celular utilizați în terapia anticanceroasă*, în: *Progrese în terapia, cercetarea și managementul cancerului* (coordonator Oniga O.), Editura Medicală Universitară „Iuliu Hațieganu” Cluj-Napoca, 2020, pag. 138-158, ISBN 978-973-693-959-4, cod CNCS 146.

10. L. Colobățiu, L. Gavrilaș, A. Mocan. *Natural compounds as chemosensitizers: A lesson from plants*, în: *Cancer Sensitizing Agents for Chemotherapy*, 2021, ELSEVIER, pag. 147-165, ISBN 978-0-12-820701-7.

11. R. Păltinean, I. Ielciu, **A. Mocan**, M. Babotă, G. Crișan. *Bazele moleculare ale dermatozelor buloase autoimune*, în: *Terapia unor afecțiuni cutanate din perspective farmaceutice și medicale* (coordonator Oniga O.), Editura Medicală Universitară „Iuliu Hațieganu” Cluj-Napoca, 2022, pag. 134-160, ISBN 978-606-075-062-8, cod CNCS 146.

12. M. Babotă, O. Frumuzachi, A. Nicolescu, I. Ielciu, R. Păltinean, G. Crișan, **A. Mocan**. *Bioactive Phenolic Compounds from Mushrooms*, în: *Edible fungi: chemical composition, nutrition and health effects* (editori Stojković D., Barros L.), The Royal Society of Chemistry, 2022, pag. 139-160, ISBN 978-1-83916-401-9.

4. Articole/studii in extenso, publicate în reviste din fluxul științific internațional principal

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

1. Mihali, C.; Frumuzachi, O.; Nicolescu, A.; Babotă, M.; Păltinean, R.; Tanase, C.; **Mocan, A.** *Valorization of Corn Silk as an Agricultural By-Product through the Optimization of Ultrasound-Assisted Extraction*. *Appl. Sci.* 2024, 14, 1516, DOI 10.3390/app14041516, ISSN 2076-3417, FI = 2,70, autor corespondent

2. Frumuzachi, O.; Babotă, M.; Miere, D.; **Mocan, A.**; Crișan, G. *The impact of*

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consuming technologically processed functional foods enriched/fortified with (poly)phenols on cardiometabolic risk factors: a systematic review of randomized controlled trials. *Critical Reviews in Food Science and Nutrition* 2024, 1-17, DOI 10.1080/10408398.2023.2286475, ISSN 1040-8398, FI = 10,2, autor corespondent

3. Babotă, M.; Frumuzachi, O.; Nicolescu, A.; Dias, M.I.; Pinela, J.; Barros, L.; Añibarro-Ortega, M.; Stojković, D.; Carević, T.; **Mocan, A.**; López, V.; Crișan, G. *Thymus Species from Romanian Spontaneous Flora as Promising Source of Phenolic Secondary Metabolites with Health-Related Benefits*. *Antioxidants* 2023, 12: 390, DOI 10.3390/antiox12020390, ISSN 2076-3921, FI = 7.00, autor corespondent

4. Babotă M; Frumuzachi O; Nicolescu A; Stojković D; Soković M; Rocchetti G; Zhang L; Lucini L; Crișan G; **Mocan A**; Voștinaru O. *Phenolic profile, in vitro antimicrobial and in vivo diuretic effects of endemic wild thyme Thymus comosus Heuff ex. Griseb. (Lamiaceae) from Romania*. *Front. Pharmacol.* 2023, 14:1115117, DOI 10.3389/fphar.2023.1115117, ISSN 1663-9812, FI = 5.60, autor corespondent

5. Moldovan C; Frumuzachi O; Babotă M; Pinela J; Barros L; Rocchetti G; López V; Lucini L; Crisan G; **Mocan A**. *Untargeted phytochemical profiling and biological activity of small yellow onion (Allium flavum) from different regions of Romania*. *Food Chemistry*. 2023, 136503, DOI 10.1016/j.foodchem.2023.136503, ISSN 0308-8146, FI = 8.80, autor corespondent

6. Nicolescu A, Babotă M, Barros L, Rocchetti G, Lucini L, Tanase C, **Mocan A**, Bunea CI, Crișan G. *Bioaccessibility and bioactive potential of different phytochemical classes from nutraceuticals and functional foods*. *Frontiers in Nutrition* 2023 Jul 27;10:1184535, DOI 10.3389/fnut.2023.1184535, ISSN 2296-861X, FI = 5.00, autor corespondent

7. **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, DOI 10.3389/fnut.2022.881210, ISSN 2296-861X, FI = 5.0, prim autor

8. Babota, M; Frumuzachi, O; Gavan, A; Iacovita, C; Pinela, J; Barros, L; Ferreira, ICFR; Zhang, LL; Lucini, L; Rocchetti, G; Tanase, C; Crisan, G; **Mocan, A**. *Optimized ultrasound-assisted extraction of phenolic compounds from Thymus comosus Heuff. ex Griseb. et Schenk (wild thyme) and their bioactive potential*. *Ultrasonics Sonochemistry*. 2022, 84, 105954, DOI 10.1016/j.ultsonch.2022.105954, ISSN 1350-4177, FI = 8.40, autor corespondent

9. Nicolescu, A; Babota, M; Zhang, LL; Bunea, CI; Gavrilas, L; Vodnar, DC; **Mocan, A**; Crisan, G; Rocchetti, G. *Optimized Ultrasound-Assisted Enzymatic Extraction of Phenolic Compounds from Rosa canina L. Pseudo-Fruits (Rosehip) and Their Biological Activity*. *Antioxidants*. 2022, 11, 1123, DOI 10.3390/antiox11061123, ISSN 2076-3921, FI = 7.00, autor corespondent

10. Moldovan, C; Frumuzachi, O; Babota, M; Barros, L; **Mocan, A**; Carradori, S; Crisan, G. *Therapeutic Uses and Pharmacological Properties of Shallot (Allium ascalonicum): A Systematic Review*. *Frontiers in Nutrition*. 2022, 9, 903686, DOI 10.3389/fnut.2022.903686,

ISSN 2296-861X, FI = 5.0, autor corespondent

11. Nicolescu, A; Babota, M; Ilea, M; Dias, MI; Calhelha, RC; Gavrilas, L; Rocchetti, G; Crisan, G; **Mocan, A**; Barros, L; Parvu, AE. *Potential therapeutic applications of infusions and hydroalcoholic extracts of Romanian glutinous sage (Salvia glutinosa L.)*. *Frontiers in Pharmacology*. 2022, 13, 975800, DOI 10.3389/fphar.2022.975800, ISSN 1663-9812, FI = 5.60, autor corespondent

12. Moldovan, C.; Frumuzachi, O.; Babotă, M.; Menghini, L.; Cesa, S.; Gavan, A.; Sisea, C.R.; Tanase, C.; Dias, M.I.; Pereira, C.; **Mocan A.**, 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, DOI 10.3390/antiox10101579, ISSN 2076-3921, FI = 7.675, autor corespondent

13. 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, DOI 10.1039/d0fo02783a, ISSN 2042-6496, FI = 6.317, autor corespondent

14. Babotă, M.; Voștinaru, O.; Păltinean, R.; Mihali, C.; Dias, M.I.; Barros, L.; Ferreira, I.C.F.R.; **Mocan, A.**; Crișan, O.; Nicula, C.; et al. *Chemical Composition, Diuretic, and Antityrosinase Activity of Traditionally Used Romanian Cerasorum Stipites*. *Front. Pharmacol.* 2021, 12, DOI 10.3389/fphar.2021.647947, ISSN 1663-9812, FI = 5.988, autor corespondent

15. Orlando, G.; Chiavaroli, A.; Adorisio, S.; Delfino, D. V.; Brunetti, L.; Recinella, L.; Leone, S.; Zengin, G.; Acquaviva, A.; Angelini, P.; **Mocan, A.**; et al. *Unravelling the Phytochemical Composition and the Pharmacological Properties of an Optimized Extract from the Fruit from Prunus mahaleb L.: From Traditional Liqueur Market to the Pharmacy Shelf*. *Molecules* 2021, 26, DOI 10.3390/molecules26154422, ISSN 1420-3049, FI = 4.972, autor corespondent

16. Cenariu, D.; Fischer-Fodor, E.; Țigu, A.B.; Bunea, A.; Virág, P.; Perde-Schrepler, M.; Toma, V.A.; **Mocan, A.**; Berindan-Neagoe, I.; Pinteia, A.; et al. *Zeaxanthin-Rich Extract from Superfood Lycium barbarum Selectively Modulates the Cellular Adhesion and Mapk Signaling in Melanoma versus Normal Skin Cells in Vitro*. *Molecules* 2021, 26, DOI 10.3390/molecules26020333, ISSN 1420-3049, FI = 4.972, autor corespondent

17. **Mocan, A.**; Babotă, M.; Pop, A.; Fizeșan, 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, DOI 10.3390/antiox9060480, ISSN 2076-3921, FI = 6.313, prim autor

18. Pop, C.; Berce, C.; Ghibu, S.; Scurtu, I.; Soritău, O.; Login, C.; Kiss, B.; Stefan, M.G.; Fizesan, I.; Silaghi, H.; **Mocan, A.**; et al. *Effects of Lycium barbarum L. Polysaccharides on Inflammation and Oxidative Stress Markers in a Pressure Overload-Induced Heart Failure Rat Model*. *Molecules* 2020, 25, DOI 10.3390/molecules25030466, ISSN 1420-3049, FI =

4.412, autor corespondent

19. 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, DOI 10.3390/molecules25092187, ISSN 1420-3049, FI = 4.412, autor corespondent

20. **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, DOI 10.3390/molecules24071226, ISSN 1420-3049, FI = 3.267, prim autor

21. Toiu, A.; **Mocan, A.**; Vlase, L.; Pârvu, A.E.; Vodnar, D.C.; Gheldiu, A.M.; Moldovan, C.; Oniga, I. *Comparative Phytochemical Profile, Antioxidant, Antimicrobial and in Vivo Anti-Inflammatory Activity of Different Extracts of Traditionally Used Romanian *Ajuga genevensis* L. And *A. reptans* L. (*Lamiaceae*)*. *Molecules* 2019, 24, DOI 10.3390/molecules24081597, ISSN 1420-3049, FI = 3.267, prim autor (cu contribuție egală)

22. **Mocan, A.**; Cairone, F.; Locatelli, M.; Cacciagrano, F.; Carradori, S.; Vodnar, D.C.; Crișan, 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, DOI 10.3390/antiox8110562, ISSN 2076-3921, FI = 5.014, prim autor

23. Tanase, C.; **Mocan, A.**; Coșarcă, S.; Gavan, A.; Nicolescu, A.; Gheldiu, A.M.; Vodnar, D.C.; Muntean, D.L.; Crișan, O. *Biological and Chemical Insights of Beech (*Fagus Sylvatica* L.) Bark: A Source of Bioactive Compounds with Functional Properties*. *Antioxidants* 2019, 8, DOI 10.3390/antiox8090417, ISSN 2076-3921, FI = 5.014, prim autor (cu contribuție egală)

24. Wang, D.; Bădărău, 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, DOI 10.3389/fpls.2019.00834, ISSN 1664-462X, FI = 4.402, autor corespondent

25. 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, DOI 10.3389/fphar.2019.00466, ISSN 1663-9812, FI = 4.225, autor corespondent

26. Gligor, O.; **Mocan, A.**; Moldovan, C.; Locatelli, M.; Crișan, G.; Ferreira, I.C.F.R. *Enzyme-Assisted Extractions of Polyphenols – A Comprehensive Review*. *Trends Food Sci. Technol.* 2019, 88, 302–315, DOI 10.1016/j.tifs.2019.03.029, ISSN 0924-2244, FI = 11.077, autor corespondent

27. **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, DOI 10.1016/j.fct.2017.08.009, ISSN 0278-6915, FI = 3.775,

prim autor

28. **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, DOI 10.1016/j.fct.2017.08.004, ISSN 0278-6915, FI = 3.775, prim autor
29. Rusu, M.E.; Gheldiu, A.M.; **Mocan, A.**; Moldovan, C.; Popa, D.S.; Tomuta, I.; Vlase, L. *Process Optimization for Improved Phenolic Compounds Recovery from Walnut (Juglans regia L.) Septum: Phytochemical Profile and Biological Activities*. Molecules 2018, 23, DOI 10.3390/molecules23112814, ISSN 1420-3049, FI = 3.060, autor corespondent
30. **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, DOI 10.1039/c7fo01514c, ISSN 2042-6496, FI = 3.241, prim autor
31. **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, DOI 10.1016/j.fct.2018.04.045, ISSN 0278-6915, FI = 3.775, prim autor
32. **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, DOI 10.1016/j.fct.2018.01.054, ISSN 0278-6915, FI = 3.775, prim autor
33. Toiu, A.; **Mocan, A.**; Vlase, L.; Pârveu, A.E.; Vodnar, D.C.; Gheldiu, A.M.; Moldovan, C.; Oniga, I. *Phytochemical Composition, Antioxidant, Antimicrobial and in Vivo Anti-Inflammatory Activity of Traditionally Used Romanian Ajuga laxmannii (Murray) Benth. ("nobleman's Beard" - Barba Împăratului)*. Front. Pharmacol. 2018, 9, DOI 10.3389/fphar.2018.00007, ISSN 1663-9812, FI = 3.845, prim autor (cu contribuție egală)
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