

PORTOFOLIU CU LUCRĂRI ȘTIINȚIFICE (MAXIM 10 LUCRĂRI)

Dr. chim. DUMITRIU (căș. FIERĂSCU) IRINA

1. Fierascu R.C., **Fierascu I.**, Lungulescu E.M., Nicula N., Somoghi R., Dițu L. M., Ungureanu C., Sutan A. N., Drăghiceanu O.A., Paunescu A., Soare L.C., *Phytosynthesis and radiation-assisted methods for obtaining metal nanoparticles*, Journal of Materials Science, 1-18, (2019), 10.1007/s10853-019-03713-3, in press, **FI=2.993 (autor correspondent)**

2. Sutan N.A., Vilcoci D., **Fierascu I.**, Neblea A.M., Sutan C., Ducu C., Soare L.C., Negrea D., Avramescu S.M., Fierascu R. C., *Influence of the phytosynthesis of noble metal nanoparticles on the cytotoxic and genotoxic effects of Aconitum toxicum Reichenb. leaves alcoholic extract*, Journal of Cluster Science, (2019), 10.1007/s10876-019-01524-9, 30(3), pp. 647-660, **FI=1.715 (autor corespondent)**

3. Fierascu R. C., **Fierascu I.**, Ortan A., Fierascu I. C., Anuta V., Velescu B. S., Pituru S. M., Pirvu-Dinu E. C., Leonurus cardiaca L. as a source of bioactive compounds: an update of the European Medicines Agency assessment report (2010), BioMed Research International, Article number 4303215, 14 pag, **IF=2.583 (autor corespondent)**

4. **Fierascu I.**, Dinu-Pirvu C.E., Fierascu R.C., Velescu B.S., Anuta V., Ortan A., Jinga V., *Phytochemical profile and biological activities of Satureja hortensis L.: a review of the last decade*, Molecules, (2018), 23(10), E2458, <https://doi.org/10.3390/molecules23102458>, WOS:000451201400054, **FI=3.098 (autor principal)**

5. Fierascu R.C., Ortan A., Fierascu I. C., **Fierascu I.**, *In vitro and in vivo evaluation of antioxidant properties of wild-growing plants. A short review*, Current Opinion in Food Science, (2018), 24, 1-8, <https://doi.org/10.1016/j.cofs.2018.08.006>, Top 25%, WOS:000452811700002, **FI=3.734 (autor corespondent)**

6. Fierascu R.C., Georgiev M.I., **Fierascu I.**, Ungureanu C., Avramescu S.M., Ortan A., Georgescu M. I., Sutan A. N., Zanfirescu A., Dinu-Pirvu C. E., Velescu B.S., Anuta V., *Mitodepressive, antioxidant, antifungal and anti-inflammatory effects of wild-growing Romanian native Arctium lappa L. (Asteraceae) and Veronica persica Poiret (Plantaginaceae)*, Food and Chemical Toxicology, (2018), 111, 44–52, <https://doi.org/10.1016/j.fct.2017.11.008>, Top 25%, WOS:000423248100005, **FI=3.977 (autor corespondent)**

7. **Fierascu I.**, Ungureanu C., Avramescu S.M., Cimpeanu C., Georgescu M. I., Fierascu R.C., Ortan A., Sutan A. N., Anuta V., Zanfirescu A., Dinu-Pirvu C.E., Velescu B. S., *Genoprotective, antioxidant, antifungal and anti-inflammatory evaluation of hydroalcoholic extract of wild-growing Juniperus communis L. (Cupressaceae) native to Romanian southern sub-Carpathian hills*, BMC Complementary and Alternative Medicine, (2018), 18:3, <https://doi.org/10.1186/s12906-017-2066-8>, WOS:000419623100001, **FI=2.288 (autor principal)**

8. Fierascu I., Georgiev M.I., Ortan A., Fierascu R. C., Avramescu S. M., Ionescu D., Sutan A., Brinzan A., Ditu L.M., *Phyto-mediated metallic nanoarchitectures via Melissa officinalis L.:*

synthesis, characterization and biological properties, Scientific Reports, (2017), 7:12428, <http://doi.org/10.1038/s41598-017-12804-7>, Top 25% WOS:000413526600001, **FI=4.122 (autor principal)**

9. Sutan N.A., Fierascu I., Fierascu R.C., Manolescu D.S., Soare L.C., *Comparative analytical characterization and in vitro citogenotoxic activity evaluation of Asplenium scolopendrium L. leaves and rhizome extracts prior to and after Ag nanoparticles phytosynthesis*, Industrial Crops and Products, (2016), 83C, 379-386, <http://dx.doi.org/10.1016/j.indcrop.2016.01.011>, Top 25% atât la momentul publicării cât și la data înscrierii; WOS:000370894000048, **FI=3.849**

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14.06.2019

