

A N E X A 4 . I

Nume Prenume: Stoica Anca-Daniela

Gradul didactic: Șef lucrări

Instituția unde este titular: Universitatea Babeș-Bolyai

Facultatea:

Departamentul:

L I S T A
lucrărilor științifice în domeniul disciplinelor din postul didactic**A. Teza de doctorat**Evaluarea potențialului antioxidant la extracte vegetale din specii de *Plantago*, *Galium* și *Hypericum*".**B. Cărți și capitole în cărți publicate în ultimii 10 ani**

1.

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

- 1) Toth S.H., **Stoica A.D.***, Sevcencu C., Redesigning ibuprofen for improved oral delivery and potential side effects, ACS Bioconjugate chemistry, 2025, (<https://pubs.acs.org/doi/full/10.1021/acs.bioconjchem.4c00558>).
- 2) Anca E., Sabău F., Vădan A., Marinescu M., Licărete E., Roșioru C., Stoica A.D., Dobre C., Banciu M., Assessment of circulating biomarkers in a rat model of doxorubicin-induced cardiotoxicity, Studia Universitatis Babeș-Bolyai Biologia, 2024, 69(2) (<https://studiabiologia.reviste.ubbcluj.ro/index.php/studiabio/article/view/214>).
- 3) **Stoica A.D.**, Sevastre B., Suciuc M., Parvu A.E., Parvu M., Toma A.V., Roman, I., Dobre C., Chemopreventive effects of *Plantago sempervirens* Crantz extract on ovarian structure and folliculogenesis, Applied Sciences, 2023, 13(5), 3134 (<https://www.mdpi.com/2076-3417/13/5/3134>).
- 4) Dascălu, R. I., Bolocan, A., Păduaru, D. N., Constantinescu, A., Mitache, M. M., **Stoica, A. D.**, Andronic, O. (2023). Multidrug resistance in Helicobacter pylori infection, *Frontiers in Microbiology*, 2023, 14, 1128497 (<https://www.frontiersin.org/articles/10.3389/fmicb.2023.1128497/full>).
- 5) **Stoica A.D.**, Toma V.A., Roman I., Sevastre B., Scurtu F., Silaghi-Dumitrescu R., Glutaraldehyde-polimerized hemerythrin: evaluation of performance as an oxygen carrier in hemorrhage models, Bioinorganic Chemistry and Application, 2022, 1-6 (<https://www.hindawi.com/journals/bca/2022/2209101/>).
- 6) **Stoica A.D.**, Dobre C., Natural strategies of preventing anthracycline-induced cardiotoxicity – a review, Studia UBB Biologia, 67(2), 5-14 (<https://studiabiologia.reviste.ubbcluj.ro/index.php/studiabio/issue/view/14/94>).
- 7) A.B. Țigu, C.S. Moldovan, V.A. Toma, **A.D. Farcaș**, A.C. Moț, A. Jurj, E. Fischer-Fodor, C. Mircea, M. Părvu, Phytochemical Analysis and In Vitro Effects of *Allium fistulosum* L. and *Allium sativum* L. Extracts on Human

- Normal and Tumor Cell Lines: A Comparative Study, *Molecules*, 2021, 26(3), 574 (<https://www.mdpi.com/1420-3049/26/3/574>).
- 8) **A.D. Farcaș**, V.A. Toma, I. Roman, B. Sevastre, F. Scurtu, R. Silaghi-Dumitrescu, Glutaraldehyde-polymerized hemoglobin: In search of improved performance as oxygen carrier in hemorrhage models, vol. 2020, 2020, 1-11(<https://www.hindawi.com/journals/bca/2020/1096573/>).
- 9) R. Silaghi-Dumitrescu, C. Gruian, C. Pușcaș, A. Simon, E. Fischer-Fodor, V.A. Toma, **A. Farcaș**, I. Roman, V.F. Scurtu, A.A.A. Attia, G. Damian, Spin labelled hemoglobin-based oxygen carriers (HBOC): preparation and evaluation of in vivo/in vitro stability, *Studia UBB Chemia*, 65(2), 121-132 (http://chem.ubbcluj.ro/~studiachemia/chemia2020_2.html).
- 10) **A. Farcaș**, A. Mot, C. Zegrean-Tuza, L. Vlase, A.M. Gheldiu, M. Pârvu, EPR fingerprinting and antioxidant response of four selected *Plantago* species, 2020, *Studia UBB Chemia*, 65(2), 209-220 (http://chem.ubbcluj.ro/~studiachemia/chemia2020_2.html).
- 11) **A. Farcaș**, A. Mot, C. Zegrean-Tuza, M. Ticolea, B. Sevastre, M. Kulak, R. Silaghi-Dumitrescu, A. Parvu, Remarkable rutin-rich *Hypericum capitatum* extract exhibits anti-inflammatory effects on turpentine oil-induced inflammation in rats, *BMC Complementary and Alternative Medicine*, 19, 289, 2019 (<https://link.springer.com/article/10.1186/s12906-019-2680-8>).
- 12) V. Toma, B.A. Tigiu, **Farcaș, A.**, B. Sevastre, M. Taulescu, A.M.R. Gherman, I. Roman, E. Fischer-Fodor, M. Parvu, New Aspects Towards a Molecular Understanding of The Allicin Immunostimulatory Mechanism via Colec12, MARCO and SCARB1 Receptors, 2019, *International Journal of Molecular Sciences*, 20(15), 3627 (<https://www.mdpi.com/1422-0067/20/15/3627>).
- 13) **Farcaș, A.D.**, Moț, A.C., Pârvu, A.E., Toma, V.A., Popa, M.A., Mihai, C.A., Sevastre, B., Roman, I., Vlase, L., Pârvu, M., In Vivo Pharmacological and Anti-inflammatory Evaluation of Xerophyte *Plantago sempervirens* Crantz, 2019, *Oxidative Medicine and Cellular Longevity*, 1-13 (<https://www.hindawi.com/journals/omcl/2019/5049643/abs/>).
- 14) **Farcaș, A.D.**, Toma, V.A., F. Crisan, Dume, B., Roman I., The down-regulation outcome of wild European apple (*Malus sylvestris* (L.) Mill.) extract on a series of biochemical markers during oxidative stress, *Annals of The Romanian Society for Cell Biology*, 2018, 22(2), 34-41 (<http://www.annalsofrscb.ro/numar%20in%20curs/22%202/farcas5.pdf>).
- 15) Toma, V.A., Dume, B., **Farcaș, A.D.**, Roman, I., The antioxidants are not enough. *Malus sylvestris* (L.) Mill. Extract enhances the carbon tetrachloride liver toxicity in albino rats, *Annals of The Romanian Society for Cell Biology*, 2018, 22(2), 26-33 (http://www.annalsofrscb.ro/numar%20in%20curs/22%202/vlad4_1.pdf).
- 16) **Farcaș, A.D.**, Mot, A.C., Zegrean-Tuza, C., Toma, V., Cimpoiu, C., Hosu, A., Parvu, M., Roman, I., Silaghi-Dumitrescu, R., 2018. Chemo-mapping and biochemical-modulatory and antioxidant/prooxidant effect of galium verum extract during acute restraint and dark stress in female rats. *PLoS One* 13, 1–18. doi:10.1371/journal.pone.0200022 (<https://www.ncbi.nlm.nih.gov/pubmed/29969484>).
- 17) Toma, V.A*, **Farcaș, A.D.***, Roman, I., Sevastre, B., Hathazi, D., Scurtu, F., Damian, G., Silaghi-Dumitrescu, R., In vivo evaluation of hemerythrin-based oxygen carriers: similarities with hemoglobin-based counterparts. *Int. J. Biol. Macromol.*, S0141-8130 (17), 31756-7, 2017 (<http://www.science-direct.com/science/article/pii/S0141813017317567>).

- 18) Toma, V.*, **Farcaș, A.***, Roman, I., Sevastre, B., Hathazi, D., Scurtu, F., Damian, G., Silaghi-Dumitrescu, R. Comparative in vivo effects of hemoglobin-based oxygen carriers (HBOC) with varying prooxidant and physiological reactivity. PloS ONE, 11(4), 2016, 1-16 (<https://www.ncbi.nlm.nih.gov/pubmed/27097326>).
- 19) Toma, VA, **Farcaș, A.**, Parvu, M., Silaghi-Dumitrescu, R., Roman, I. CA3 hippocampal field: Cellular changes and its relation with blood nitro-oxidative stress reveal a balancing function of CA3 area in rats exposed to repeated restraint stress. Brain Res Bull., 130, 2017, 10-17 (<https://www.ncbi.nlm.nih.gov/pubmed/28013041>).
- 20) Vlad Al. Toma, **Anca D. Farcaș**, Ioana Roman, Florina Scurtu-Deac, Radu Silaghi-Dumitrescu. In vivo tests of cell-free hemoglobin-based blood substitutes candidates: histopathological characterization. Rev Romana Med Lab-Supliment 24(1), 2016, 88-89 (http://www.rml.ro/articole/2016/2016_1_supliment.pdf).
- 21) Roman, I., Toma, V., **Farcaș, A.**, Protective effects of *Gallium verum* L., extract on the hypothalamic – pituitary – adrenal axis under anakinetic stress conditions, in rats. Histological aspects. Studia Universitatis "Vasile Goldiș", 25(3), 2015, 207-214 (<http://www.studiauniversitatis.ro/pdf/25-2015/25-3-2015/10-25-3-%20I.R.-%20207-%20214.pdf>).
- 22) Toma, V.A., Filip, A., **Farcaș, A.**, Mirescu, C.Ș., Roșioru, C.L., Effect of hyoscine N-butylbromide on the skeletal muscle contraction in Wistar rat - a few physiological aspects, Annals of Romanian Society of Cell Biology, 18(2), 2013, 123-128 (<http://www.annalsofrscb.ro/numar%20in%20curs/18%202/18.pdf>).

D. Lucrări publicate în ultimii 10 anii în reviste și volume de conferințe cu referenți (neindexate)

- Reviste

1.

- Selecție cu maximum 20 lucrări în volume de conferințe

1.

E. Brevete obținute în întreaga activitate

1.

Data:

06.05.2025

Semnătura:



E – Brevete (pentru întreaga activitate)