

LISTA DE LUCRĂRI ȘTIINȚIFICE**Articole publicate în reviste cotate ISI:**

1. Selaru A., Herman H., Vlasceanu G.M., Dinescu S., Gharbia S., Balta C., Rosu M., Mihali C.V., Ionita M., Serafim A., Iovu H., Hermenean A., Costache M. **2022**. Graphene–Oxide Porous Biopolymer Hybrids Enhance In Vitro Osteogenic Differentiation and Promote Ectopic Osteogenesis In Vivo. *Int. J. Mol. Sci.*, 23, 491. <https://doi.org/10.3390/ijms23010491>, IF= 5,923 (2020)
2. Hudita A., Radu I. C., Galateanu B., Ginghina O., Herman H., Balta C., Rosu M., Zaharia C., Costache M., Tanasa E., Velonia K., Tsatsakis A., Hermenean, A. **2021**. Bioinspired silk fibroin nano-delivery systems protect against 5-FU induced gastrointestinal mucositis in a mouse model and display antitumor effects on HT-29 colorectal cancer cells in vitro. *Nanotoxicology*, 15(7):973-994. doi:10.1080/17435390.2021.1943032, IF= 5,913 (2020)
3. Vicas S.#, Laslo V., Timar A., Balta C., Herman H.#, Ciceu A., Gharbia S., Rosu M., Mladin B., Fritea L., Cavalu S., Cotoraci C., Prokisch J., Puschita M., Pop C., Miutescu E., Hermenean A. **2021**. Functional Food Product Based on Nanoselenium-Enriched *Lactobacillus casei* against Cadmium Kidney Toxicity. *Appl. Sci.*, 11, 4220. <https://doi.org/10.3390/app11094220>, IF=2,47 (2019)
4. Vicas S.#, Laslo V., Timar A.V., Balta C., Herman H.#, Ciceu A., Gharbia S., Rosu M., Mladin B., Chiana L., Prokisch J., Puschita M., Miutescu E., Cavalu S., Cotoraci C., Hermenean A. **2021**. Nano Selenium—Enriched Probiotics as Functional Food Products against Cadmium Liver Toxicity, *Materials*, 14, 2257. <https://doi.org/10.3390/ma14092257>, IF=3,057 (2019)
5. Stan M.S., Voicu S.N., Caruntu S., Nica I.C., Olah N.K., Burtescu R., Balta C., Rosu M., Herman H., Hermenean A., Dinischiotu A. **2019**. Antioxidant and Anti-Inflammatory Properties of a *Thuja occidentalis* Mother Tincture for the Treatment of Ulcerative Colitis. *Antioxidants*, 8(9). pii: E416. DOI: 10.3390/antiox8090416, IF= 4.52
6. Grumezescu A.M., Stoica A.E., Dima-Bălcescu M.Ș., Chircov C., Gharbia S., Baltă C., Roșu M., Herman H., Holban A.M., Ficaș A., Vasile B.S., Andronescu E., Chifiriuc M.C., Hermenean A. **2019**. Electrospun Polyethylene Terephthalate Nanofibers Loaded with Silver Nanoparticles: Novel Approach in Anti-Infective Therapy. *Journal of Clinical Medicine*, 8(7). pii: E1039. DOI: 10.3390/jcm8071039, IF= 5.688
7. Balta C., Ciceu A., Herman H., Rosu M., Boldura O.M., Hermenean A. **2018**. Dose-Dependent Antifibrotic Effect of Chrysin on Regression of Liver Fibrosis: The Role in Extracellular Matrix Remodeling. *Dose Response*, 16(3): 1559325818789835. IF=2.451

8. Gharbia S., Balta C., Herman H., Rosu M., Váradi J., Bácskay I., Vecsernyés M., Gyöngyösi Sz., Fenyvesi F., Voicu S.N., Stan M.S., Cristian R.E., Dinischiotu A., Hermenean A. **2018**. Enhancement of Silymarin Anti-fibrotic Effects by Complexation With Hydroxypropyl (HPBCD) and Randomly Methylated (RAMEB) β -Cyclodextrins in a Mouse Model of Liver Fibrosis. *Frontiers in Pharmacology*, 9:883. doi: 10.3389/fphar.2018.00883. IF=3.845
9. Anghel N., Herman H., Balta C., Rosu M., Stan M.S., Nita D., Ivan A., Galajda Z., Ardelean A., Dinischiotu A., Hermenean A. **2017**. Acute cardiotoxicity induced by doxorubicin in right ventricle is associated with increase of oxidative stress and apoptosis in rats. *Histology and Histopathology*, 33: 365-378, IF=2.015
10. Hermenean A., Codreanu A., Herman H., Rosu M., Mihali C.V., Ivan A., Dinescu S., Ionita M., Costache M. **2017**. Chitosan-graphene oxide 3D scaffolds as promising tools for bone regeneration in critical-size mouse calvarial defects, *Scientific Reports*, Article number:16641, doi: 10.1038/s41598-017-16599-5, IF=4.122
11. Balta C., Herman H., Rosu M., Cotoraci C., Ivan A., Folk A., Duka R., Dinescu S., Costache M., Petre A., Hermenean A. **2016**. Homeostasis of blood parameters and inflammatory markers analysis during bone defect healing after scaffolds implantation in mice calvaria defects, *Romanian Biotechnological Letters*, 22(6): 12018-12025, IF=0.396
12. Balta C., Herman H., Boldura O.M., Gasca I., Rosu M., Ardelean A., Hermenean A. **2015**. Chrysin attenuates liver fibrosis and hepatic stellate cell activation through TGF- β /Smad signaling pathway, *Chemico-Biological Interactions* 240 (2015) 94-101, IF=2.618
13. Sasu A., Herman H., Mariasiu T., Rosu M., Balta C., Anghel N., Miutescu E., Cotoraci C., Hermenean A. **2015**. Protective effects of silymarin on epirubicin - induced mucosal barrier injury of the gastrointestinal tract, *Drug and Chemical Toxicology*, 38(4): 442-451, IF=1,653

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1. Sasu A., Herman H., Folk A., Balta C., Rosu M., Miutescu E., Hermenean A., Cotoraci C. **2016**. Protective effects of silymarin on epirubicin-induced hepatotoxicity in mice, *Studia Universitatis Vasile Goldis, Seria Stiintele Vietii*, vol 26, issue 3, p 305-316.

Proceeding-uri publicate în volumele unor conferințe cotate ISI:

1. Balta C., Herman H., Gasca I., Onita B., Rosu M., Ardelean A., Hermenean A. Chrysin attenuates liver fibrosis and hepatic stellate cell activation through TGF- β signaling pathway. *FEBS Journal*, **2015**, vol. 282, suppl. 1, 192, IF= 4.237

PARTICIPĂRI LA CONFERINTE INTERNAZIONALE

1. Anti-inflammatory effect of *Thuja occidentalis* extract on TNBS-induced ulcerative colitis in mice, Caruntu S., Balta C., Herman H., Rosu M., Stan M., Petrache Voicu S. N., Olah N. K., Ardelean A., Dinischiotu A., Hermenean A., 28th Academic Days of Arad, Arad, Romania, 23 - 25 mai **2018** (prezentare orală)
2. Hydroxypropyl (HPBCD) and randomly methylated (RAMEB) β -cyclodextrin inclusion complexes enhances anti-fibrotic effects of silymarin in a mouse model of liver fibrosis, Gharbia S., Balta C., Herman H., Rosu M., Váradi J., Bácskay I., Vecsernyés M., Fenyvesi F., Voicu S. N., Stan M. S., Cristian R. E., Dinischiotu A., Hermenean A., 28th Academic Days of Arad, Arad, Romania, 23 - 25 mai **2018** (prezentare orală)
3. Design of β -cyclodextrin delivery systems to enhance silymarin hepatoprotective activity in CCl₄-induced liver fibrosis in mice, Gharbia S., Balta C., Herman H., Rosu M., Stan M., Voicu S., Dinischiotu A., Fenyvesi F., Hermenean A., World Congress of Traditional & Alternative Medicine, 19-21 iunie **2017**, Valencia, Spania (prezentare orală)
4. Acute cardiotoxicity induced by doxorubicin in right ventricle is associated with increase of oxidative stress and apoptosis in rats, Anghel N., Herman H., Balta C., Rosu M., Galajda Z., Ardelean A., Hermenean A., 27th Academic Days of Arad, Arad, Romania, 18 - 21 mai **2017** (prezentare orală)
5. Evaluation of bone regeneration in critical-sized mouse calvarial defects implanted with chitosan – grapheme oxide porous 3D scaffolds. Hermenean A., Ivan A., Dinescu S., Herman H., Balta C., Rosu M., Mihali C., Pandele M., Ionita M., Costache M., 26th Academic Days of Arad, Arad, Romania, 18 - 21 mai **2016** (prezentare orală)
6. Therapeutic potential of chrysin against liver fibrosis in mice: modulation of extracellular matrix. Balta C., Herman H., Rosu M., Ardelean A., Hermenean A., The Spring School of Meristemotherapy, Arad, Romania, 14-16 April **2016** (prezentare orală)
7. Chrysin attenuates liver fibrosis and hepatic stellate cell activation through TGF- β signaling pathway, Balta C., Herman H., Gasca I., Onita B., Rosu M., Ardelean A., Hermenean A., 40th FEBS Congress – The Biochemical Basis of Life, July 4-9, **2015**, Berlin, Germany (prezentare poster)
8. Antifibrotic activity of chrysin in carbon tetrachloride-induced liver damage in mice, Baltă C., Herman H., Boldura O.M., Roșu M., Gâscă I., Ardelean A., Hermenean A. 7th National Congress with International Participation And 33rd Annual Scientific Session of The Romanian Society for Cell Biology, 10-14 June **2015** (prezentare orală)

9. Chrysin attenuates liver fibrosis and hepatic stellate cell activation through TGFb/Smad signaling pathway. Balta C., Herman H., Rosu M., Gasca I., Boldura O.M., Ardelean A., Hermenean A., 25th Academic Days of Arad, Arad, Romania, 13 - 17 mai **2015** (prezentare orală)

10. Protective effects of silymarin on epirubicin-induced mucosal barrier injury of the gastrointestinal tract, Sasu A., Herman H., Mariasiu T., Rosu M, Balta C., Anghel N., Miutescu E., Cotoraci C, Hermenean A., HURO SCIENTIFIC WORKSHOP organizat in cadrul proiectului HURO/1101/173/2.2.1, in 17 decembrie **2014** la Biological Research Centre, Hungarian Academy of Sciences, Szeged, Ungaria (prezentare orală)

11. Antifibrotic activity of silymarin/-cyclodextrins in carbon tetrachloride-induced hepatotoxicity in mice, Balta C., Herman H., Rosu M, Mariasiu T, Hermenean A., The Central and Eastern European Conference on Health and the Environment, May 25–30, **2014**, Cluj-Napoca, Romania (prezentare poster)