



CURRICULUM VITAE EUROPASS

ANNEXES

Prof. univ. dr. Anca Hermenean Publications list

2008

1. Hadaruga D.I., Hadaruga N., **Hermenean A.**, Rivis A., Paslaru V., Codina G. 2008. Bionanomaterials: Thermal Stability of the Oleic Acid / α - and β -cyclodextrin Complexes, *Revista de Chimie (București)*, 59 (9): 994 – 998, 2008, IF=0.389

Q4 CHEMISTRY, MULTIDISCIPLINARY; *Rank in Category: 109 of 140*

Q3 ENGINEERING, CHEMICAL; *Rank in Category: 86 of 128*

Impact factor: 0.552(2009)

2010

2.Radu M., Munteanu M.C., Petrache S., Serban A.I., Dinu D., **Hermenean A.**, Costache M., Dinischiotu A. 2010. Depletion of intracellular glutathione and increase of lipid peroxidation mediate cytotoxicity of hematite nanoparticles in MRC-5 cells, *Acta Biochimica Polonica*, 57 (3): 355-260

Q4 BIOCHEMISTRY & MOLECULAR BIOLOGY; *Rank in Category: 228 of 283*

Impact factor: 1.262 (2009)

3.Munteanu M.C., Radu M., **Hermenean A.**, Sima C., Dinu D., Costache M., Grigoriu G., Dinischiotu A. 2010. Antioxidative response induced by SiO₂ nanoparticles in MRC5 cell line, *Romanian Biotechnological Letters*, 15 (1): 5000-5007, IF=0.219

Q4 BIOTECHNOLOGY & APPLIED MICROBIOLOGY; *Rank in Category: 149 of 152*

Impact factor: 0.152 (2009)

4.Kevorkian S., Gorgescu S., Manea M.A., Zaulet M., **Hermenean A.**, Costache M. 2010. Genetic diversity using microsatellite markers in four Romanian autochthonous sheep breeds, *Romanian Biotechnological Letters*, 15(1): 5059-5065 , IF=0.219

Q4 BIOTECHNOLOGY & APPLIED MICROBIOLOGY; *Rank in Category: 149 of 152*

Impact factor: 0.152 (2009)

5.Xuan T.P., Georgescu S.E., Manea M.A., **Hermenean A.** 2010. Costache M., Genetic diversity and phylogenetic relationships of Romanian cattle breeds inferred from cytochrome b gene partial sequences, *Romanian Biotechnological Letters*, 15 (2): 5154-5158, IF=0.219
Q4 BIOTECHNOLOGY & APPLIED MICROBIOLOGY; Rank in Category: 149 of 152
Impact factor: **0.152 (2009)**

6.Xuan T.P, Georgescu S.E., Manea M.A., **Hermenean A.**, Dinischiotu A., Costache M. 2010. Phylogenetic relationships of Romanian cattle to other cattle populations determined using mitochondrial DNA D-Loop sequence variation, *Romanian Biotechnological Letters*, Vol.15, nr.3, 5288-5293,2010
Q4 BIOTECHNOLOGY & APPLIED MICROBIOLOGY; Rank in Category: 149 of 152
Impact factor: **0.152 (2009)**

2011

7.Dinu D., Bodea G.O., Ceapa C.D., Munteanu M.C., Israel Roming F., **Hermenean A.**, Costache M., Zărnescu O., Dinischiotu A. 2011. Adapted response of the antioxidant defense system to oxidative stress induced by deoxynivalenol in Hek-293 cells, *Toxicon*, 57 (7): 1023-1024, IF=2.508
Q2 PHARMACOLOGY & PHARMACY; Rank in Category: 109 of 261
Q2 TOXICOLOGY; Rank in Category: 35 of 83
Impact factor: **2.451 (2010)**

2012

8.**Hermenean A.**, Popescu C., Ardelean A., Stan M., Hadaruga N., Mihali C.V., Costache M., Dinischiotu A. 2012. Hepatoprotective Effect of Berberis vulgaris L.extract/beta-cyclodextrin on carbon tetrachloride – induced acute toxicity in mice, *International Journal of Molecular Sciences*, 13, 9014-9034
Q2 CHEMISTRY, MULTIDISCIPLINARY; Rank in Category: 45 of 154
Impact factor: **2.598 (2011)**

2013

9.**Hermenean A.**, Ardelean A., Stan M., Herman H., Mihali C.V., Costache M., Dinischiotu A. 2013. Protective effects of naringenin on carbon tetrachloride-induced acute nephrotoxicity in mouse kidney, *Chemico-Biological Interactions*, 205 (2): 138-147
Q2 BIOCHEMISTRY & MOLECULAR BIOLOGY; Rank in Category: 130 of 290
Q2 PHARMACOLOGY & PHARMACY; Rank in Category: 75 of 261
Q2 TOXICOLOGY; Rank in Category: 28 of 85
Impact factor: **2.967 (2012)**

10.Dinescu S., Galateanu B., Albu M., Lungu A., Radu E., **Hermenean A.**, Costache M. 2013. Biocompatibility Assessment of Novel Collagen-Sericin Scaffolds Improved with Hyaluronic Acid and Chondroitin Sulfate for Cartilage Regeneration, *Journal of Biomedicine and Biotechnology (BioMed Research International)*, ID 598056, 11 pages
Q3 BIOTECHNOLOGY & APPLIED MICROBIOLOGY; Rank in Category: 85 of 123
Q3 MEDICINE, RESEARCH & EXPERIMENTAL; Rank in Category: 107 of 163
Impact factor: **1.579 (2012)**

11.Ciobanu C.S., Iconaru S.L., Pasuk I., Vasile B.S., Lupu A.R., **Hermenean A.**, Dinischiotu A., Predoi D. 2013. Structural properties of silver doped hydroxyapatite and their biocompatibility, *Materials Science and Engineering: C-Materials for Biological Applications*, 33 (3):1395-1402, IF=2.736

Q2 MATERIALS SCIENCE, BIOMATERIALS; *Rank in Category: 11 of 27*
Impact factor: 2.404 (2012)

2014

12.**Hermenean A.**, Ardelean A., Stan M., Hadaruga N., Mihali C.V., Costache M., Dinischiotu A. 2014. Antioxidant and Hepatoprotective Effects of Naringenin and Its b-Cyclodextrin Formulation in Mice Intoxicated with Carbon Tetrachloride: A Comparative Study, *Journal of Medicinal Food*, 17(6):670-677, IF= 1.699

Q3 CHEMISTRY, MEDICINAL; *Rank in Category: 40 of 58*

Q2 FOOD SCIENCE & TECHNOLOGY; *Rank in Category: 48 of 123*

Q3 NUTRITION & DIETETICS; *Rank in Category: 54 of 79*

Impact factor: 1.699 (2013)

13.Dinescu S., Ionita M., Pandeale A.M., Galateanu B., Iovu H., Ardelean A., Costache M., **Hermenean A.** 2014. In vitro cytocompatibility evaluation of chitosan/graphene oxide 3D scaffold composites designed for bone tissue engineering, *Bio-Medical Materials and Engineering*, 24: 2249–2256, IF=1.091

Q4 ENGINEERING, BIOMEDICAL; *Rank in Category: 62 of 76*

Q4 MATERIALS SCIENCE, BIOMATERIALS; *Rank in Category: 26 of 32*

Impact factor: 0.847 (2013)

Q3 AIS

14.Stan M.S., Memet I., Sima C., Popescu T., Teodorescu V.S., **Hermenean A.**, Dinischiotu A. 2014. Si/SiO₂ quantum dots cause cytotoxicity in lung cells through redox homeostasis imbalance. *Chemico-Biological Interactions*, 220: 102–115

Q2 BIOCHEMISTRY & MOLECULAR BIOLOGY; *Rank in Category: 133 of 291*

Q2 PHARMACOLOGY & PHARMACY; *Rank in Category: 79 of 256*

Q2 TOXICOLOGY; *Rank in Category: 28 of 87*

Impact factor: 2.982 (2013)

15.Haskó J., Fazakas C., Molnár J., Nyúl-Tóth A., Herman H., **Hermenean A.**, Wilhelm I., Persidsky Y., Krizbai I. 2014. CB2 Receptor Activation Inhibits Melanoma Cell Transmigration through the Blood-Brain Barrier, *International Journal of Molecular Sciences*, 15: 8063-8074, IF= 2.862

Q2 CHEMISTRY, MULTIDISCIPLINARY; *Rank in Category: 52 of 148*

Impact factor: 2.339 (2013)

2015

16.Ionita M., Vasile E., Crica L.E., Voicu S.I., Pandeale A.M., Dinescu S., Predoiu L., Galateanu B., **Hermenean A.**, Costache M. 2015. Synthesis, characterization and in vitro studies of polysulfone /graphene oxide composite membranes, *Composites: Part B*, vol. 72, 108-115, 2015, IF= 3.850

Q1 ENGINEERING, MULTIDISCIPLINARY; *Rank in Category: 5 of 85*

Q1 MATERIALS SCIENCE, COMPOSITES; *Rank in Category: 5 of 124*

Impact factor: 2.983 (2014)

17.Radu (Balas) M, Din (Popescu) IM, **Hermenean A***, Cinteza OL, Burlacu R, Ardelean A, Dinischiotu A. 2015. Exposure to Iron Oxide Nanoparticles Coated with Phospholipid-Based Polymeric Micelles Induces Biochemical and Histopathological Pulmonary Changes in Mice, *International Journal of Molecular Sciences*, 16, 29417–29435; doi:10.3390/ijms161226173 (*corresponding author)

Q2 BIOCHEMISTRY & MOLECULAR BIOLOGY; Rank in Category: 134 of 290

Q2 CHEMISTRY, MULTIDISCIPLINARY; Rank in Category: 46 of 157

Impact factor: **2.862 (2014)**

18.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

Q3 BIOCHEMISTRY & MOLECULAR BIOLOGY; Rank in Category: 155 of 290

Q2 PHARMACOLOGY & PHARMACY; Rank in Category: 110 of 255

Q2 TOXICOLOGY; Rank in Category: 40 of 88

Impact factor: **2.577 (2014)**

19.Anghel N., Cotoraci C., Ivan A., Suci M., Herman H., Balta C., Nicolescu L., Olariu T., Galajda Z., Ardelean A., **Hermenean A.** 2015. Chrysin attenuates cardiomyocyte apoptosis and loss of intermediate filaments in a mouse model of mitoxantrone cardiotoxicity, *Histology and Histopathology*, 30 (12), 1465-1476

Q3 CELL BIOLOGY; Rank in Category: 138 of 184

Q2 PATHOLOGY; Rank in Category: 34 of 76

Impact factor: **2.096 (2014)**

20.**Hermenean A.**, Damache G., Albu P., Ardelean A., Ardelean G., Ardelean D.P., Horge M., Nagy N., Braun M., Zsuga M., Kéki S, Costache M., Dinischiotu A. 2015. Histopatological alterations and oxidative stress in liver and kidney of *Leuciscus cephalus* following exposure to heavy metals in the Tur River, North Western Romania, *Ecotoxicology and Environmental Safety*, 119: 198–205

Q2 ENVIRONMENTAL SCIENCES; Rank in Category: 56 of 223

Q2 TOXICOLOGY; Rank in Category: 34 of 88

Impact factor: **2.762 (2014)**

21.**Hermenean A.**, Stan M., Ardelean A., Pilat L., Mihali C.V., Popescu C., Nagy L., Deák G., Zsuga M., Kéki S., Bácskay I., Fenyvesi F., Costache M., Dinischiotu A., Vecsernyés M. 2015. Antioxidant and hepatoprotective activity of milk thistle (*Silybum marianum* L. Gaertn.) seed oil, *Open Life Sciences*, 10: 147–158

Q4 BIOLOGY; Rank in Category: 86 of 86

Impact factor: **0.448 (2014)**

22.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

Q3 CHEMISTRY, MULTIDISCIPLINARY; Rank in Category: 89 of 157

Q4 PHARMACOLOGY & PHARMACY; Rank in Category: 198 of 255

Q4 TOXICOLOGY; Rank in Category: 73 of 88

Impact factor: **1.233 (2014)**

23. Petrace Voicu S, Dinu D, Sima C, **Hermenean A**, Ardelean A, Codrici E, Stan M, Zarnescu O, Dinischiotu A. 2015. Silica Nanoparticles Induce Oxidative Stress and Autophagy but Not Apoptosis in the MRC-5 Cell Line, *International Journal of Molecular Sciences*, 16, 29398–29416; doi:10.3390/ijms161226171

Q2 BIOCHEMISTRY & MOLECULAR BIOLOGY; Rank in Category: 134 of 290

Q2 CHEMISTRY, MULTIDISCIPLINARY; Rank in Category: 46 of 157

Impact factor: **2.862 (2014)**

24. Radu M., Dinu D., Sima C., Burlacu R., **Hermenean A.**, Ardelean A., Dinischiotu A. 2015. Magnetite nanoparticles induced adaptive mechanisms counteract cell death in human pulmonary fibroblasts, *Toxicology in Vitro*, vol. 29, 1492-1502, IF=3.338.

Q2 TOXICOLOGY; Rank in Category: 29 of 88

Impact factor: **2.903 (2014)**

25. Fehér P, Ujhelyi, Vecsernyés M, Fenyvesi F, Damache G, Ardelean A, Costache M, Dinischiotu A., **Hermenean A.**, Bácskay I. 2015. Hepatoprotective effects of a self-micro emulsifying drug delivery system containing Silybum marianum native seed oil against experimentally induced liver injury, *Pharmazie* 70: 1–8

Q4 CHEMISTRY, MEDICINAL; Rank in Category: 49 of 59

Q3 CHEMISTRY, MULTIDISCIPLINARY; Rank in Category: 107 of 157

Q4 PHARMACOLOGY & PHARMACY; Rank in Category: 215 of 255

Impact factor: **1.052 (2014)**

26. Popescu I.M, Cinteza L.O., **Hermenean A.**, Dinischiotu A. 2015. In vivo exposure of mice spleen to magnetite nanoparticles encapsulated in phospholipid polymeric micelles; an oxidative stress and structural approach, *Digest Journal of Nanomaterials and Biostructures*, Vol. 10, No. 3, p. 871 – 881

Q3 MATERIALS SCIENCE, MULTIDISCIPLINARY; Rank in Category: 188 of 260

Q4 NANOSCIENCE & NANOTECHNOLOGY; Rank in Category: 68 of 80

Impact factor: **0.945 (2014)**

27. Galateanu B., Bunea M.C., Stanescu P., Vasile E., Casarica A., Iovu H., **Hermenean A.**, Zaharia C., Costache M. 2015. In Vitro Studies of Bacterial Cellulose and Magnetic Nanoparticles Smart Nanocomposites for Efficient Chronic Wounds Healing, *Stem Cells International*, Article ID 195096, 1-10

Q3 CELL & TISSUE ENGINEERING; Rank in Category: 12 of 21

Impact factor: **2.813 (2014)**

28. Dinescu S., Galateanu B., Radu E., **Hermenean A.**, Lungu A., Stancu I.C., Jianu D., Tumber T., Costache M. 2015. A 3D porous gelatin-alginate-based-IPNs acts as an efficient promoter of chondrogenesis from human adipose-derived stem cells, *Stem Cells International*, article ID 252909, 17 pages

Q3 CELL & TISSUE ENGINEERING; Rank in Category: 12 of 21

Impact factor: **2.813 (2014)**

2016:

29. 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

Q4 BIOTECHNOLOGY & APPLIED MICROBIOLOGY; Rank in Category: 153 of 161

Impact factor: **0.381 (2015)**

30.Horge M, Craciun C, Tripon S, Giulei D, Jompan A, **Hermenean A***, C. Rosioru. 2016. Moderate physical activity improves rat bone ultrastructure in experimental osteoporosis, *Acta Endocrinologica (Buc)*, vol. XII, no. 4, p. 392-400 (*corresponding author)

Q4 ENDOCRINOLOGY & METABOLISM; Rank in Category: 131 of 133

Impact factor: **0.235 (2015)**

31.**Hermenean A**, Smeu C, Gharbia S, Krizbai IA, Ardelean A. 2016. Plant-Derived Biomolecules and Drug Delivery Systems in the Treatment of Liver and Kidney Diseases. *Current Pharmaceutical Design*, 22(35): 5415-5441

Q2 PHARMACOLOGY & PHARMACY; Rank in Category: 74 of 225

Impact factor: **3.052 (2015)**

32.Folk A, Cotoraci C, Balta C, Suciu M, Herman H, Boldura OM, Dinescu S, Paiusan L, Ardelean A, **Hermenean A**. 2016. Evaluation of Hepatotoxicity with Treatment Doses of Flucytosine and Amphotericin B for Invasive Fungal Infections, *BioMed Research International*, Article ID 5398730, IF=2.476

Q3 BIOTECHNOLOGY & APPLIED MICROBIOLOGY; Rank in Category: 82 of 161

Q3 MEDICINE, RESEARCH & EXPERIMENTAL; Rank in Category: 73 of 134

Impact factor: **2.134 (2015)**

33.Herman H, Onita B, Ardelean G, Ardelean DP, Craciun C, Ardelean A, **Hermenean A**. 2016. Ultrastructural alterations, DNA damage and activation of repair mechanism in liver and kidney of *Leuciscus Cephalus* (L.) exposed to environmental, *Fresenius Environmental Bulletin*, 5(6): 1920-1926

Q4 ENVIRONMENTAL SCIENCES; Rank in Category: 218 of 224

Impact factor: **0.372 (2015)**

34.Balas M, Sabrina Constanda S, Duma-Voiculet A, Prodana M, **Hermenean A**, Pop S, Demetrescu I, Dinischiotu A. 2016. Fabrication and toxicity characterization of hybrid material based on oxidized and aminated MWCNT loaded with carboplatin, *Toxicology in Vitro*, 37: 189-200

Q1 TOXICOLOGY; Rank in Category: 19 of 90

Impact factor: **3.338 (2015)**

35.Nyúl-Tóth Á, Suciu M, Molnár J, Fazakas C, Haskó J, Herman H, Farkas AE, Kaszaki J, **Hermenean A**, Wilhelm I, Krizbai IA. 2016. Differences in the molecular structure of the blood-brain barrier in the cerebral cortex and white matter: an in silico, in vitro and ex vivo study. *American Journal of physiology. Heart and circulatory physiology*. 310 (11): H1702-1714

Q4 CARDIAC & CARDIOVASCULAR SYSTEMS; Rank in Category: 39 of 124

Q2 PERIPHERAL VASCULAR DISEASE; Rank in Category: 17 of 63

Q2 PHYSIOLOGY; Rank in Category: 21 of 83

Impact factor: **3.324 (2015)**

2017:

36. Vashisht D, Pandey A, **Hermenean A**, Yáñez-Gascón MJ, Pérez-Sánchez H, Kumar KJ. 2017. Effect of dry heating and ionic gum on the physicochemical and release properties of starch from Dioscorea. *International Journal of Biological Macromolecules* 18(95):557-563

Q1 POLYMER SCIENCE; *Rank in Category: 12 of 86*

Q1 BIOCHEMISTRY & MOLECULAR BIOLOGY; *Rank in Category: 92 of 290*

Q1 CHEMISTRY, APPLIED; *Rank in Category: 9 of 72*

Impact factor: 3.671 (2016)

37. **Hermenean A**, Codreanu A, Herman H, Rosu M, Mihali CV, 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*, 7, Article number: 16641, doi: 10.1038/s41598-017-16599-5

Q1 MULTIDISCIPLINARY SCIENCES; *Rank in Category: 10 of 64*

Impact factor: 4.259 (2016)

38. Dinescu S, Ignat S, Predoiu L, **Hermenean A**, Ionita M, Mladenov M, Costache M. 2017. Graphene oxide improves chitosan-based biomaterials with applications in bone tissue engineering, *Romanian Biotechnological Letters*, 22(6): 13108-13115

Q4 BIOTECHNOLOGY & APPLIED MICROBIOLOGY; *Rank in Category: 152 of 160*

Impact factor: 0.396 (2016)

39. **Hermenean A**, Gheorghiu G, Stan MS, Herman H, Onita B, Ardelean DP, Ardelean A, Braun M, Zsuga M, Keki S, Costache M, Dinischiotu A. 2017. Biochemical, Histopathological and Molecular Responses in Gills of *Leuciscus cephalus* Exposed to Metals, *Archives of Environmental Contamination and Toxicology*, 73(4), 607-618

Q2 ENVIRONMENTAL SCIENCES; *Rank in Category: 87 of 229*

Q2 TOXICOLOGY; *Rank in Category: 41 of 92*

Impact factor: 2.467 (2016)

40. Folk A, Balta C, Herman H, Ivan A, Boldura O, Paiusan L, Ardelean A, **Hermenean A**, 2017. Flucytosine and Amphotericin B Coadministration Induces Dose-Related Renal Injury, *Dose-Response*, 15(2), DOI: 10.1177/1559325817703461

Q3 PHARMACOLOGY & PHARMACY; *Rank in Category: 158 of 257*

Q2 RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING; *Rank in Category: 56 of 127*

Impact factor: 2.088 (2016)

41. **Hermenean A**, Mariaşiu T, Navaro-González I, Josefina Vegara-Meseguer, Miutescu E, Chakraborty S, Pérez-Sánchez H. 2017. Hepatoprotective Activity of Chrysin is Mediated by Inhibition of TNF- α : in Chemically Induced Acute Liver Injury: In Vivo Study and Molecular Modelling, *Experimental and Therapeutic Medicine*, 13: 1671-1680,

Q4 MEDICINE, RESEARCH & EXPERIMENTAL; *Rank in Category: 100 of 128*

Impact factor: 1.261 (2016)

42. Ivan A, Herman H, Balta C, Hadaruga DI, Mihali CV, Ardelean A, **Hermenean A**. 2017. Berberis vulgaris extract/ β -cyclodextrin complex increases protection of hepatic cells via suppression of apoptosis and lipogenesis pathways, *Experimental and Therapeutic Medicine*, 13: 2143-2150

Q4 MEDICINE, RESEARCH & EXPERIMENTAL; *Rank in Category: 100 of 128*

Impact factor: 1.261 (2016)

43. Zaulet M, Kevorkian S, Dinescu S, Cotoraci C, Suciuc M, Herman H, Buburuzan L, Badulescu L, Ardelean A, **Hermenean A**. 2017. Protective effects of silymarin against

Bisphenol A-induced hepatotoxicity in mouse liver, *Experimental and Therapeutic Medicine*, 13: 821-828

Q4 MEDICINE, RESEARCH & EXPERIMENTAL; *Rank in Category: 100 of 128*
Impact factor: 1.261 (2016)

2018:

44. Trotta MC, Maisto R, Alessio N, **Hermenean A**, D'Amico M, Di Filippo C. 2018. The Melanocortin MC5R as a New Target for Treatment of High Glucose-Induced Hypertrophy of the Cardiac H9c2 Cells, *Frontiers in Physiology*, Article Number: 1475, DOI: 10.3389/fphys.2018.01475

Q1 PHYSIOLOGY; *Rank in Category: 20 of 83*
Impact factor: 3.394 (2017)

45. Burcea A, GO Popa, Florescu (Gune) IE, Gharbia A, Gaina G, Dudu A, Maereanu M, **Hermenean A**, Georgescu SE, Costache M. 2018. Gene expression involved in the sexual development of Best Beluga hybrid sturgeons, *Journal of Fish Biology*, 93(5): 1021-1026.

Q2 FISHERIES; *Rank in Category: 19 of 51*
Q2 MARINE & FRESHWATER BIOLOGY; *Rank in Category: 48 of 106*
Impact factor: 1.702 (2017)

46. Sami Gharbia, Cornel Balta, Hildegard Herman, Marcel Rosu, Judit Varadi, Ildiko Bacskay, Miklos Vecsernyes, Ferenc Fenyvesi, Sorina Nicoleta Voicu, Miruna Stan, Roxana Elena Cristian, Anca Dinischiotu, **Anca Hermenean**. 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*, section Ethnopharmacology, Volume: 9 Article, Number: 883, doi:10.3389/fphar.2018.00883

Q1 PHARMACOLOGY & PHARMACY; *Rank in Category: 48 of 261*
Impact factor: 3.831 (2017)

47. Cornel Balta, Alina Ciceu, Hildegard Herman, Marcel Rosu, Oana Maria Boldura, **Anca Hermenean**. 2018. Dose-dependent anti-fibrotic effect of chrysin on regression of liver fibrosis: the role in extracellular matrix remodeling, *Dose-Response*, 16(3), DOI 10.1177/1559325818789835.

Q3 PHARMACOLOGY & PHARMACY; *Rank in Category: 133 of 261*
Q2 RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING; *Rank in Category: 49 of 129*
Impact factor: 2.435 (2017)

48. Anghel N, Herman H, Balta C, Rosu M, Stan MS, Nita D, Ivan A, Galajda Z, Ardelean A, Dinischiotu A, **Hermenean A**. 2018. Acute cardiotoxicity induced by doxorubicin in right ventricle is associated with increase of oxidative stress and apoptosis in rats. *Histology and Histopathology*, 33(4): 365-378.

Q4 CELL BIOLOGY; *Rank in Category: 152 of 190*
Q3 PATHOLOGY; *Rank in Category: 40 of 79*
Impact factor: 2.015 (2017)

2019:

49. Voicu SN, **Hermenean A**, Olah NK, Badulescu L, Stan MS, Dinischiotu A. 2019. Designing new mother tinctures for increased antioxidant efficiency on inflammatory intestinal diseases, *Farmacia*, 67(2): 290-295.

Q4 PHARMACOLOGY & PHARMACY; Rank in Category: 217 of 267

Impact factor: **1.527 (2018)**

50. Hildegard Herman, Csilla Fazakas, János Haskó, Kinga Molnár, Ádám Mészáros, Ádám Nyúl-Tóth, Gábor Szabó, Ferenc Erdélyi, Aurel Ardelean, **Anca Hermenean***, István A. Krizbai, Imola Wilhelm. 2019. Paracellular and Transcellular migration of metastatic cells through the cerebral endothelium, *Journal of Cellular and Molecular Medicine*, Volume: 23 Issue: 4 Pages: 2619-2631 (*corresponding author)

Q2 CELL BIOLOGY; Rank in Category: 60 of 193

Q1 MEDICINE, RESEARCH & EXPERIMENTAL; Rank in Category: 31 of 136

Impact factor: **4.658 (2018)**

51. Chiara Bianca Maria Platania, Rosa Maisto, Maria Consiglia Trotta, Michele D'Amico, Settimio Rossi, Carlo Gesualdo, Giovanbattista D'Amico, Cornel Balta, Hildegard Herman, **Anca Hermenean**, Franca Ferraraccio, Iacopo Panarese, Filippo Drago and Claudio Bucolo. 2019. Retinal and circulating miRNA expression patterns in diabetic retinopathy: an *in silico* and *in vivo* approach, *British Journal of Pharmacology*, 176:2179–2194.

Q1 PHARMACOLOGY & PHARMACY; Rank in Category: 14 of 267

Impact factor: **6.583 (2018)**

52. Sorina Nicoleta Voicu, Mihaela Balas, Miruna Silvia Stan, Bogdan Trica, Andreea Iren Serban, Loredana Stanca, **Anca Hermenean**, Anca Dinischiotu. 2019. Amorphous Silica Nanoparticles Obtained by Laser Ablation Induce Inflammatory Response in Human Lung Fibroblasts, *Materials*, 12(7), doi: 10.3390/ma12071026.

Q2 MATERIALS SCIENCE, MULTIDISCIPLINARY; Rank in Category: 102 of 293

Impact factor: **2.972 (2018)**

53. Badea MA, Balas M, **Hermenean A**, Ciceu A, Herman H, Ionita D, Dinischiotu A. 2019. Influence of Matrigel on Single- and Multiple-Spheroid Cultures in Breast Cancer Research, *SLAS Discovery*, 24(5):563-578

Q3 BIOCHEMICAL RESEARCH METHODS; Rank in Category: 45 of 79

Q3 BIOTECHNOLOGY & APPLIED MICROBIOLOGY; Rank in Category: 95 of 162

Q3 CHEMISTRY, ANALYTICAL; Rank in Category: 43 of 84

Impact factor: **2.192 (2018)**

54. Trotta MC, Maisto R, Guida F, Boccella S, Luongo L, Balta C, D'Amico G, Herman H, **Hermenean A**, Bucolo C, D'Amico M. 2019. The activation of retinal HCA2 receptors by systemic beta-hydroxybutyrate inhibits diabetic retinal damage through reduction of endoplasmic reticulum stress and the NLRP3 inflammasome. *PloS One*, 18;14(1):e0211005. doi: 10.1371/journal.pone.0211005

Q2 MULTIDISCIPLINARY SCIENCES; Rank in Category: 24 of 69

Impact factor: **2.776 (2018)**

55. Alina F.G., Strugari, Miruna S. Stan, Sami Gharbia, **Anca Hermenean**, Anca Dinischiotu. 2019. Characterization of Nanoparticle Intestinal Transport Using an In Vitro Co-Culture Model, *Nanomaterials* 9(1), doi:10.3390/nano9010005

Q1 MATERIALS SCIENCE, MULTIDISCIPLINARY; Rank in Category: 71 of 293

Q2 NANOSCIENCE & NANOTECHNOLOGY; Rank in Category: 39 of 94

Impact factor: 4.034 (2018)

56. Alexandru Mihai Grumezescu, Alexandra Elena Stoica, Mihnea-Stefan Dima-Balcescu, Cristina Chircov, Sami Gharbia, Cornel Balta, Marcel Rosu, Hildegard Herman, Alina Maria Holban, Anton Ficai, Bogdan Stefan Vasile, Ecaterina Andronescu, Mariana Carmen Chifiriuc, **Anca Hermenean**. 2019. Electrospun Polyethylene Terephthalate Nanofibers Loaded with Silver Nanoparticles: Novel Approach in Anti-Infective Therapy. *Journal of Clinical Medicine*, 8(7), 1039; <https://doi.org/10.3390/jcm8071039> (registering DOI)

Q1 MEDICINE, GENERAL & INTERNAL; Rank in Category: 15 of 160

Impact factor: 5.688 (2018)

57. Miruna Silvia Stan, Sorina Nicoleta Voicu, Sonia Caruntu, Ionela Cristina Nica, Neli-Kinga Olah, Ramona Burtescu, Cornel Balta, Marcel Rosu, Hildegard Herman, **Anca Hermenean** *, Anca Dinischiotu. 2019. Antioxidant and Anti-Inflammatory Properties of a Thuja occidentalis Mother Tincture for the Treatment of Ulcerative Colitis, *Antioxidants*, 8, 416; doi:10.3390/antiox8090416 (*corresponding author)

Q1 BIOCHEMISTRY & MOLECULAR BIOLOGY; Rank in Category: 58 of 298

Impact factor: 4,520 (2018)

58. Judit Váradi, **Anca Hermenean**, Rudolf Gesztelyi, Viktória Jeney, Enikő Balogh, László Majoros, Milo Malanga, Éva Fenyvesi, Lajos Szente, Ildikó Bácskay, Miklós Vecsernyés, Pálma Fehér, Zoltán Ujhelyi, Gábor Vasvári, István Árvai, Ágnes Rusznyák, Cornel Balta, Hildegard Herman, Ferenc Fenyvesi. 2019. Pharmacokinetic Properties of Fluorescently Labelled Hydroxypropyl-Beta-Cyclodextrin, *Biomolecules* 2019, 9, 509; doi:10.3390/biom9100509

Q1 BIOCHEMISTRY & MOLECULAR BIOLOGY; Rank in Category: 63 of 298

Impact factor: 4,694 (2018)

59. Sorina Dinescu, Mariana Ionita, Simona-Rebeca Ignat, Marieta Costache, **Anca Hermenean**. 2019. Graphene Oxide Enhances Chitosan-Based 3D Scaffold Properties for Bone Tissue Engineering, *Int. J. Mol. Sci.* 2019, 20, 5077; doi:10.3390/ijms20205077

Q2 BIOCHEMISTRY & MOLECULAR BIOLOGY; Rank in Category: 78 of 299

Q2 CHEMISTRY, MULTIDISCIPLINARY; Rank in Category: 46 of 172

Impact factor: 4,183 (2018)

2020:

60. Trotta MC, Pieretti G, Petrillo F, Alessio N, **Hermenean A**, Maistro R, D'Amico M. 2020. Resolvin D1 reduces mitochondrial damage to photoreceptors of primary retinal cells exposed to high glucose. *J Cell Physiol.*, 2020;235:4256–4267

Q2 CELL BIOLOGY; Rank in Category: 64 of 193

Q1 PHYSIOLOGY; Rank in Category: 11 of 81

Impact factor: 4,522 (2018)

61. Liliana Burlibaşa, Mariana Carmen Chifiriuc, Magdalena Valentina Lungu, Eduard Marius Lungulescu, Sorina Mitrea, Gabriela Sbarcea, Marcela Popa, Luminița Măruțescu, Nicoleta Constantin, Coralia Bleotu, **Anca Hermenean**. 2020. Synthesis, physico-chemical characterization, antimicrobial activity and toxicological features of Ag-ZnO nanoparticles, *Arabian Journal of Chemistry*, 13, 4180–4197.

Q2 CHEMISTRY, MULTIDISCIPLINARY; Rank in Category: 60 of 172

Impact factor: 3.298 (2018)

62. Simona-Rebeca Ignat, Sorina Dinescu, **Anca Hermenean**, Marieta Costache. 2020. Cellular Interplay as a Consequence of Inflammatory Signals Leading to Liver Fibrosis Development, *Cells*, 9, 461; doi:10.3390/cells9020461

Q1 CELL BIOLOGY; Rank in Category: 40 of 193

Impact factor: 5.656 (2018)

63. Rosa Maisto, Maria Consiglia Trotta, Francesco Petrillo, Sara Izzo, Giovanna Cuomo, Roberto Alfano, **Anca Hermenean**, Jorge Miquel Barcia, Marilena Galdiero, Chiara Bianca Maria Platania, Claudio Bucolo, Michele D'Amico. 2020. Resolvin D1 Modulates the Intracellular VEGF-Related miRNAs of Retinal Photoreceptors Challenged With High Glucose, *Frontiers in Pharmacology*, 111:236 doi.org/10.3389/fphar.2020.00235

Q1 PHARMACOLOGY & PHARMACY; Rank in Category: 59 of 267

Impact factor: 3.845 (2018)

64. Ada Codreanu, Cornel Balta, Hildegard Herman, Coralia Cotoraci, Ciprian Valentin Mihali, Nicoleta Zurbau, Catalin Zaharia, Maria Rapa, Paul Stanescu, Ionut-Cristian Radu, Eugeniu Vasile, George Lupu, Bianca Galateanu, **Anca Hermenean**. 2020. Bacterial Cellulose-Modified Polyhydroxyalkanoates Scaffolds Promotes Bone Formation in Critical Size Calvarial Defects in Mice, *Materials* 13, 1433; doi:10.3390/ma13061433

Q2 MATERIALS SCIENCE, MULTIDISCIPLINARY; Rank in Category: 102 of 293

Impact factor: 2.972 (2018)

65. Andreea Lazar, Sorina Dinescu, Madalina Albu-Kaya, Sami Gharbia, **Anca Hermenean**, Marieta Costache. 2020. Release of the Non-Steroidal Anti-Inflammatory Drug Flufenamic Acid by Multiparticulate Delivery Systems Promotes Adipogenic Differentiation of Adipose-Derived Stem Cells, *Materials*, 13, 1550; doi:10.3390/ma13071550

Q2 MATERIALS SCIENCE, MULTIDISCIPLINARY; Rank in Category: 102 of 293

Impact factor: 2.972 (2018)

66. Roua Gabriela Popescu, Sorina Nicoleta Voicu, Gratiela Gradisteanu Pircalabioru, Alina Ciceu, Sami Gharbia, **Anca Hermenean**, Sergiu Emil Georgescu, Tatiana Dumitra Panaite, Anca Dinischiotu. 2020 Effects of Dietary Inclusion of Bilberry and Walnut Leaves Powder on the Digestive Performances and Health of Tetra SL Laying Hens, *Animals* 10, 823; doi:10.3390/ani10050823

Q1 AGRICULTURE, DAIRY & ANIMAL SCIENCE; Rank in Category: 11 of 61

Q1 VETERINARY SCIENCES; Rank in Category: 29 of 141

Impact factor: 1.832 (2018)

67. Anne Bannuscher, Bryan Hellack, Aileen Bahl, Julie Laloy, Hildegard Herman, Miruna S. Stan, Anca Dinischiotu, Anna Giusti, Benjamin-Christoph Krause, Jutta Tentschert, Marcel Roșu, Cornel Balta, **Anca Hermenean**, Martin Wiemann, Andreas Luch, Andrea Haase. 2020. Metabolomics profiling to investigate nanomaterial toxicity in vitro and in vivo, *Nanotoxicology*, <https://doi.org/10.1080/17435390.2020.1764123>

Q2 NANOSCIENCE&NANOTECHNOLOGY; Rank in Category: 27 of 94

Q1 TOXICOLOGY; Rank in Category: 6 of 93

Impact factor: 5.955 (2018)

68. Ioana Mihaela Popescu Din, Mihaela Balas, **Anca Hermenean**, Luce Vander Elst, Sophie Laurent 4, Carmen Burtea, Ludmila Otilia Cinteza and Anca Dinischiotu. 2020. Novel Polymeric Micelles-Coated Magnetic Nanoparticles for In Vivo Bioimaging of Liver: Toxicological Profile and Contrast Enhancement, *Materials*, 13, 2722

Q2 MATERIALS SCIENCE, MULTIDISCIPLINARY; Rank in Category: 102 of 293

Impact factor: 2.972 (2018)

69. Erieg A. Mohamed, Despina M. Bordean, Isidora Radulov, Razvan F. Moruzi, Calin I. Hulea, Sergiu A. Orasan, Eugenia Dumitrescu, Florin Muselin, Hildegard Herman, Diana Brezovan, **Anca Hermenean**, and Romeo T. 2020. Cristina, Sea Buckthorn and Grape Antioxidant Effects in Hyperlipidemic Rats: Relationship with the Atorvastatin Therapy, *Evidence-Based Complementary and Alternative Medicine* Article ID 1736803, 7 pages
Q2 INTEGRATIVE & COMPLEMENTARY MEDICINE; *Rank in Category: 10 of 27*
Impact factor: 1,984 (2018)
70. George Mihail Vlasceanu, Aida Selaru, Sorina Dinescu, Cornel Balta, Hildegard Herman, Sami Gharbia, **Anca Hermenean**, Mariana Ionita, Marieta Costache, Comprehensive Appraisal of Graphene–Oxide Ratio in Porous Biopolymer Hybrids Targeting Bone-Tissue Regeneration, *Nanomaterials* 2020, 10, 1444; doi:10.3390/nano10081444
Q2 MATERIALS SCIENCE, MULTIDISCIPLINARY; *Rank in Category: 89 of 314*
Q2 NANOSCIENCE & NANOTECHNOLOGY; *Rank in Category: 42 of 103*
Impact factor: 4,324 (2019)
71. Ionelia Taranu, **Anca Hermenean**, Cristina Bulgaru, Gina Cecilia Pistol, Alina Ciceu, Iulian Alexandru Grosu, Daniela Eliza Marin, 2020. Diet containing grape seed meal by-product counteracts AFB1 toxicity in liver of pig after weaning, *Ecotoxicology and Environmental Safety*, 203, 110899.
Q1 ENVIRONMENTAL SCIENCES; *Rank in Category: 44 of 265*
Q1 TOXICOLOGY; *Rank in Category: 11 of 92*
Impact factor: 4,872 (2019)
72. Ferenc Fenyvesi, Thi Le Phuong Nguyen, Ádám Haimho, Ágnes Rusznyák, Gábor Vasvári, Ildikó Bácskay, Miklós Vecsernyés, Simona-Rebeca Ignat, Sorina Dinescu, Marieta Costache, Alina Ciceu, **Anca Hermenean**, Judit Váradi. 2020. Cyclodextrin Complexation Improves the Solubility and Caco-2 Permeability of Chrysin, *Materials*, 13, 3618; doi:10.3390/ma13163618
Q2 MATERIALS SCIENCE, MULTIDISCIPLINARY; *Rank in Category: 132 of 314*
Impact factor: 3,057 (2019)
73. Francesco Petrillo, Maria Consiglia Trotta, Claudio Bucolo, **Anca Hermenean**, Arianna Petrillo, Rosa Maisto, Gorizio Pieretti, Michela Pietropaolo, Franca Ferraraccio, Caterina Gagliano, Marilena Galdiero, Michele D'Amico. 2020. Resolvin D1 attenuates the inflammatory process in mouse model of LPS-induced keratitis, *J Cell Mol Med.* 2020; DOI: 10.1111/jcmm.15633; 00:1–10.
Q2 CELL BIOLOGY; *Rank in Category: 69 of 195*
Q2 MEDICINE, RESEARCH & EXPERIMENTAL; *Rank in Category: 35 of 138*
Impact factor: 4,486 (2019)
74. Alexandra Elena Stoica, Alexandru Mihai Grumezescu, **Anca Hermenean**, Ecaterina Andronescu, Bogdan Stefan Vasile. 2020. Scar-Free Healing: Current Concepts and Future Perspectives, *Nanomaterials* 2020, 10, 2179; doi:10.3390/nano10112179
Q2 MATERIALS SCIENCE, MULTIDISCIPLINARY; *Rank in Category: 89 of 314*
Q2 NANOSCIENCE & NANOTECHNOLOGY; *Rank in Category: 42 of 103*
Impact factor: 4,324 (2019)
75. Augustin M. Ofiteru, Diana F. Becheru, Sami Gharbia, Cornel Balta, Hildegard Herman, Bianca Mladin, Mariana Ionita, **Anca Hermenean**, Jorge S. Burns. 2020. Qualifying Osteogenic Potency Assay Metrics for Human Multipotent Stromal Cells: TGF-beta2 a Telling Eligible Biomarker, *Cells* 2020, 9, 2559; doi:10.3390/cells9122559
Q2 CELL BIOLOGY; *Rank in Category: 70 of 195*
Impact factor: 4,366 (2019)

76. Sonia Caruntu, Alina Ciceu, Neli Kinga Olah, Ioan Don, **Anca Hermenean***, Coralia Cotoraci. 2020. Thuja occidentalis L. (Cupressaceae): Ethnobotany, Phytochemistry and Biological Activity, *Molecules* 2020, 25, 5416; doi:10.3390/molecules25225416 (*corresponding author)

Q2 BIOCHEMISTRY & MOLECULAR BIOLOGY; Rank in Category: 142 of 297

Q2 CHEMISTRY, MULTIDISCIPLINARY; Rank in Category: 70 of 177

Impact factor: **3,267 (2019)**

77. Ignat, S.R.; Dinescu, S.; Váradi, J.; Fenyvesi, F.; Nguyen, T.L.P.; Ciceu, A.; **Hermenean, A.**; Costache, M. 2020. Complexation with Random Methyl- β -Cyclodextrin and (2-Hydroxypropyl)- β -Cyclodextrin Promotes Chrysin Effect and Potential for Liver Fibrosis Therapy. *Materials* 2020, 13, 5003. DOI: 10.3390/ma13215003

Q2 MATERIALS SCIENCE, MULTIDISCIPLINARY; Rank in Category: 132 of 314

Impact factor: **3,057 (2019)**

78. Coralia Cotoraci, Alciona Sasu, Mircea Onel, Dana Iovanescu, Eftimie Miutescu, Sami Gharbia, Alina Ciceu, Hildegard Herman, **Anca Hermenean**, The morphological changes of the colonic goblet cells and mucin profile in oncohematological patients under Epirubicin-based chemotherapy, *Rom J Morphol Embryol* 2020, 61(4):1121–1128

2021:

79. Alexandru Petre, Cornel Balta, Hildegard Herman, Sami Gharbia, Ada Codreanu, Bianca Onita, Nicoleta Anghel-Zurbau, Andrei-Gelu Hermenean, Simona-Rebeca Ignat, Sorina Dinescu, Iuliana Urzica, Sergiu Drafta, Luminita Oancea, **Anca Hermenean**. 2021. A novel experimental approach to evaluate guided bone regeneration (GBR) in the rat femur using a 3D-printed CAD/CAM zirconia space-maintaining barrier, *Journal of Advanced Research*, 28: 221–229.

Q1 MULTIDISCIPLINARY SCIENCES; Rank in Category: 9 of 71

Impact factor: **6,992 (2019)**

80. **Anca Hermenean**, Maria Consiglia Trotta, Sami Gharbia, Andrei Gelu Hermenean, Victor Eduard Peteu, Cornel Balta, Coralia Cotoraci, Carlo Gesualdo, Settimio Rossi, Mihaela Gherghiceanu and Michele D'Amico. 2021. Changes in Retinal Structure and Ultrastructure in the Aged Mice Correlate With Differences in the Expression of Selected Retinal miRNAs, *Frontiers in Pharmacology*, Volume 11 | Article 593514

Q1 PHARMACOLOGY & PHARMACY; Rank in Category: 52 of 271

Impact factor: **4,225 (2019)**

81. Miruna S. Stan, Smaranda Badea, **Anca Hermenean**, Hildegard Herman, Bogdan Trica, Beatrice G. Sbarcea, Anca Dinischiotu. 2021. New Insights into the Cell Death Signaling Pathways Triggered by Long-Term Exposure to Silicon-Based Quantum Dots in Human Lung Fibroblasts. *Nanomaterials* 2021, 11, 323. <https://doi.org/10.3390/nano11020323>

Q2 MATERIALS SCIENCE, MULTIDISCIPLINARY; Rank in Category: 89 of 314

Q2 NANOSCIENCE & NANOTECHNOLOGY; Rank in Category: 42 of 103

Impact factor: **4,324 (2019)**

82. Alina Ciceu, Cornel Balta, Hildegard Herman, Sami Gharbia, Simona-Rebeca Ignat, Sorina Dinescu, Judit Váradi, Ferenc Fenyvesi, Szilvia Gyöngyösi, **Anca Hermenean***, Marieta Costache. 2021. Complexation with Random Methyl- β -cyclodextrin and (2-

Hydroxypropyl)- β -cyclodextrin Enhances In Vivo Anti-Fibrotic and Anti-Inflammatory Effects of Chrysin via the Inhibition of NF- κ B and TGF- β 1/Smad Signaling Pathways and Modulation of Hepatic Pro/Anti-Fibrotic miRNA. *Int. J. Mol. Sci.* 2021, 22, 1869 (*corresponding author)

Q1 BIOCHEMISTRY & MOLECULAR BIOLOGY; Rank in Category:74 of 297
Impact factor: 4,556 (2019)

83. Coralia Cotoraci, Alina Ciceu, Alciona Sasu, **Anca Hermenean**.2021. Natural Antioxidants in Anemia Treatment, *Int. J. Mol. Sci.* 2021, 22, 1883

Q1 BIOCHEMISTRY & MOLECULAR BIOLOGY; Rank in Category:74 of 297
Impact factor: 4,556 (2019)

84. Roua Gabriela Popescu, Cristina Bulgaru, Arabela Untea, Mihaela Vlassa, Miuta Filip, **Anca Hermenean**, Daniela Marin, Ionelia Țăranu, Sergiu Emil Georgescu, Anca Dinischiotu. 2021.The Effectiveness of Dietary Byproduct Antioxidants on Induced CYP Genes Expression and Histological Alteration in Piglets Liver and Kidney Fed with Aflatoxin B1 and Ochratoxin A, *Toxins* 2021, 13, 148. <https://doi.org/10.3390/toxins13020148>

Q1 FOOD SCIENCE & TECHNOLOGY; Rank in Category:34 of 139

Q1 TOXICOLOGY; Rank in Category:21 of 92

Impact factor: 3,351 (2019)

85. Bianca Onita (Mladin), Paul Albu, Hildegard Herman, Cornel Balta, Vasile Lazar, Andras Fulop, Edina Baranyai, Sándor Harangi, Sandor Keki, Lajos Nagy, Tibor Nagy, Vilmos Józsa, Dénes Gál, Károly Györe, Miruna Stan, **Anca Hermenean***, Anca Dinischiotu. 2021. Correlation between Heavy Metal-Induced Histopathological Changes and Trophic Interactions between Different Fish Species. *Applied Sciences*, 11, 3760. <https://doi.org/10.3390/app11093760> (*corresponding author)

Q2 CHEMISTRY, MULTIDISCIPLINARY, Rank in Category 88 of 177

Q2 ENGINEERING, MULTIDISCIPLINARY, Rank in Category 32 of 91

Impact factor: 2,47 (2019)

86. Simona Ioana Vicas, Vasile Laslo, Adrian Vasile Timar, Cornel Balta, Hildegard Herman, Alina Ciceu, Sami Gharbia, Marcel Rosu, Bianca Mladin, Laurentiu Chiana, József Prokisch, Maria Puschita, Eftimie Miutescu, Simona Cavalu, Coralia Cotoraci, **Anca Hermenean**. 2021. Nano Selenium—Enriched Probiotics as Functional Food Products against Cadmium Liver Toxicity, *Materials*, 14, 2257. <https://doi.org/10.3390/ma14092257>

Q2 MATERIALS SCIENCE, MULTIDISCIPLINARY; Rank in Category: 132 of 314

Impact factor: 3,057 (2019)

87. Coralia Cotoraci, Alina Ciceu, Alciona Sasu, Eftimie Miutescu and **Anca Hermenean**, The Anti-Leukemic Activity of Natural Compounds, *Molecules* 2021, 26, 2709. <https://doi.org/10.3390/molecules26092709>

Q2 MATERIALS SCIENCE, MULTIDISCIPLINARY; Rank in Category: 132 of 314

Impact factor: 3,057 (2019)

88. Simona Ioana Vicas, Vasile Laslo, Adrian Vasile Timar, Cornel Balta, Hildegard Herman, Alina Ciceu, Sami Gharbia, Marcel Rosu, Bianca Mladin, Luminita Fritea, Simona Cavalu, Coralia Cotoraci, József Prokisch, Maria Puschita, Calin Pop, Eftimie Miutescu, **Anca Hermenean**. 2021. Functional Food Product Based on Nanoselenium-Enriched Lactobacillus casei against Cadmium Kidney Toxicity. *Appl. Sci.* 2021, 11, 4220. <https://doi.org/10.3390/app11094220>

Q2 CHEMISTRY, MULTIDISCIPLINARY, Rank in Category 88 of 177

Q2 ENGINEERING, MULTIDISCIPLINARY, Rank in Category 32 of 91

Impact factor: 2,47 (2019)

89. Nunzia D'Onofrio, Lucia Scisciola, Celestino Sardu, Maria Consiglia Trotta, Marisa De Feo, Ciro Maiello, Pasquale Mascolo, Francesco De Micco, Fabrizio Turriziani, Emilia Municinò, Pasquale Monetti, Antonio Lombardi, Maria Gaetana Napolitano, Federica Zito Marino, Andrea Ronchi, Vincenzo Grimaldi, **Anca Hermenean**, Maria Rosaria Rizzo, Michelangela Barbieri, Renato Franco, Carlo Pietro Campobasso, Claudio Napoli, Maurizio Municinò, Giuseppe Paolisso, Maria Luisa Balestrieri, Rafaele Marfella, Glycated ACE2 receptor in diabetes: open door for SARS-COV-2 entry in cardiomyocyte. *Cardiovascular Diabetology* (2021) 20:99 <https://doi.org/10.1186/s12933-021-01286-7>

Q1 CARDIAC & CARDIOVASCULAR SYSTEMS, Rank in Category 14 of 138

Q1 ENDOCRINOLOGY & METABOLISM, Rank in Category 11 of 143

Impact factor: 7,33 (2019)

90. Mihaela Balas, Ioana Mihaela Popescu Din, **Anca Hermenean**, Ludmila Otilia Cinteza, Anca Dinischiotu, 2021. Exposure to Iron Oxide Nanoparticles Coated with Phospholipid-Based Polymeric Micelles Induces Renal Transitory Biochemical and Histopathological Changes in Mice, *Materials* 2021, 14, 2605. <https://doi.org/10.3390/ma14102605>

Q2 MATERIALS SCIENCE, MULTIDISCIPLINARY; Rank in Category: 132 of 314

Impact factor: 3,057 (2019)

91. Coralia Cotoraci, Alina Ciceu, Alciona Sasu, Eftimie Miutescu, **Anca Hermenean**. 2021. Bioactive Compounds from Herbal Medicine Targeting Multiple Myeloma, *Appl. Sci.* 2021, 11, 4451.

Q2 CHEMISTRY, MULTIDISCIPLINARY, Rank in Category 88 of 177

Q2 ENGINEERING, MULTIDISCIPLINARY, Rank in Category 32 of 91

Impact factor: 2,47 (2019)

92. Coralia Cotoraci, Alciona Sasu, Eftimie Miutescu, Dana Iovanescu, Sami Gharbia, Alina Ciceu, Hildegard Herman, **Anca Hermenean**. 2021. Immunohistochemical Expression Patterns of Tight Junction Proteins, Pro-Apoptotic and Anti-Apoptotic Factors on Progression of Intestinal Mucositis of Onco-Hematological Patients under Epirubicin-Based Chemotherapy, *Appl. Sci.* 2021, 11, 4710.

Q2 CHEMISTRY, MULTIDISCIPLINARY, Rank in Category 88 of 177

Q2 ENGINEERING, MULTIDISCIPLINARY, Rank in Category 32 of 91

Impact factor: 2,47 (2019)

93. Fátima Brandão, Carla Costa, Maria João Bessa, Elise Dumortier, Florence Debacq-Chainiaux, Roland Hubaux, Michel Salmon, Julie Laloy, Miruna S. Stan, **Anca Hermenean**, Sami Gharbia, Anca Dinischiotu, Anne Bannuscher, Bryan Hellack, Andrea Haase, Sónia Fraga, João Paulo Teixeira. 2021. Genotoxicity and Gene Expression in the Rat Lung Tissue following Instillation and Inhalation of Different Variants of Amorphous Silica Nanomaterials (aSiO₂ NM). *Nanomaterials* 2021, 11, 1502.

Q2 MATERIALS SCIENCE, MULTIDISCIPLINARY; Rank in Category: 89 of 314

Q2 NANOSCIENCE & NANOTECHNOLOGY; Rank in Category: 42 of 103

Impact factor: 4,324 (2019)

94. Maria Consiglia Trotta, Sami Gharbia, Hildegard Herman, Bianca Mladin, Andrei Hermenean, Cornel Balta, Coralia Cotoraci, Victor Eduard Peteu, Carlo Gesualdo, Francesco Petrillo, Marilena Galdiero, Roberto Alfano, Mihaela Gherghiceanu, Michele D'Amico, Settimio Rossi, **Anca Hermenean**. 2021. Sex and Age-Related Differences in

Neuroinflammation and Apoptosis in Balb/c Mice Retina Involve Resolvin D1, *Int. J. Mol. Sci.* 2021, 22, 6280. <https://doi.org/10.3390/ijms22126280>

Q1 BIOCHEMISTRY & MOLECULAR BIOLOGY; Rank in Category:74 of 297

Impact factor: 4,556 (2019)

95. A Hudita, IC Radu, B Galateanu, O Ginghina, H Herman, C Balta, M Rosu, C Zaharia, M Costache, E Tanasa, K Velonia, A Tsatsakis, **A Hermenean**, 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*, 2021, 10.1080/17435390.2021.1943032

Q1 TOXICOLOGY; Rank in Category: 10 of 93

Impact factor: 5,91 (2020)

96. Roua Gabriela Popescu, Sorina Nicoleta Voicu, Gratiela Gradisteanu Pircalabioru, Sami Gharbia, **Anca Hermenean**, Sergiu Emil Georgescu, Tatiana Dumitra Panaite, Raluca Paula Turcu, Anca Dinischiotu, Impact of Dietary Supplementation of Flaxseed Meal on Intestinal Morphology, Specific Enzymatic Activity, and Cecal Microbiome in Broiler Chickens, *Appl. Sci.* 2021, 11(15), 6714; <https://doi.org/10.3390/app11156714>

Q2 ENGINEERING, MULTIDISCIPLINARY - SCIE; Rank in Category: 38 of 91

Impact factor: 2,67(2020)

97. Carlo Gesualdo†, Cornel Balta†, Chiara Bianca Maria Platania†, Maria Consiglia Trotta†, Hildegard Herman, Sami Gharbia, Marcel Rosu, Francesco Petrillo, Salvatore Giunta, Alberto Della Corte, Paolo Grieco, Rosa Bellavita, Francesca Simonelli, Michele D'Amico, **Anca Hermenean‡**, Settimio Rossi‡ and Claudio Bucolo‡.2021. Fingolimod and Diabetic Retinopathy: A Drug Repurposing Study, *Frontiers in Pharmacology*, 12, Article 718902, doi.org/10.3389/fphar.2021.718902

Q1 PHARMACOLOGY & PHARMACY; Rank in Category:52 of 271

Impact factor: 5.81 (2020)

98. Simona-Rebeca Nazarie (Ignat)#, Sami Gharbia#, **Anca Hermenean**, Sorina Dinescu, Marieta Costache, Regenerative Potential of Mesenchymal Stem Cells' (MSCs) Secretome for Liver Fibrosis Therapies, International Journal of Molecular Sciences, 2021, 22, 13292. <https://doi.org/10.3390/ijms222413292>

Q1 BIOCHEMISTRY & MOLECULAR BIOLOGY; Rank in Category:67 of 295

Impact factor: 6,13 (2021)

2022:

99. Aida Selaru#, Hildegard Herman#, George Mihail Vlăsceanu#, Sorina Dinescu*, Sami Gharbia, Cornel Balta, Marcel Rosu, Ciprian V. Mihali, Mariana Ionita, Andrada Serafim, Horia Iovu, **Anca Hermenean*** and Marieta Costache, Graphene–Oxide Porous Biopolymer Hybrids Enhance In Vitro Osteogenic Differentiation and Promote Ectopic Osteogenesis In Vivo, *Int. J. Mol. Sci.* 2022, 23, 491. <https://doi.org/10.3390/ijms23010491>

(*corresponding authors)

Q1 BIOCHEMISTRY & MOLECULAR BIOLOGY; Rank in Category:67 of 295

Impact factor: 6,13 (2021)

100. Tatiana Dumitra Panaite, Petru Alexandru Vlaicu, Mihaela Saracila, Ana Cismileanu, Iulia Varzaru, Sorina Nicoleta Voicu and **Anca Hermenean**, Impact of Watermelon Rind and Sea Buckthorn Meal on Performance, Blood Parameters, and Gut Microbiota and Morphology in Laying Hens, *Agriculture* 2022, 12, 177, <https://doi.org/10.3390/agriculture12020177>
Impact factor: 2,925 (2020)

101. Mirela Violeta Șerban, Simona-Rebeca Nazarie (Ignat), Sorina Dinescu*, Ionuț-Cristian Radu, Cătălin Zaharia, Elena-Alexandra Istrătoiu, Eugenia Tănasă, Hildegard Herman, Sami Gharbia, Cornel Baltă, **Anca Hermenean*** and Marieta Costache. 2022, Silk Proteins-Enriched Nanocomposite Hydrogels Based on Modified MMT Clay and Poly (2-hydroxyethyl methacrylate-co-2-acrylamido-2-methylpropane Sulfonic Acid) Display Favorable Properties for Soft Tissue Engineering, *Nanomaterials* 2022, 12, 503. <https://doi.org/10.3390/nano12030503>
(*corresponding authors)
Q1 PHYSICS, APPLIED in SCIE edition Rank in Category: 35 of 160
Impact factor: 5,075 (2020)

102. Maria Consiglia Trotta, Carlo Gesualdo, Francesco Petrillo, Giancuomo Cavasso, Alberto Della Corte, Giovanbattista D'Amico, **Anca Hermenean**, Francesca Simonelli, and Settimio Rossi, Serum Iba-1, GLUT5, and TSPO in Patients With Diabetic Retinopathy: New Biomarkers for Early Retinal Neurovascular Alterations? A Pilot Study, *Transl Vis Sci Technol.* 2022;11(3):16, <https://doi.org/10.1167/tvst.11.3.16>
Q2 OPHTHALMOLOGY edition Rank in Category: 19 of 62
Impact factor: 3,283 (2020)

103. Maria Consiglia Trotta†, Carlo Gesualdo†, Francesco Petrillo, Caterina Claudia Lepre, Alberto Della Corte, Giancuomo Cavasso, Giulia Maggiore, **Anca Hermenean**, Francesca Simonelli, Michele D'Amico and Settimio Rossi, Resolution of Inflammation in Retinal Disorders: Briefly the State, *Int. J. Mol. Sci.* 2022, 23(9), 4501; <https://doi.org/10.3390/ijms23094501>
Q1 BIOCHEMISTRY & MOLECULAR BIOLOGY; Rank in Category: 69 of 296
Impact factor: 6,208 (2021)

104. **Anca Hermenean**, Daniela Oatis, Hildegard Herman, Alina Ciceu, Giovanbattista D'Amico, Maria Consiglia Trotta, Galectin 1—A Key Player between Tissue Repair and Fibrosis, *Int. J. Mol. Sci.* 2022, 23, 5548. <https://doi.org/10.3390/ijms23105548>
Q1 BIOCHEMISTRY & MOLECULAR BIOLOGY; Rank in Category: 69 of 296
Impact factor: 6,208 (2021)

105. Daniela Oatis, Erika Simon-Repolski, Cornel Balta, Alin Mihu, Gorizio Pieretti, Roberto Alfano, Luisa Peluso, Maria Consiglia Trotta, Michele D'Amico, **Anca Hermenean**, Cellular and Molecular Mechanism of Pulmonary Fibrosis Post-COVID-19: Focus on Galectin-1, -3, -8, -9, *Int. J. Mol. Sci.* 2022, 23, 8210. <https://doi.org/10.3390/ijms23158210>
Q1 BIOCHEMISTRY & MOLECULAR BIOLOGY; Rank in Category: 69 of 296
Impact factor: 6,208 (2021)

106. Maria Consiglia Trotta, Francesco Petrillo, Carlo Gesualdo, Settimio Rossi, Alberto Della Corte, Judit Váradi, Ferenc Fenyvesi, Michele D'Amico, **Anca Hermenean**, Effects of the Calix[4]arene Derivative Compound OTX008 on High Glucose-Stimulated ARPE-19 Cells: Focus on Galectin-1/TGF-β/EMT Pathway, *Molecules* 2022, 27, 4785. <https://doi.org/10.3390/molecules27154785>
Q2 BIOCHEMISTRY & MOLECULAR BIOLOGY; Rank in Category: 114 of 296
Impact factor: 4,927 (2021)

107. Maria Consiglia Trotta, Carlo Gesualdo, Hildegard Herman, Sami Gharbia, Cornel Balta, Caterina Claudia Lepre, Marina Russo, Annalisa Itró, Giovanbattista D'Amico, Luisa Peluso, Iacopo Panarese, Gorizio Pieretti, Giuseppe Ferraro, Francesca Simonelli, Michele D'Amico, Settimio Rossi, Anca Hermenean, Systemic Beta-Hydroxybutyrate Affects BDNF and Autophagy into the Retina of Diabetic Mice, *Int. J. Mol. Sci.* 2022, 23, 10184. <https://doi.org/10.3390/ijms231710184>

Q1 BIOCHEMISTRY & MOLECULAR BIOLOGY; Rank in Category:69 of 296
Impact factor: 6,208 (2021)

108. Pop Calin, Hermenean Anca, Mos Liana, Cotoraci Coralia, Symptomatic Venous Thromboembolic Events in COVID-19 Patients after Hospital Discharge: Aspects to Consider, *Reviews in Cardiovascular Medicine*, 2022, 22(6), DOI 10.31083/j.rcm2306219

Impact factor: 4,43 (2021)

109. Sami Gharbia, Simona-Rebeca Nazarie, Sorina Dinescu, Cornel Balta, Hildegard Herman, Victor Eduard Peteu, Mihaela Gherghiceanu, Anca Hermenean* and Marieta Costache, Adipose-Derived Stem Cells (ADSCs) Supplemented with Hepatocyte Growth Factor (HGF) Attenuate Hepatic Stellate Cell Activation and Liver Fibrosis by Inhibiting the TGF- β /Smad Signaling Pathway in Chemical-Induced Liver Fibrosis Associated with Diabetes, *Cells* 2022, 11, 3338. <https://doi.org/10.3390/cells11213338>

Impact factor: 7,666 (2021)

2023:

110. Maria Consiglia Trotta, Hildegard Herman, Cornel Balta, Marcel Rosu, Alina Ciceu, Bianca Mladin, Carlo Gesualdo, Caterina Claudia Lepre, Marina Russo, Francesco Petrillo, Gorizio Pieretti, Francesca Simonelli, Settimio Rossi, Michele D'Amico, Anca Hermenean, Oral Administration of Vitamin D3 Prevents Corneal Damage in a Knock-Out Mouse Model of Sjögren's Syndrome, *Biomedicines* 2023, 11, 616.

<https://doi.org/10.3390/biomedicines11020616>

Impact factor: 4,75 (2022)

111. Alexandra Catalina Bîrca, Cristina Chircov, Adelina Gabriela Niculescu, Herman Hildegard, Cornel Balta, Marcel Rosu, Bianca Mladin, Oana Gherasim, Dan Eduard Mihaiescu, Bogdan Stefan Vasile, Alexandru Mihai Grumezescu, Ecaterina Andronescu., Anca Hermenean, H₂O₂-PLA-(Alg)₂Ca Hydrogel Enriched in Matrigel® Promotes Diabetic Wound Healing, *Pharmaceutics* 2023, 15, 857,

doi.org/10.3390/pharmaceutics15030857

Impact factor: 6,52 (2022)

112. Caterina Claudia Lepre, Marina Russo, Maria Consiglia Trotta, Francesco Petrillo, Fabiana Anna D'Agostino, Gennaro Gaudino, Giovanbattista D'Amico, Maria Rosaria Campitiello, Erminia Crisci, Maddalena Nicoletti, Carlo Gesualdo*, Francesca Simonelli, Michele D'Amico‡, Anca Hermenean‡ and Settimio Rossi‡, Inhibition of Galectins and the P2X7 Purinergic Receptor as a Therapeutic Approach in the Neurovascular Inflammation of Diabetic Retinopathy, *Int. J. Mol. Sci.* 2023, 24, 9721. <https://doi.org/10.3390/ijms24119721>

Impact factor: 6,208 (2021)

113. Alexandra Elena Stoica (Oprea), Alexandra Catalina Bîrca 1, Oana Gherasim, Anton Ficai, Alexandru Mihai Grumezescu, Ovidiu-Cristian Oprea, Bogdan Stefan Vasile, Cornel

Balta, Ecaterina Andronescu and **Anca Oana Hermenean**, Electrospun Fibrous Silica for Bone Tissue Engineering Applications, *Pharmaceutics* 2023, 15, 1728, <https://doi.org/10.3390/pharmaceutics15061728>
Impact factor 5,4 (2021)

114. Cornel Balta, Hildegard Herman, Alina Ciceu, Bianca Mladin, Marcel Rosu, Alciona Sasu, Victor Eduard Peteu, Sorina Nicoleta Voicu, Mihaela Balas, Mihaela Gherghiceanu, Anca Dinischiotu, Neli Kinga Olah and **Anca Hermenean**, Phytochemical Profiling and Anti-Fibrotic Activities of the Gemmotherapy Bud Extract of *Corylus avellana* in a Model of Liver Fibrosis on Diabetic Mice, *Biomedicines* 2023, 11, 1771. <https://doi.org/10.3390/biomedicines11061771>
Impact factor 4,7 (2021)

115. Alexandra Elena Stoica (Oprea), Alexandra Catalina Bîrca, Dan Eduard Mihaiescu, Alexandru Mihai Grumezescu, Anton Ficaï, Hildegard Herman, Balta Cornel, Marcel Rosu, Sami Gharbia, Alina Maria Holban, Bogdan Stefan Vasile, Ecaterina Andronescu, Anca Oana Hermenean, Biocompatibility and Antimicrobial Profile of Acid Usnic-Loaded Electrospun Recycled Polyethylene Terephthalate (PET)—Magnetite Nanofibers, *Polymers* 2023, 15, 3282. <https://doi.org/10.3390/polym15153282>

116. Maria Consiglia Trotta, Hildegard Herman, Alina Ciceu, Bianca Mladin, Marcel Rosu, Caterina Claudia Lepre, Marina Russo, Ildikó Bácskay, Ferenc Fenyvesi, Raffaele Marfella, **Anca Hermenean***, Cornel Balta, Michele D'Amico, Chrysin-based supramolecular cyclodextrin-calixarene drug delivery system: a novel approach for attenuating cardiac fibrosis in chronic diabetes, *Front. Pharmacol.*, vol.14 2023, doi.org/10.3389/fphar.2023.1332212 (* corresponding author)

2024:

117. Maria Consiglia Trotta, Carlo Gesualdo, Marina Russo, Caterina Claudia Lepre, Francesco Petrillo, Maria Giovanna Vastarella, Maddalena Nicoletti, Francesca Simonelli, Anca Hermenean, Michele D'Amico and Settimio Rossi, Changes in Circulating Acylated Ghrelin and Neutrophil Elastase in Diabetic Retinopathy, *Medicina* 2024, 60, 118. <https://doi.org/10.3390/medicina60010118>

118. Anca Hermenean, Eleftheria Dossi, Alex Hamilton, Maria Consiglia Trotta, Marina Russo, Caterina Claudia Lepre, Csilla Sajtos, Ágnes Rusznyák, Judit Váradi, Ildikó Bácskay, István Budai, Michele D'Amico and Ferenc Fenyvesi, Chrysin Directing an Enhanced Solubility through the Formation of a Supramolecular Cyclodextrin–Calixarene Drug Delivery System: A Potential Strategy in Antifibrotic Diabetes Therapeutics, *Pharmaceutics* 2024, 17, 107. <https://doi.org/10.3390/ph17010107>
AIS 2021 Q1

119. Marti, D.T.; Nesiú, A.; Balta, C.; Olariu, T.R.; Mihu, A.G.; Hermenean, A.; Oatis, D.A. Retrospective Analysis of Vitamin D Deficiency in an Adult Population of Arad County, Western Romania (2019–2022). *Life* **2024**, *14*, 274. <https://doi.org/10.3390/life14020274>

120. Cristian, R.-E.; Balta, C.; Herman, H.; Trica, B.; Sbarcea, B.G.; Hermenean, A.; Dinischiotu, A.; Stan, M.S. In Vivo Assessment of Hepatic and Kidney Toxicity Induced by Silicon Quantum Dots in Mice. *Nanomaterials* **2024**, *14*, 457. <https://doi.org/10.3390/nano14050457>

121. Daniela Oatis*, Hildegard Herman*, Cornel Balta, Alina Ciceu, Erika Simon-Repolski, Alin Gabriel Miha, Caterina Claudia Lepre, Marina Russo, Maria Consiglia Trotta, Antonietta Gerarda Gravina, Michele D'Amico and **Anca Hermenean**, Dynamic shifts in lung cytokine patterns in post-COVID-19 interstitial lung disease patients: a pilot study. *Therapeutic Advances in Chronic Disease*. 2024;15. doi:[10.1177/20406223241236257](https://doi.org/10.1177/20406223241236257)

122. Voicu, S.N.; Gheran, C.V.; Balta, C.; **Hermenean, A.**; Callewaert, M.; Chuburu, F.; Dinischiotu, A. In Vivo Evaluation of Innovative Gadolinium-Based Contrast Agents Designed for Bioimaging Applications. *Polymers* **2024**, *16*, 1064. <https://doi.org/10.3390/polym16081064>

Articles published in International Journals indexed in other International DataBases

Wilhelm I, Nyul-Toth A, Suci M, **Hermenean A**, Krizbai AI. 2016. Heterogeneity of the blood-brain barrier, *Tissue Barriers*. 5(1): e1143544