



CURRICULUM VITAE EUROPASS

ANNEXES

Prof. univ. dr. Anca Hermenean **Publication list (ISI articles)**
Other IDB articles

I. ISI Articles

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 β -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)

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

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., Suciu 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, JosefinaVegara-Meseguer, Miuşescu 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)
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
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