

PERSONAL INFORMATION

Anca HERMENEAN



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WORK EXPERIENCE

From 2020

**Professor - Associate Member**

Department of Biochemistry and Molecular Biology, Faculty of Biology, University of Bucharest, Romania, [www.unibuc.ro](http://www.unibuc.ro)

- Master Program: Applied Clinical Biochemistry; teaching courses and tutorials: Basis of the cellular and tissular pathology
- Research in histology, histopathology and electron microscopy

From 2017

**Professor - Associate Member**

Faculty of Engineering in Foreign Languages, Politehnica University of Bucharest, [www.upb.ro](http://www.upb.ro)

- Master Program: Biomaterials for Tissue Engineering; teaching courses and tutorials: Cell and Tissue Biology, Debilitating Diseases of Tissue, Experimental Models for Tissue Regeneration
- Business or sector** Academic

From 2016

**Director of VGWU Doctoral Studies Council**

Vasile Goldis Western University of Arad, Romania, [www.uvvg.ro](http://www.uvvg.ro)

- Management of Doctoral Studies Council, strategies for Doctoral Schools of Medicine and Biology
- Business or sector** Management

From 2010

**Vice-rector for Research**

Vasile Goldis Western University of Arad, Romania, [www.uvvg.ro](http://www.uvvg.ro)

- Management of Research in VGWUA
- Business or sector** Management

From 2020

**Director of Life Science Institute and Principal Investigator**

Institute of Life Sciences, Vasile Goldis Western University of Arad, Romania, [www.uvvg.ro](http://www.uvvg.ro)

- Management of research projects and research activity in microscopy labs and animal facility
- Business or sector** Research

From 2010

**Professor**

Faculty of Medicine, Vasile Goldis Western University of Arad, Romania, [www.uvvg.ro](http://www.uvvg.ro)

- Courses in Histology
  - Research in Histology/Cell biology
- Business or sector** Academic

EDUCATION AND TRAINING

- 2015 **Habilitation in Biology**  
Ministry of Education Decision no.4922/18.08.2015
  - Postdoctoral teaching and research qualification in PhD supervising in biology field
  
- 1997-2003 **PhD in Biology**  
Faculty of Biology, Babes-Bolyai University of Cluj-Napoca, Romania, www.ubb.ro
  - Electron microscopy, histopathology and immunohistochemistry basis
  
- 1989-1994 **Bs in Biology**  
Faculty of Biology, Babes-Bolyai University of Cluj-Napoca, Romania, www.ubb.ro

Mother tongue(s) Romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2

**PERSONAL SKILLS**

**Communication skills** Good communication skills gained through my experience of manager, teacher, scientist and speaker at scientific meetings

**Organisational / managerial skills** My activities highlighting organisational/managerial skills are listed below:

- Vice-Rector for research in VGWU (since 2010);
- Deputy director of Life Science Institute in VGWU (since 2010);
- Director of VGWU Doctoral Council (since 2016);
- **Project Manager:** 5 grants financed by european funds (Principal investigator), 9 grants financed by national funds (UEFISCDI and Romanian Academy (Principal Investigator)
- **Establish/Management of the new research infrastructures:** Animal facility of VGWU ([http://erris.gov.ro/animal\\_facility-ILS-UVVG](http://erris.gov.ro/animal_facility-ILS-UVVG)); Histopathology, Optical, Fluorescence and Confocal Microscopy Facility (<http://erris.gov.ro/Histology-ILS-UVVG>)

**Job-related skills** Areas of expertise – histology, histopathology, immunohistochemistry and electron microscopy in the following scientific fields:

- **Phytomedicine**  
Modulation of signal transduction pathways by phytochemicals  
Molecular regulation of anti-inflammatory responses by phytochemicals  
Molecular regulation of anti-fibrotic responses by phytochemicals  
Interactions between phytochemicals and different drugs or chemicals
- **Nanobiotechnology**  
Bio-interfaces characterization, in vivo biocompatibility studies  
Characterisation of interaction between nanomaterials/nanomedicines and biological systems (proteins, enzymes, cell membranes, organelles)  
In vivo assays for uptake studies, structural and ultrastructural toxicological effects
- **Regenerative medicine**  
In vivo biocompatibility studies  
Tissue repair and regeneration pathways  
Molecular signals, growth factors, molecular recognition

## ADDITIONAL INFORMATION

Driving licence	Driving licence B
Publications	118 peer-reviewed papers ( WoS Core Collection), 6 monographs and 3 chapters <b>H-index = 30 (Scopus) si 34 (Google scholar)</b>
Patents	<p>European patent: “<i>Pharmaceutical composition useful for preventing and treating liver disease, comprises oil isolated from Silybum marianum seed</i>”, Patent Number: WO2013124700-A2; HU201300110-A1, Patent assignee: Univ. Debrecen, Hungary and Vasile Goldis Western University of Arad, Romania</p> <p>Patent application no. A/01052, 05.12.2018 to OSIM “System drug delivery chrysin-random methyl-beta cyclodextrin (RAMEB) with anti-fibrosis potential to heal hepatic fibrosis lesions”</p> <p>Patent application no. A/00327, 14.06.2022 “Supramolecular “drug delivery” nanosystem for the delivery of flavonoids based on calix [4] arene derivatives (OTX008) and sulfobutylether-β-cyclodextrin (SBECD)” submitted to Romanian State Inventions and Trademarks Office (OSIM) – principal inventor</p> <p>Patent application no. A/00328, 14.06.2022 “Phytherapeutic composition based on gemotherapeutic extract of <i>Corylus avellana</i> enriched with chrysin / cyclodextrin nanocomplexes for liver fibrosis in diabetes” submitted to Romanian State Inventions and Trademarks Office (OSIM) - principal inventor</p>
Projects	5 grants projects financed by EU funds (manager), 9 research projects financed by national funds (UEFISCDI and Romanian Academy (manager), 1 project financed by structural funds (manager) 2 research projects financed by EU funds (researcher), 2 projects financed by structural funds (researcher)
Management Scientific Committees	COST TD0901 “Hypoxia sensing, signaling and adaptation” supported by the EU RTD Framework Programme, 2009-2013 (starting date: 16.11.2009; end date: 15.11.2013) <a href="http://hypoxianet.com">http://hypoxianet.com</a>
Editorial board	<p>International Journal of Molecular Sciences (MDPI), Section board for “Molecular Pathology, Diagnostics and Therapeutics”, IF=5,92 (<a href="https://www.mdpi.com/journal/ijms">https://www.mdpi.com/journal/ijms</a>)</p> <p>Experimental and Therapeutic Medicine (Spandidos Publications), Online ISSN: 1792-1015, IF=2,75 (<a href="https://www.spandidos-publications.com/etm">https://www.spandidos-publications.com/etm</a>)</p> <p>Medicine International (Spandidos Publications), Online ISSN: 2754-1304 (<a href="https://www.spandidos-publications.com/mi">https://www.spandidos-publications.com/mi</a>)</p> <p>Histology and Histopathology Research, Pulsus Publishing House</p> <p>Studia Universitatis Vasile Goldis, Life Science Series, ISSN: 1584-2363</p> <p>Timisoara Medical Journal</p>
Visiting professor	<p>2021-2022 “Luigi Vanvitelli” University of Campania, Department of Experimental Medicine located in Via S. Maria di Costantinopoli, 16 – 80138, Naples, Italy</p> <p>2022-2023 “Luigi Vanvitelli” University of Campania, Department of Advanced Medical and Surgical Sciences (DAMSS), Via S. Maria di Costantinopoli, 16 – 80138, Naples</p>
Research Projects Assessment	<p>Bulgaria Research Calls through the Ministry of Education and Research of Bulgaria (2008, 2009)</p> <p>EU Research Calls in the frame of Romania-Hungaria Cross-Border Cooperation Programme 2007-2013 (HURO/0801 and HURO/0901 Calls)</p> <p>Romania Research Calls through UEFISCDI (The Executive Agency for Higher Education, Research, Development and Innovation Funding)</p> <p>FLAG-ERA Joint Transnational Call 2019: FLAG-ERA - Graphene - Basic Research 2 2019</p> <p>Research Call through Estonian Research Council, 2021</p>
Certifications	<p>Project Manager (Certificate no. 0107518/2008 by Ministry of Work and Ministry of Education) and (Certificate Serie C no 1629/26.02.2019)</p> <p>ISO 14001 Environmental External Audit Expert (Certificate no. 0187898/2007 by Ministry of Work and Ministry of Education)</p> <p>ISO 9001 Quality External Audit Expert (Certificate no. 0187898/2007 by Ministry of Work and Ministry of Education)</p> <p>Expert in Research Management (Certificate by UEFISCDI through Strategic project: University Management Strengthening - 2011)</p>



# CURRICULUM VITAE EUROPASS

## ANNEXES

### Prof. univ. dr. Anca Hermenean Publications list

#### 2008

1. Hadaruga D.I., Hadaruga N., **Hermenean A.**, Ravis A., Paslaru V., Codina G. 2008. Bionanomaterials: Thermal Stability of the Oleic Acid /  $\alpha$ - and  $\beta$ -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)*

**Q3 AIS**

3.Munteanu M.C., Radu M., **Hermenean A.**, Sima C., Dinu D., Costache M., Grigoriu G., Dinischiotu A. 2010. Antioxidative response induced by SiO<sub>2</sub> 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)*

Q3 AIS

## 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)*

Q2 AIS

## 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)*

Q2 AIS

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)

Q3 AIS

## 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  $\beta$ -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)

Q2 AIS

13. Dinescu S., Ionita M., Pandele 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/SiO<sub>2</sub> 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)

Q2 AIS

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)

Q2 AIS



## 2015

16. Ionita M., Vasile E., Crica L.E., Voicu S.I., Pandele 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)

Q1 AIS

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)

Q2 AIS

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- $\beta$ /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)

Q2 AIS

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)

Q2 AIS

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. Histopathological 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)

Q2 AIS

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)**

Q3 AIS

23. Petrache 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)**

Q2 AIS

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)**

Q2 AIS

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)**

Q3 AIS

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)**

Q3 AIS



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)

Q1 AIS

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)

Q3 AIS

## 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)

Q2 AIS

32. Folk A, Cotoraci C, Balta C, Suci 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)

Q2 AIS

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-Voiculescu 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)**

Q2 AIS

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)**

Q1 AIS

## 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)**

Q1 AIS

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)**

Q1 AIS

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)

Q3 AIS

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)

Q3 AIS

41. **Hermenean A**, Mariașiu T, Navaro-González I, Josefina Vegara-Meseguer, Mișescu E, Chakraborty S, Pérez-Sánchez H. 2017. Hepatoprotective Activity of Chrysin is Mediated by Inhibition of TNF- $\alpha$ : 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)

Q3 AIS

42. Ivan A, Herman H, Balta C, Hadaruga DI, Mihali CV, Ardelean A, **Hermenean A**. 2017. Berberis vulgaris extract/ $\beta$ -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)

Q3 AIS

43. Zaulet M, Kevorkian S, Dinescu S, Cotoraci C, Suci 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)

Q3 AIS

## 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)

Q2 AIS

45. Burcea A, GO Popa, Florescu (Gune) IE, Gharbia A, Gaina G, Dudu A, Maoreanu 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)

Q2 AIS

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)  $\beta$ -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)

Q1 AIS

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)

Q2 AIS

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)

Q3 AIS

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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, *Farmacologia*, 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)

Q2 AIS

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)

Q1 AIS

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)

Q2 AIS

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)

Q2 AIS

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)

Q2 AIS

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)

Q2 AIS

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)

AIS 2021 Q2 ???? 2019



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)**  
 AIS 2021 Q1 ???? 2019
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)**  
 AIS ???? 2019
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)**  
 Q2 AIS
- 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)**  
 Q2 AIS
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)**  
 Q2 AIS
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)**  
 Q2 AIS



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](https://doi.org/10.3389/fphar.2020.00235)

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

*Impact factor: 3.845 (2018)*

Q1 AIS

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](https://doi.org/10.3390/ma13061433)

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

*Impact factor: 2.972 (2018)*

Q2 AIS

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](https://doi.org/10.3390/ma13071550)

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

*Impact factor: 2.972 (2018)*

Q2 AIS

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](https://doi.org/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)*

Q2 AIS

67. Anne Bannuscher, Bryan Hellack, Aileen Bahl, Julie Laloy, Hildegard Herman, Miruna S. Stan, Anca Dinischiotu, Anna Giusti, Benjamin-Christoph Krause, Jutta Tentschert, Marcel Roşu, 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)*

Q1 AIS

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)**

Q2 AIS

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)**

Q3 AIS

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)**

Q2 AIS

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)**

Q2 AIS

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)**

Q2 AIS

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)**

Q2 AIS

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)

**Q2 AIS**

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)

**Q2 AIS**

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)

**Q2 AIS**

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- $\beta$ -Cyclodextrin and (2-Hydroxypropyl)- $\beta$ -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)

**Q2 AIS**

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

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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)

**Q1 AIS**

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)

**Q1 AIS**

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)

Q2 AIS

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- $\beta$ -cyclodextrin and (2-Hydroxypropyl)- $\beta$ -cyclodextrin Enhances In Vivo Anti-Fibrotic and Anti-Inflammatory Effects of Chrysin via the Inhibition of NF- $\kappa$ B and TGF- $\beta$ 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)

Q2 AIS

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)

Q2 AIS

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)

Q2 AIS

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)

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