

INFORMATII PERSONALE

Anca HERMENEAN


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EXPERIENȚA PROFESIONALĂ

Din 2020

Profesor Asociat

Departamentul de Biochimie și Biologie Moleculară, Facultatea de Biologie, Universitatea din București, www.unibuc.ro

Program de Masterat: Biochimie Clinică Aplicată; cursuri și lucrări practice: Bazele patologiei celulare și tisulare

Tipul sau sectorul de activitate Academic/Cercetare

Din 2017

Profesor Asociat

Facultatea de Inginerie în Limbi Străine, Universitatea Politehnică din București, www.upb.ro

▪ Program de Masterat: Biomateriale pentru Inginerie Tisulară; cursuri și lucrări practice: Biologie Celulară și Tisulară, Patologie Tisulară, Modele Experimentale pentru Regenerare Tisulară

Tipul sau sectorul de activitate Academic

Din 2016

Director al Consiliului Studiilor Universitare de Doctorat din UVVG

Universitatea de Vest Vasile Goldiș din Arad (UVVG), www.uvvg.ro

▪ Management, strategii de dezvoltare

Tipul sau sectorul de activitate Management

Din 2010

Prorector cercetare

Universitatea de Vest Vasile Goldiș din Arad (UVVG), www.uvvg.ro

▪ Managementul cercetării în UVVG

Tipul sau sectorul de activitate Management

Din 2020

Director al Institutului de Științe ale Vieții/Coordonare grup cercetare

Institutul de Științe ale Vieții, Universitatea de Vest Vasile Goldiș din Arad (UVVG), www.uvvg.ro

▪ Managementul activităților de cercetare și coordonarea platformei de microscopie și Biobaza animale de laborator

Tipul sau sectorul de activitate Cercetare

Din 2010

Profesor

Facultatea de Medicină, Universitatea de Vest Vasile Goldiș din Arad (UVVG), www.uvvg.ro

▪ Cursuri de Histologie

▪ Cercetare în histologie/biologie celulară

Tipul sau sectorul de activitate Academic

2005-2010

Conferențiar

Facultatea de Medicină, Universitatea de Vest Vasile Goldiș din Arad (UVVG), www.uvvg.ro

▪ Cursuri de Histologie

- Cercetare în histologie/biologie celulară
Tipul sau sectorul de activitate Academic

2002-2005 Șef Lucrări

Facultatea de Medicină, Universitatea de Vest Vasile Goldiș din Arad (UVVG), www.uvvg.ro

- Cursuri de Histologie
- Cercetare în histologie/biologie celulară
Tipul sau sectorul de activitate Academic

1995-2002 Asistent

Facultatea de Medicină, Universitatea de Vest Vasile Goldiș din Arad (UVVG), www.uvvg.ro

- Cursuri de Histologie
- Cercetare în histologie/biologie celulară
Tipul sau sectorul de activitate Academic

EDUCATIE SI FORMARE COMPETENTE PERSONALE

2015 Abilitare în domeniul Biologie

Decizia Ministerului Educației nr.4922/18.08.2015

- Postdoctoral teaching and research qualification in PhD supervising in biology field

1997-2003 Doctorat în Biologie

Facultatea de Biologie, Universitatea Babes-Bolyai Cluj-Napoca, Romania, www.ubb.ro

- Microscopie Electronică, bazele histopatologiei si imunohistochimiei

1989-1994 Licență în Biologie

Facultatea de Biologie, Universitatea Babes-Bolyai Cluj-Napoca, Romania, www.ubb.ro

Limba maternă Romană

Alte limbi străine cunoscute

	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Engleză	C2	C2	C2	C2	C2

Competențe de comunicare

Bune competențe de comunicare dobândite în experiența de manager, profesor, cercetător și diseminare la conferințe științifice

Competențe organizaționale/manageriale

Activitățile profesionale care vizează competențe organizaționale/manageriale sunt următoarele:

- Pro-Rector cu cercetarea în UVVG (începând cu 2010), mai mult de 600 de angajați;
- Director Științific al Institutului de Științe ale Vieții din UVVG (începând cu 2010);
- Director al CSUD al UVVG (începând cu 2016);
- Manager proiect: 3 proiecte de cercetare finanțate din fonduri europene, 7 proiecte de cercetare finanțate din fonduri naționale (UEFISCDI și Academia Română), 1 proiect finanțat de EU
- Înființarea/Dezvoltarea/Managementul unor noi infrastructuri de cercetare: Biobaza Animale de Laborator a UVVG (http://erris.gov.ro/animal_facility-ILS-UVVG); Lab. Histopatologie, Platforma de Microscopie Optică, Microscopie Fluorescentă, Microscopie Confocală (<http://erris.gov.ro/Histology-ILS-UVVG>)

Competențe dobândite la locul de muncă

Arii de expertiză – histologie, histopatologie, imunohistochimie, microscopie electronica în următoarele domenii științifice:

▪ Fitomedicină și Drug delivery

Modularea căilor de transducție a semnalizării prin compuși fitochimici

Modularea răspunsului anti-inflamator și anti-fibrotic prin compuși fitoterapeutici

Mecanisme moleculare terapeutice ale compuși fitochimici în bolile hepatice, gastrointestinale și renale

▪ Nanobiotehnologii

Caracterizarea bio-interfețelor, studii de biocompatibilitate *in vivo*

Caracterizarea interacțiunilor între nanomateriale/nanocompuși și sisteme biologice (proteine, enzime, membrane celulare, organite)

Metodologii *in vivo* pentru analize toxicologice ale nanomateriale/nanocompuși

▪ Medicină Regenerativă

Studii de biocompatibilitate *in vivo* ale materialelor proiectate pentru regenerarea osoasă, cartilajinoasă și a regiunii maxilofaciale

Repararea tisulară și căile moleculare de regenerare ale țesuturilor osoase și cartilajinoase

Semnale moleculare, factori de creștere, recunoaștere moleculară în regenerarea osoasă, cartilajinoasă

Competențe digitale

AUTOEVALUARE

Procesarea informației	Comunicare	Creare de conținut	Securitate	Rezolvarea de probleme
Utilizator experimentat	UTILIZATOR EXPERIMENTAT	UTILIZATOR EXPERIMENTAT	UTILIZATOR EXPERIMENTAT	UTILIZATOR EXPERIMENTAT

- Word, Excell, Adobe Photoshop, Excell, Software microscopie

INFORMATII SUPLIMENTARE

Permis de conducere

Permis conducere B

Publicatii

122 articole ISI; H-index = 30 (Scopus), 36 (Google scholar)

(ex. Scientific Reports, Chemico-Biological Interaction, Toxicology in vitro, Drug and Chemical Toxicology, Dose-Response, Composites: Part B, International Journal of Molecular Sciences, American Journal of Physiology, Current Pharmaceutical Design, Frontiers in Pharmacology, Frontiers in Physiology, PloS One, Journal of Cellular and Molecular Medicine, British Journal of Pharmacology, Antioxidants, Biomolecules, Journal of Clinical Medicine, Journal of Physiology, Cells, Materials, Animals, Pharmaceuticals)

58 articole indexate în alte baze de date, 7 cărți, monografii și 3 capitole

- Brevete** Patent international- "*Pharmaceutical composition useful for preventing and treating liver disease, comprises oil isolated from Silybum marianum seed*", Patent numărul: WO2013124700-A2; HU201300110-A1, Institutii participante: Univ. Debrecen, Ungaria și Universitatea de Vest Vasile Goldiș din Arad
Patent național – aplicația nr. A/01052, 05.12.2018 depusă la OSIM "System drug delivery chrysin-random methyl-beta cyclodextrin (RAMEB) with anti-fibrosis potential to heal hepatic fibrosis lesions" – inventator principal

Patent național – aplicația nr. A/00327, 14.06.2022 depusă la OSIM "Nanosistem supramolecular "drug delivery" de livrare a flavonoidelor pe bază de derivate de calix[4]arene (OTX008) și sulfobutylether-β-cyclodextrin (SBECD) și procedeu de obținere" – inventator principal

Patent național - aplicația nr. A/00328, 14.06.2022 depusă la OSIM "Compoziție fitoterapeutică pe bază de extract gemoterapic de *Corylus avellana* îmbogățit cu nanocomplexe de crisină/ciclodextrine destinat fibrozei hepatice în diabetul zaharat și metoda de obținere a acesteia" – inventator principal
- Proiecte** 5 proiecte de cercetare finanțate din fonduri europene (manager), 7 proiecte de cercetare finanțate din fonduri naționale (UEFISCDI și Academia Română (manager), 1 proiect finanțat din fonduri structurale (manager) 2 proiecte de cercetare finanțate din fonduri europene (cercetător), 2 proiecte finanțate din fonduri structurale (cercetător)
- Management Scientific Committees** Membra în Comitetul de Management pentru România al acțiunii COST TD0901 "Hypoxia sensing, signaling and adaptation" finanțată din fonduri europene, EU RTD Framework Programme, 2009-2013 (începere: 16.11.2009; finalizare: 15.11.2013) <http://hypoxianet.com>
- Afilieri** Societatea Națională de Biologie Celulară (începând cu 1997)
Societatea Națională de Morfologie Normală și Patologică (începând cu 2004)
Asociația pentru Sănătatea și Protecția Mediului pentru Euroregiunea DKMT (începând cu 2007)
- Editorial board** International Journal of Molecular Sciences (MDPI), Section board for "Molecular Pathology, Diagnostics and Therapeutics", IF=5,92 (<https://www.mdpi.com/journal/ijms>)
Experimental and Therapeutic Medicine (Spandidos Publications), Online ISSN: 1792-1015, IF=2,75
Medicine International (Spandidos Publications), Online ISSN: 2754-1304
Histology and Histopathology Research, Pulsus Publishing House (<https://www.pulsus.com/histology-histopathology-research.html>)
Studia Universitatis Vasile Goldis, Life Science Series (<http://www.studiauniversitatis.ro/>)
Timisoara Medical Journal (<https://www.tmj.ro/>)
- Guest editor** Special Issue "Biocompatibility of Nanomaterials in Medical Applications", Nanomaterials, IF=5,71 (https://www.mdpi.com/journal/nanomaterials/special_issues/biocom_nano_med)

Special Issue "Liver Fibrosis Resolution: From Molecular Mechanisms to Therapeutic Opportunities", International Journal of Molecular Sciences, IF=6,208 (https://www.mdpi.com/journal/ijms/special_issues/Liver_Fibrosis_Resolution)

Special Issue "Bio-Organic Materials for Tissue Engineering and Regenerative Medicine", Pharmaceutics, IF=6,52 (https://www.mdpi.com/journal/pharmaceutics/special_issues/Bioorganic_Materials)

Special Issue "New Strategies and Therapeutic Targets Involved in Liver Fibrosis Management", Biomedicines, IF=4,75 (https://www.mdpi.com/journal/biomedicines/special_issues/45VHS95041)

Topic Editor: Diabetes and cardiovascular disease: new therapeutic interventions, Frontiers in Pharmacology, IF=5,6 (<https://www.frontiersin.org/research-topics/58668/diabetes-and-cardiovascular-disease-new-therapeutic-interventions>)

Peer-reviewer	Histology and Histopathology, Experimental and Therapeutic Medicine, Drug-Response, Drug and Chemical Toxicology, Toxicology and Applied Pharmacology, Toxin Review, In J Biol Macromol, IJMS, Frontiers in Pharmacology
Membra in Comisia de evaluare a tezelor de doctorat/abilitare	<p>2015 - Universitatea din București, Școala Doctorală de Biologie (2 teze doctorat)</p> <p>2016 - Universitatea din București, Școala Doctorală de Biologie (2 teze doctorat)</p> <p>2017 – Universitatea Campania Luigi Vanvitelli, Napoli, Itali, Școala Doctorală pentru Medicină Translațională (1 teză de doctorat)</p> <p>2018 – Universitatea din București, Școala Doctorală de Biologie ((1 teză de doctorat)</p> <p>2018 – Universitatea de Medicină și Farmacie Victor Babes Timisoara (2 teze doctorat)</p> <p>2018 – Universitatea Campania Luigi Vanvitelli, Napoli, Itali, Școala Doctorală pentru Medicină Translațională (1 teză de doctorat)</p> <p>2020 – UMF Farmacie Victor Babes Timisoara, Școala Doctorală de Medicină (1 teza doctorat)</p> <p>2020 – membra într-o comisie de abilitare (UVVG)</p> <p>2021 – membra într-o comisie de abilitare (UMF Carol Davila Bucuresti)</p> <p>2022 – Universitatea Campania Luigi Vanvitelli, Napoli, Itali, Școala Doctorală pentru Medicină Translațională (1 teză de doctorat)</p> <p>2022 - UMF Carol Davila Bucuresti (1 teza doctorat)</p> <p>2023 - UMF Carol Davila Bucuresti (1 teza doctorat), Universitatea de Medicină și Farmacie Victor Babes Timisoara (1 teza doctorat)</p> <p>2024 - Universitatea din București, Școala Doctorală de Biologie (1 teza doctorat)</p>
Visiting professor/ researcher	<p>2022-2023 “Luigi Vanvitelli” University of Campania, Department of Experimental Medicine, Via S. Maria di Costantinopoli, 16 – 80138, Naples</p> <p>2023-2024 “Luigi Vanvitelli” University of Campania, Department of Advanced Medical and Surgical Sciences (DAMSS), Via S. Maria di Costantinopoli, 16 – 80138, Naples</p> <p>2024-2025 “Luigi Vanvitelli” University of Campania, Department of Advanced Medical and Surgical Sciences (DAMSS), Via S. Maria di Costantinopoli, 16 – 80138, Naples</p>
Evaluare proiecte de cercetare	<p>Evaluare proiecte cercetare Bulgaria în cadrul competițiilor finanțate prin Ministrul Educației și Cercetării din Bulgaria (2008 – 19 proiecte; 2009 – 30 proiecte);</p> <p>Proiecte de cercetare cu finanțare europeană în cadrul Programului de Cooperare Transfrontalieră Romania-Ungaria 2007-2013 (HURO/0801 Call -15 projects; HURO/0901 Call -11 proiecte)</p> <p>Proiecte de cercetare UEFISCDI (IDEI 2007, TE 2010, PD 2010, RP 2010; TE 2019).</p> <p>FLAG-ERA Joint Transnational Call 2019: FLAG-ERA - Graphene - Basic Research 2 2019</p>
Certificări	<p>Manager Proiect (Certificat nr. 0107518/2008 eliberat de Ministerul Muncii si Ministerul Educației)</p> <p>Expert pentru Audit Extern Mediu ISO 14001 (Certificat nr. 0187898/2007 eliberat de Ministerul Muncii si Ministerul Educației) si (Certificat Seria C no 1629/26.02.2019)</p> <p>Expert pentru Audit Extern de Calitate ISO 9001 (Certificat nr. 0187898/2007 eliberat de MEN)</p> <p>Expert in Managementul Cercetării (Certificat de către UEFISCDI prin intermediul proiectului strategic: Întărirea Managementului Universitar - 2011)</p>
Anexe	





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 / 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)

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 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)

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)**

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., 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. 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)**

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.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)

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.

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