



Europass

Curriculum Vitae

Informații personale

Numele și prenumele **DINISCHIOTU ANCA**
Data și locul nașterii 15.12.1956, București
Adresa Universitatea din București
Facultatea de Biologie
Spl. Independentei 91-95, sector 5, București
Telefon 0213181575 Mobil:
Fax 0213181575/102
E-mail anca.dinischiotu@bio.unibuc.ro;
ancadinischiotu@yahoo.com

Domenii de competență Biochimie; Semnalizare celulară; Toxicologie moleculară

Experiența profesională

Perioada 2007-prezent
Poziția deținută Conducător doctorat în domeniul Biologie
Numele și adresa angajatorului Universitatea din București, Bd M Kogălniceanu, no., 36-46, 050107, București, România
Perioada 2004 - prezent
Poziția deținută Profesor universitar
Principalele activități și responsabilități Predare cursuri: Biochimie generală, Biochimia glucidelor și lipidelor, Biochimie metabolică, Toxicologie moleculară, Semnalizare celulară, Director și responsabil proiecte de cercetare
Perioada 1998 - 2004
Poziția deținută Conferențiar universitar

Perioada	1992 – 1998
Poziția deținută	Lector universitar
Perioada	1. 10. 1990 – 1992
Poziția deținută	Asistent universitar
Numele și adresa angajatorului	Universitatea din București, Bd M Kogălniceanu, no., 36-46, 050107, București, România
Perioada	1.11.1987 – 1.09.1990
Poziția deținută	Cercetător stiintific
Principalele activități și responsabilități	Cercetare
Numele și adresa angajatorului	Institutul de Cercetari Chimico Farmaceutice, Calea Vitan No. 112 C, sector 3, București, România
Perioada	1986-31.10. 1987
Poziția deținută	Cercetator stiintific
Principalele activități și responsabilități	Cercetare
Numele și adresa angajatorului	Institutul de cercetare si productie pentru cresterea pasarilor si animalelor mici, Balotesti, România
Perioada	1980-1986
Pozitia detinuta	Biochimist
Principalele activitati si responsabilitati	Cercetare
Numele si adresa angajatorului	Institutul de cercetare si productie pentru cresterea pasarilor si animalelor mici, Balotesti, România
	Activitate didactica
	1990-prezent : cursuri, laboratoare și seminarii la studenții Secțiilor de Biochimie, Biologie si Ecologie ale Facultății de Biologie:
	1990-1992- cursuri de Biotehnologie și Enzime immobilizate anii IV și V Biochimie
	1992- 1998 si 2009-2011-cursuri de Biochimia glucidelor și lipidelor anul III biochimie

1992- 1998- cursul de Biotehnologii avansate (Master Biochimie și Biologie Moleculară);
1998 - 2000 curs de Analize biochimice speciale an III Biochimie
1998 - 2006 curs Ingineria proteinelor (Master Biochimie și Biologie Moleculară);
1998-2006 curs Metabolism intermediar an IV Biochimie-Chimie
2001- 2005 Biochimie generală anII Biologie-Ecologie
2003 – 2007 Biochimia Sistemelor integrate an III Biochimie
2003-2007 Biochimie generală an II Biochimie
2005 –2015 Biochimie generala la ciclul licenta, anii I Biologie, Biochimie, Ecologie
2003 –2010 curs de Metode în Biotehnologia Moleculară, (in colaborare, Master Microbiologie și Biotehnologie, an V)
2007-prezent curs de Toxicologie moleculară (Master Biochimie și Biologie Moleculară);
2007-2012 curs de Proteomică (Master Biochimie și Biologie Moleculară);
2011-prezent cursuri de Biochimie metabolica si Metabolismul tesuturilor specializate, an III Biochimie
2012-prezent curs de Semnalizare celulara (Master Biochimie și Biologie Moleculară)
2015- prezent, curs de Biochimie generala, an I Biologie
- lucrări practice si seminarii de Biochimie generala, Vitamine si hormoni, Analize Biochimice Speciale, Metabolism, Enzimologie, Biotehnologie, Biochimia glucidelor și lipidelor, Toxicologie moleculară si proteomică

Experiența Științifică și de Cercetare în Biochimie, Biologie Celulară și Moleculară (publicatii si contracte)

Carti si Lucrări Publicate si comunicate

6 cursuri universitare; 105 articole in reviste ISI, 70 in reviste din tara cu referenti (indexate in baze de date, cotate CNCSIS), **51 comunicari** la congrese, simpozioane, conferinte internationale, **h=22**.

ACTIVITATEA DE CERCETARE STIINTIFICA:

Domenii de interes in cercetare: stresul oxidativ și apoptoza induse de metale grele, pesticide, micotoxine în celule umane și tesuturi de pește (2002-2011); studii de

biocompatibilitate ale unor materiale nanostructurate folosite in medicina regenerativa (2004-prezent); nanosenzori (2010-prezent); nanotoxicologie (2007-prezent); compusi de glicare avansata a proteinelor si efectele lor in cadrul unor cai de semnalizare in diabetul zaharat (2008-prezent); efectul hepatoprotector si renoprotector al unor extracte vegetale (2012-prezent).

Contracte de cercetare : 5 internaționale (1 coordonator/responsabil, 4 colaborator), interne de tip CNCSIS (2 director, 4 colaborator); 23 PCDI (3 director, 2 responsabil UB BCUM-BM, 18 colaborator) 16 CEEX (1 director, 5 responsabil UB BCUM-BM, 10 colaborator) 8 PN2 (1 director, 2 responsabil UB BCUM-BM, 5 colaborator) 1 PCCE (in calitate de responsabil) 1 proiect EURONANOMED (in calitate de responsabil), 1 proiect SINN (in calitate de responsabil),

Proiecte POSDRU: manager al proiectului POSDRU/88/1.5/S/61150 „Studii doctorale in domeniul stiintelor vietii si pamantului” (2010-2013)

ALTE ACTIVITATI

- Evaluator proiecte PNCDI, CEEX, CNCSIS
- Director al Departamentului de Biochimie (2000-2007)
- Prodecan al Facultății de Biologie (2004- 2012)
- Membru al Consiliului Facultății de Biologie (1997-prezent) si a Senatului Universitatii din Bucuresti (2000-2004)
- Presedinte al Comisiei de contestatii in domeniul Stiinte Biomedicale din CNADCU din 2013 -2016
- Director al scolii doctorale de biologie din 2012-2016

STAGII ȘI CURSURI DE SPECIALIZARE

Perioada	1971-1975
Titlul si calificarea obtinuta	<i>Diploma de Bacalaureat Seria I nr. 2342/3.07.1975</i>
Numele institutiei organizatoare	Liceul “Nicolae Bălcescu”actualmente Colegiul National “Sfantul Sava”, Secția Real, Bucuresti
Perioada	1975-1979
Titlul si calificarea obtinuta	<i>Diplomat universitar</i> în specialitatea Biochimie, Diploma Nr. 327556/23.10.1980

Numele institutiei organizatoare Universitatea Bucuresti, Facultatea de Biologie,

Perioada 1979-1980-

Titlul si calificarea obtinuta specializare în biochimie (master), Certificat seria C Nr.179/13.04.1992

Numele institutiei organizatoare Universitatea Bucuresti, Facultatea de Biologie,

Perioada 1990-1995

Titlul si calificarea obtinuta Doctor in biologie, *Diploma de Doctor* în Biologie Seria M Nr.000415/5.06.1995

Numele institutiei organizatoare Universitatea din București,

Perioada 2 ianuarie - 30 decembrie 1996

Titlul și calificarea obținută Post-doctorant

Numele instituției organizatoare Universitatea Catolica din Leuven, Belgia

Limbi străine cunoscute

Engleză
Franceză

Citit

Foarte bine
Bine

Vorbit

Foarte bine
Bine

Scris

Foarte bine
Bine

Membru în societăți științifice naționale

Societatea Națională de Biochimie si Biologie Moleculara



Universitatea din București
Facultatea de Biologie
Departamentul de Biochimie și Biologie Moleculară
Prof. dr. Anca Dinischiotu

L I S T A

lucrărilor științifice în domeniul disciplinelor din postul didactic

- A. **Teza de doctorat:** *Aspecte ale metabolismului fosforului in sperma de pasare*
- B. **Cărți și capitole în cărți**
1. *Lipid Peroxidation Due to In Vitro Exposure of Biological Samples to Nanoparticles*, în *Oxidative Stress and Nanotechnology Methods and Protocols, Methods in Molecular Biology*, Editori: Donald Amstrong, Dhruba J. Bharali, 2013, **Anca Dinischiotu**, Loredana Stanca, Daniela Grădinaru, Sorina Nicoleta Petrache, Mihaela Radu, Andreea Iren Șerban, Springer Science+Business Media New York, DOI 10.1007/978-1-62703-475-3, 1028:155-64
 2. *Biochimie Generala, vol I, Proteine, Glucide și Lipide*, **Anca Dinischiotu**, Marieta Costache, Ed. Ars Docendi, 2004, ISBN 973-558-134-5; 973-558-133-7, 200 p
 3. *Biochimie Generală, vol II, Acizi nucleici: Structură și organizare*, Marieta Costache, **Anca Dinischiotu**, Ed. Ars Docendi, 2004, ISBN 973-558-134-5; 973-558-135-3, 200 p
 4. *Metode de analiză Biochimică, Vol I, Electroforeza*, Marieta Costache, **Anca Dinschiotu**, ed. Ars Docendi, 2004, ISBN 973-558-137-X, 250p
 5. *Introducere în studiul Biochimiei*, **Anca Dinischiotu**, curs post universitar în sistem ID finanțat de Programul Băncii Mondiale pentru Învățământul Rural, 2005, ISBN 973-0-04270-5, 203 p
- C. **Lucrări indexate ISI/BDI publicate**

ISI

1. **A. Dinischiotu**, L. Ion, I.F.Dumitru, Correlations between the activities of semen acid phosphatase and Ca^{2+} -ATPase and age in different breeds of cocks, **Comp.Biochem.Physiol.**, 103B, 289-292, 1992, **IF=0.77**
2. I.F.Dumitru, **A. Dinischiotu**, Cock seminal plasma acid phosphatase: active site directed inactivation, crystallization and *in vitro* denaturation-renaturation studies, **Int. J. Biochem**, 26,497-503, 1994, **IF=1,059**
3. **A. Dinischiotu**, M. Beullens, W. Stalmans, M.Bollen, Identification of sds22 as an inhibitory subunit of protein phosphatase-1 in rat liver nuclei, **FEBS Lett.**, 402, 141-144, 1997, **IF=3,504**
4. N.Dojană, M. Costache, **A. Dinischiotu**, The Activity of some digestive enzymes in domestic rabbits before and after weaning, **Animal Science**, 66, 501-517, 1998, **IF= 1,082**
5. C. Van Hoof, V. Janssens, **A. Dinischiotu**, W. Merlevede, J. Goris. Functional analysis of conserved domains in the phosphotyrosyl phosphatase activator. Molecular cloning of the homologues from *Drosophila melanogaster* and *Saccharomyces cerevisiae*. **Biochemistry**, 37, 12899-12908, 1998, **IF=4,628**
6. C. Postolache, C. Postolache, D. Dinu, **A. Dinischiotu**, V.E. Sahini, Post-irradiation repairing processes of glucose-6-phosphate dehydrogenase and catalase from *Hansenula polymorpha* yeast, **Rev Roum Chim**, 47(1-2),17-23, 2002, **IF=0,192**
7. S. Paraschiv, M.C. Munteanu, A.C. Staicu, M.R. Luca, C. Tesio, D. Dinu, M. Costache, **A. Dinischiotu**, The Biochemical Response to Acute Manganese (II) Intoxication in the Intestine and Gills of *Carassius auratus gibelio*, **Rev Roum Chim**, 51(12), 1175-1179, 2006, **IF=0,33**
8. C. Mazilu, L. Ionescu, E. Rotiu, **A. Dinischiotu**, A. Câmpean, Bioactive vitroceramic utilized in modern reparatory medicine, **J Optoel Adv Mat**, 8(2), 741-744, 2006, **IF=0,577**
9. D. Dinu, M. T. Nechifor, Gh. Stoian, M. Costache, **A. Dinischiotu**, Enzymes with new biochemical properties in the pectinolytic complex produced by *Aspergillus niger* MIUG 16, **J Biotechnol**, 131, 128-137, 2007, **IF=3,18**

10. C. Mazilu, E. Rotiu, L. Ionescu, D. Radu, **A. Dinischiotu**, Nanoporous glass in Na₂O-B₂O₃-SiO₂oxidic system, for potential biomedical applications, **J Optoelectron Adv Mater**, 9 (7), 2036-2040, 2007, **IF=0,577**
11. B.A. Sava, **A. Dinischiotu**, A. Cimpean, Biocompatible glass for ionomeric cements, **Optoel Mat Rap Comm**, 2 (5), 258-261, 2008, **IF=0,477**
12. A. Dudu, S.E. Georgescu , R. Suciuc , **A. Dinischiotu**, M. Costache, Microsatellite DNA **Adv** variation in the black sea beluga sturgeon (*Huso huso*), **Rom Biotechnol Lett**, 13(3), 3776-3783, 2008, **IF=0,33**
13. C. Luca, A. Manea , A. Luca , **A. Dinischiotu**, M. Costache, Molecular Phylogeny of the Romanian Cyprinids from the Danube River, **Rom Biotechnol Lett**, 13(5),3970-3975, 2008, **IF=0,33**
14. A.I. Serban, M. Costache, **A. Dinischiotu**, AGEs and Glucose Levels Modulate Type I and III Procollagen mRNA Synthesis Dermal Fibroblasts Cells Culture, **Exp Diabet Res**, ID 473603, 2008, 7 pages , **IF=2,88**
15. R. Huculeci , D. Dinu, A.C. Staicu, M.C. Munteanu, M. Costache, **A. Dinischiotu**, Malathion- Induced Alteration of the Antioxidant Defence System in Kidney, Gill and Intestine of *Carassius auratus gibelio*, **Environ Toxicol**, 24(6), 523-530, 2009, **IF=2,708**
16. A.I. Şerban, E. Condac, M. Costache, **A. Dinischiotu**, The Relationship between AGEs, Cu²⁺ and Crosslinking of Collagen, **Rev Roum Chim**, 54(1), 93-101, 2009, **IF=0,263**
17. G.O. Dragomir Bodea , M.C. Munteanu , D. Dinu, A.I. Şerban., F. Israel Roming, M. Costache, **A. Dinischiotu**, Influence of Deoxynivalenol on the Oxidative Status of HepG2 cells, **Rom Biotechnol Lett**, 14(2), 4349-4359, 2009, **IF=0,219**
18. D. Dinu, D. Marinescu, M.C. Munteanu, A.C. Staicu, M. Costache, **A. Dinischiotu**, The Modulatory Effects of Deltamethrin on Antioxidant Defense Mechanism and Lipid Peroxidation in *Carassius auratus gibelio* Liver and Intestin, **Arch Env Contam Toxicol**, 58(3), 757-764, 2010, **IF=2,012**
19. M.C. Munteanu, M. Radu, A. Hermenean, C. Sima, D. Dinu, M. Costache, C. Grigoriu, **A. Dinischiotu** Antioxidative response induced by SiO₂ nanoparticles in MRC5 cell line, **Rom Biotechnol Lett**, 15(1), 5000-5007, 2010, **IF=0,219**

20. D. Predoi, E. Andronescu, M. Radu, M.C. Munteanu, **A. Dinischiotu**, Synthesis and characterization of bio-compatible maghemite nanoparticles, **Digest J Nanom Biostr**, 5(3), 779-786, 2010, **IF=1,75**
21. M. Radu, M.C. Munteanu, S. Petrache, A.I. Serban, D. Dinu, A. Hermenean, C.Sima, **A. Dinischiotu**, Depletion of intracellular glutathione and increased lipid peroxidation mediate cytotoxicity of hematite nanoparticles in MRC-5 cells, **Acta Biochim Pol**, 57 (3), 355-360, 2010, **IF=1,19**
22. Breusing N, Grune T, Andrisic L, Atalay M, Bartosz G, Biasi F, Borovic S, Bravo L, Casals I, Casillas R, **Dinischiotu A**, Drzewinska J, Faber H, Fauzi NM, Gajewska A, Gambini J, Gradinaru D, Kokkola T, Lojek A, Luczaj W, Margina D, Mascia C, Mateos R, Meinitzer A, Mitjavila MT, Mrakovcic L, Munteanu MC, Podborska M, Poli G, Sicinska P, Skrzydlewska E, Vina J, Wiswedel I, Zarkovic N, Zelzer S, Spickett CM., An inter-laboratory validation of methods of lipid peroxidation measurement in UVA-treated human plasma samples, **Free Rad Res**, 44(10), 1203-1215, 2010, **IF=2,80**
23. I.D. Popescu, R. Albulescu, E. Raducan, **A. Dinischiotu**, C. Tanase, Applications of SELDI-TOF technology in cancer biomarkers discovery, **Rom Biotechnol Lett**, 15(5), 5654-5667, 2010, **IF=0,219**
24. A. Costescu , I. Pasuk., F. Ungureanu, **A. Dinischiotu**, M. Costache, F. Huneau, S. Galaup, P. Le Coustumier, D. Predoi , Physico-chemical properties of nano-sized hexagonal hydroxyapatite powder synthesized by sol-gel, **Digest J Nanom Biostr**, 5(4), 989-1000, 2010, **IF=1,75**
25. A. Dudu, S.E. Georgescu, O. Popa, **A. Dinischiotu**, M. Costache, Mitochondrial 16S and 12S rRNA sequence analysis in four salmonid species from Romania. **Acta Zool Acad Sci Hung**, 57(3), 233-246, 2011, **IF=0,564**
26. S.L. Iconaru, F. Ungureanu, A. Costescu, M. Costache, **A. Dinischiotu**, D. Predoi, Characterization of Sucrose Thin Films for Biomedical Applications. **J Nanomat**, 1-6, doi:10.1155/2011/291512, 2011, **IF=1,376**
27. D. Dinu, G.O. Bodea, C.D. Ceapa, M.C. Munteanu, F. Israel Roming, A.I. Serban , A. Hermenean , M. Costache, O. Zarnescu, **A. Dinischiotu**, Adapted response of the

- antioxidant defense system to oxidative stress induced by deoxynivalenol in Hek-293 cells. **Toxicol** 57, 1023-1032, 2011, **IF=2,332**
28. C.S. Ciobanu, F. Massuyeau, E. Andronescu, M.S. Stan, **A. Dinischiotu**, D. Predoi, Biocompatibility study of europium doped crystalline hydroxyapatite bioceramics. **Digest J Nanomat Biostruct**, 6(4), 1639-1647, 2011, **IF=2,079**
29. A.I. Serban, M. Costache, **A. Dinischiotu**, Controversial behavior of aminoguanidine in the presence of either reducing sugars or soluble glycated bovine serum albumin. **Carbohydrate Res**, 346, 2872-2880, 2011, **IF=2,332**
30. D. Predoi, C.S. Ciobanu, M. Radu, M. Costache, **A. Dinischiotu**, C.A. Popescu, I.N. Mihailescu, E. Gyorgyi, Hybrid dextran-iron oxide thin films deposited by laser techniques for biomedical applications. **Mat Sci Engineering: C**, 32(2), 296-302, 2012, **IF=2,596**
31. L. Stanca, S.N. Petrache, M. Radu, A.I. Serban, M.C. Munteanu, D. Teodorescu, A.C. Staicu, C. Sima, M. Costache, C. Grigoriu, O. Zarnescu, **A. Dinischiotu**, Impact of silicon-based quantum dots on the antioxidative system in white muscle of *Carassius auratus gibelio*, **Fish Physiol Biochem.**, 38(4), 963-75, 2012, **IF=1,545**
32. M. Corban, I. Roman, R. Trusca, **A. Dinischiotu**, I. Carceanu, N. Stan, C. Fratila, Aspects Regarding Alloying Effect on Electrochemical Stability of the Sintered Titanium, **Rev Chim**, 63 (1), 22-26, 2012, **IF=0,331**
33. C.S. Ciobanu, S.L. Iconaru, E. Gyorgy, M. Radu, M. Costache, **A. Dinischiotu**, P. Le Coustumer, K. Lafdi, D. Predoi, Biomedical properties and preparation of iron oxide-dextran nanostructures by MAPLE technique, **Chem Cent J**, 6(1):17, 2012, **IF=1,312**
34. A. Hermenean, C. Popescu, A.Ardelean, M. Stan, N. Hadaruga, C.-V. Mihali, M. Costache, **A. Dinischiotu**, Hepatoprotective Effects of *Berberis vulgaris* L. extract/ β cyclodextrin on Carbon Tetrachloride-Induced Acute Toxicity in Mice. **Int J Mol Sci**, 13, 9014-9034, 2012, **IF=2,464**
35. C. Sturzoiu, V. Manea, **A. Dinischiotu**, C. Drainas, G. Stoian. A sucrose hypertolerant mutant *Zymomonas mobilis* strain is a high levan producer. **Rom Biotech Lett**, 17(2), 7318-7324, 2012, **IF=0,363**

36. S.N.Petrache, L. Stanca, A.I. Serban, C. Sima, A.C. Staicu, M.C. Munteanu, M. Costache, R. Burlacu, O. Zarnescu., **A. Dinischiotu**, Structural and Oxidative Changes in the Kidney of Crucian Carp Induced by Silicon-Based Quantum Dots, **Int J Mol Sci**,13, 10193-10211, 2012, **IF=2,464**
37. B. Galateanu, S. Dinescu, A. Cimpean, **A. Dinischiotu**, M. Costache, Modulation of Adipogenic Conditions for Perspective Use of hADSCs in Adipose Tissue Engineering, **Int J Mol Sci**,13, 15881-15900, 2012, **IF=2,464**
38. D. Teodorescu, M.C. Munteanu, A.C. Staicu, **A. Dinischiotu**, Changes in Lactate Dehydrogenase Activity in Carassius auratus gibelio (L.Pisces) Kidney, Gills and intestine induced by Acute exposure to Copper, **Rom Biotech Lett** 17(6), 7873-7880, 2012, **IF=0,363**
39. C.S. Ciobanu, S.L. Iconaru, I. Pasuk, B.S. Vasile, A.R. Lupu, A. Hermenean, **A. Dinischiotu**, D. Predoi, Structural properties of silver doped hydroxyapatite and their biocompatibility. **Mat Sci Eng C Mater Biol Appl**, 33(3), 1395-1402, 2013, **IF=2,596**
40. S. Dinescu, B. Galateanu, M. Albu, A. Cimpean, **A. Dinischiotu**, M. Costache. Sericin Enhances the Bioperformance of Collagen Based Matrices Preseeded with Human-Adipose Derived Stem Cells (hADSCs), **Int J Mol Sci**, 14, 1870-1889, 2013, **IF=2,464**
41. L. Stanca, S.N. Petrache, A.I. Şerban, A.C. Staicu, C. Sima, M.C.Munteanu, O.Zărnescu, D. Dinu, **A. Dinischiotu**, Interaction of silicon-based quantum dots with gibel carp liver: oxidative and structural modifications, **Nanoscale Res Lett**, 8(1), 254-265, 2013, **IF=2,524**
42. A. Hermenean, A. Ardelean, M. Stan, H. Herman, C.V. Mihali, M. Costache, **A. Dinischiotu**, Protective effects of naringenin on carbon tetrachloride-induced acute nephrotoxicity in mouse kidney, **Chem Biol Interact**, 205(2)138-147, 2013, **IF=2,967**
43. A. Hermenean, A. Ardelean, M. Stan, N. Hadaruga, C.V. Mihali, M. Costache, **A. Dinischiotu**, Antioxidant and Hepatoprotective Effects of Naringenin and Its β -Cyclodextrin Formulation in Mice Intoxicated with Carbon Tetrachloride: A Comparative Study **J Med Food**, 2014, **IF=1,642**

44. Cojocaru, M. Radu, L.G. Bodea, M.M. Cimpeanu, G. Gheorghita, G. Stoian, **A. Dinischiotu**, Water-Soluble *Pleurotus ostreatus* Polysaccharide Down-Regulates the Expression of MMP-2 and MMP-9 in Caco-2 Cells. **Not Bot Horti Agrob**, 41(2), 553-559, 2013, **IF=0,59**
45. I. Roman, R.D. Trusca, M.L. Soare, C. Fratila, E. Krasicka-Cydzik, M.S. Stan, **A. Dinischiotu**, Titanium dioxide nanotube films: Preparation, characterization and electrochemical biosensitivity towards alkaline phosphate. **Mater Sci Eng C Mater Biol Appl**, 37, 374-382, 2014, **IF=3,088**
46. C.L. Popa, C.S. Ciobanu, S.L. Iconaru, M.Stan, **A. Dinischiotu**, C.C. Negrila, M. Montelico-Heino, R. Guegan, D. Predoi, Systematic investigation and in vitro biocompatibility studies on mesoporous europium doped hydroxyapatite. **Cent Eur J Chem**, 12(10), 1032-1046, 2014, **IF=1,167**
47. M. Prodana, A. Voiculet, S. Garea, M. Radu, H. Iovu, I. Demetrescu, **A. Dinischiotu**, Synthesis, characterization and controlled toxicity of a novel hybrid material based on cisplatin and docetaxel. **Open Chemistry**, 12(10), 1008-1015 2014, **IF=1,091**
48. I. Roman, M.L. Soare, R.D. Trusca, C. Fratila, E Krasicka-Cydzik, M.S. Stan, **A. Dinischiotu**, Electrochemical Biosensitivity of Titania Nanotubes towards alkaline Phosphatase, IL-6 and IL-8 Interleukins Biomarkers, **J Electrochem Soc**, 161(14), B275-B282, 2014 **IF=3,266**
49. S.N.P. Voicu, D.I. Udeanu, **A. Dinischiotu**, C.A. Ionita, The influence of two synthesized prostamides on oxidative stress induced in RAW 264.7 murine macrophage cell line. *Farmacia*, 62(3), 496-505, 2014, **IF=1,25**
50. M.S. Stan, I. Memet, C. Fratila, E. Krasicka-Cydzik, I. Roman, **A. Dinischiotu** , Effects of titanium-based nanotube films on osteoblast behavior in vitro. **J Biomed Mater Res A**, 103(1), 48-56, 2015, **IF=3,369**
51. A.I. Serban, L. Stanca, O.I. Geicu, M.C. Munteanu, M. Costache, **A. Dinischiotu**, Extracellular matrix is modulated in AGEs milieu via a RAGE receptor dependent pathway boosted by TGF- β 1. **J Diabetes**, 7(1), 114-124, 2015 **IF=1,932**
52. M. Prodana, M. Duta, D. Ionita, D. Bojin, M.S. Stan, **A. Dinischiotu**, I. Demetrescu (2015) A new complex ceramic coating with carbon nanotubes hydroxyapatite and

- TiO₂ nanotubes on Ti surface for biomedical applications. **Ceramics Int**, 41(5), 6318-6325, 2015, **IF=2,6**
53. P. Fehér, Z. Ujhelye, M. Vecsernyés, F. Fenyvesi, G. Damache, A. Ardelean, M. Costache, **A. Dinischiotu**, A. Hermenean, I. Bácskay Hepatoprotective effects of a self-microemulsifying drug delivery system containing *Sylibum marianum* native seed oil against experimentally induced liver injury. **Pharmazie**, 70, 1-8, 2015, **IF=1.00**
54. A. Hermenean, M. Stan, A. Ardelean, L. Pilat, C.V. Mihali, C. Popescu, L. Nagy, G. Deák, M. Zsuga, S. Kéki, I. Bácskay, F. Fenyvesi, M. Costache, **A. Dinischiotu**, M. Vecsernyés Antioxidant and hepatoprotective activity of milk thistle (*Silybum marianum* L. Gaertn.) seed oil. **Open Life Sci**, 10, 147-158, 2015, **IF=0,71**
55. A. I. Serban, L. Stanca, C. Sima, A.C. Staicu, O. Zarnescu, **A. Dinischiotu** Complex responses to Si quantum dots accumulation in carp liver tissue: beyond oxidative stress. **Chem Biol Inter**, 239, 56-66, 2015, **IF=2,577**
56. D. Vasile, M. Tenciu, N. Patriche, M. Costache, **A. Dinischiotu**, L. Tofan The acute toxicity of copper and zinc on the protected stellate sturgeon juveniles (*Acipenser stellatus* Palas 1771), **Carpath J Earth Env Sci**, 10(1), 101-106, 2015, **IF= 0,7**
57. M. Radu, D. Dinu, C. Sima, R. Burlacu, A. Hermenean, A. Ardelean, **A. Dinischiotu**, Magnetite nanoparticles induced adaptive mechanisms counteract cell death in human pulmonary fibroblasts, **Toxicol in vitro**, 29(7), 1592-1602, 2015, **IF=2,903**
58. A. Hermenean, G. Damache, P. Albu, A. Ardelean, G. Ardelean, D.P. Ardelean, M. Horge, T. Nagy, M. Braun, M. Zsuga, S. Keki, M. Costache, **A. Dinischiotu**. Histopathological alterations and oxidative stress in liver and kidney of *Leuciscus cephalus* following exposure to heavy metals in the Tur River, North Western Romania, **Ecotox Environ Safety**, 119, 198-205, 2015, **IF= 2,762**
59. M.S. Stan, C. Sima, L.O. Cinteza, **A. Dinischiotu** , Silicon-based quantum dots induce inflammation in human lung cells and disrupt extracellular matrix homeostasis. **FEBS J**, 282 (15), 2914-2929, 2015, doi: 10.1111/febs 1330, **IF=4,001**

60. A.I. Serban, L. Stanca, O.I. Geicu, **A. Dinischiotu**, AGEs-Induced IL-6 Synthesis Precedes RAGE Up-Regulation in HEK 293 Cells: An Inflammatory Mechanism?, **Int J Mol Sci**, 16 (9), 20100-20117, 2015, **IF= 2,862**
61. D. Margina, O.T. Olaru, M. Ilie, D. Gradinaru, C. Gutu, S. Voicu, **A. Dinischiotu**, D.A. Spandidos, A.M. Tsatsakis. Assessment of the potential benefits of certain total extracts from *Vitis vinifera*, *Aesculus hyppocastanum* and *Curcuma longa*. **Exp Ther Med**, 10(5), 1681-1688, 2015, **IF= 1,269**
62. A.O. Mocanu, A. Mulya, H.Huang, O.Dan, Shimizu H., Batayyah E., Brethauer S.A., **A. Dinischiotu**, J.P. Kirwan. Effect of Roux-en-Y Gastric Bypass on the NLRB3 Inflammasome in Adipose Tissue from Obese Rats, **PloS One**, 10(10), e0139764, 2015, **IF=3,234**
63. I.M. Popescu, L.O. Cinteza, A. Hermenean, **A. Dinischiotu**. In vivo exposure of mice spleen to magnetite nanoparticles encapsulated in phospholipid polymeric micelles;an oxidative stress and structural approach. **Dig J Nanomat Biostruct**, 10(3), 871-881, 2015, **IF=0,945**
64. S.N. Petrache Voicu, D. Dinu, C. Sima, A. Hermenean, A. Ardelean, E. Codrici, M.S. Stan, O. Zarnescu, **A. Dinischiotu**. Silica Nanoparticles Induce Oxidative stress and Autophagy but Not Apoptosis in the MRC-5 Cell Line. **Int J Mol Sci**, 16, 29398-29416, 2015, **IF=3,22**
65. M.Radu (Balas), I.M. Din (Popescu), A. Hermenean, O.L. Cinteza, R. Burlacu, A. Ardelean, **A. Dinischiotu**, Exposure to Iron Oxide Nanoparticles Coated with Phospholipid-Based Polymeric Micelles Induces Biochemical and Histopathological Pulmonary Changes in Mice. **Int J Mol Sci**, 29417-29435, 2015, **IF=2,862**
66. M. Prodana, A. Duma (Voiculet), S. Costanda, M.Balas, **A. Dinischiotu**, I. Demetrescu, In vitro Assessment of Functionalized Multiwalled Nanotubes with Oxaliplatin on Human Cancerous cells. **Mat Plast**, 52(4), 457-463, 2015, **IF=0,824**
67. V.G. Vasilescu, M.S. Stan, I. Patrascu, **A. Dinischiotu**, A. Vasilescu. In vitro testing of materials biocompatibility with controlled chemical composition. **Rom J Mater**, 45(4), 315-323, 2015, **IF=0,563**

68. L. Stanca, C. Sima, S.N. Petrache (Voicu), A.I. Serban, **A. Dinischiotu**. In vitro evaluation of the morphological and biochemical changes induced by Si/SiO₂ QDs exposure of HepG2 cells. **Rom Rep Phys**, 67(4), 1512-1524, 2015, **IF=1,517**
69. S.I. Cojocaru, M.S. Stan, M. Anton, M.R. Luca, G. Gheorghita, G. Stoian, **A. Dinischiotu**. The cytotoxic activity of sanguinarine in C32 human amelanotic melanoma cells. **Turkish J Biol**, 40(1), 130-136, 2016, **IF= 1,34**
70. A.I. Serban, L. Stanca, O.I. Geicu, M.C. Munteanu, **A. Dinischiotu**. RAGE and TGF- β 1 Cross-Talk Regulates Extracellular Matrix Turnover and Cytokine Synthesis in AGEs Exposed Fibroblast Cells, **PLOS One**, 11(3): e 0152376, 2016, **IF=3,234**
71. M. Beregoi, C. Busuioc, A. Evangelidis, E. Matei, F. Iordache, M. Radu, **A. Dinischiotu**, I. Enculescu. Electrochromic properties of polyaniline-coated fiber webs for tissue engineering applications. **Int J Pharm**, 510 (2), 465-473, 2016, **IF=3,65**
72. M.S. Stan, S. Costanda, V. Grumezescu, C. Andronescu, A.M. Ene, A.M. Holban, B.S. Vasile, L. Mogoanta, T.A. Balseanu, G.D. Mogoseanu, G. Socol, A.M. Grumezescu, **A. Dinischiotu**, V. Lazar, M.C. Chifiriuc, Thin coatings based on ZnO@C18-usnic acid nanoparticles prepared by MAPLE inhibited the development of *Salmonella enterica* early biofilm growth. **Appl Surf Sci**, 374,318-325, 2016, **IF=2,711**
73. D. Radulescu, V. Grumezescu, E. Andronescu, A.M. Holban, A.M. Grumezescu, G. Socol, A.E. Oprea, M. Radulescu, A. Surdu, R. Trusca, R. Radulescu, M.C. Chifiriuc, M.S. Stan, S. Costanda, **A. Dinischiotu**. Biocompatible cephalosporin-hydroxyapatite-poly(lactic- glycolic acid)-coating fabricated by MAPLE technique for the prevention of bone implant associated infections. **Appl Surf Sci**, 374, 387-396, 2016, **IF=2,711**
74. S. Costanda, M.S. Stan, C.S. Ciobanu, M. Montelica Heino, R. Guégan, K. Lafdi, **A. Dinischiotu**, D. Predoi. Carbon Nanotubes Hydroxyapatite Nanocomposites for an Improved Osteoblast Cell Response. **J Nanomat**, Article ID 3941501, 10 pages, 2016, **IF=1,644**

75. I.C. Nica, M.S. Stan, **A. Dinischiotu**, M. Popa, M.C. Chifiriuc, V. Lazar, G.G. Pircalabioru, E. Berzitzoglou, O.G. Iordache, E. Varzaru, I. Dumitrescu, M. Feder, F. Vasiliu, I. Mercioniu, L. Diamandescu. Innovative Self-Cleaning and Biocompatible Polyester Textiles Nano-Decorated with Fe-N-Doped Titanium Dioxide. **Nanomaterials**, 6, 214, doi:10.3390/nano6110214, 2016, **IF=2,69**
76. M.S. Stan, I.C. Nica, **A. Dinischiotu**, E. Varzaru, O.G. Iordache, I. Dumitrescu, M. Popa, M.C. Chifiriuc, G.G. Pircalabioru, V. Lazar, E. Berzitzoglou, M. Feder, L. Diamandescu. Photocatalytic, Antimicrobial and Biocompatibility Features of Cotton Knit Coated with Fe-N-Doped Titanium Dioxide Nanoparticles. **Materials**, 9, 789, doi:10.3390/ma9090789, 2016, **IF=2,728**
77. M. Balas, S. Constanda, A. Duma-Voculet, M. Prodana, A. Hermenean, S. Pop, I. Demetrescu, **A. Dinischiotu**. Fabrication and toxicity characterization of a hybrid material based on oxidized and aminated MWCNT loaded with carboplatin. **Toxicol in vitro**, 37, 189-200, 2016, **IF= 3,338**
78. D. Gradinaru, D. Margina, C. Borsa, C. Ionescu, M. Ilie, M. Costache, **A. Dinischiotu**, G.I. Prada. Adiponectin: possible link between metabolic stress and oxidative stress in the elderly. **Aging Clin Exp Res**, 2016, doi: 10.1007/s40520-016-0629-z, **IF=1,368**
79. A.O. Mocanu, A. Mulya, H. Huang, O.Dan, P.R. Schauer, **A. Dinischiotu**, S.A. Brethauer, J.P. Kirwan. Effect of Roux-en Y Gastric Bypass on the NLRP3 Inflammasome in Pancreatic Islets from Zucker Diabetic Fatty Rats. **Obes Surg**, 2016, doi:10.1007/s11695-016-2373-z, **IF=3,346**
80. G. Rigaux , C.V. Gheran, M. Callewaert, S.N. Voicu, **A. Dinischiotu**, M.C. Andry, L. Vander Elst, S. Laurent, R.N. Muller, A. Berquand, M. Molinari, S. Huclier-Markai, F. Chuburu. Characterization of Gd loaded chitosan-TPP nanohydrogels by a multi-technique approach combining dynamic light scattering (DLS), asymmetrical flow-field-flow-fractionation (AF4) and atomic force microscopy (AFM) and design of positive contrast agents for molecular resonance imaging (MRI), **Nanotechnology**, 28(5), 055705, 2017, **IF=3.44**
81. M. Balaş, C.S. Ciobanu, C. Burtea, M.S. Stan, E. Berzitzoglou, D. Predoi, **A. Dinischiotu**. Synthesis, Characterization and Toxicity Evaluation of Dextran

Coated Iron Oxide Nanoparticles. **Metals**, 7(2), 63, doi: 10.3390/met7020063 2017, **IF=1.984**

82. I.C. Nica, M.S. Stan, M.Popa, M.C. Chifiriuc, V.Lazăr, G.G. Pîrcălăbioru, I. Dumitrescu, M. Ignat, M. Feder, L.C. Tănase, I. Mercioniu, L. Diamandescu, **A. Dinischiotu**. Interaction of New- Developed TiO₂-Based Photocatalytic Nanoparticles with Pathogenic Microorganisms and Human Dermal and Pulmonary Fibroblasts. **Int J Molec Sci**, 18 (2), 249, doi: 10.3390/ijms/8020249, 2017, **IF=3,226**
83. D. Ioniță, M. Vardaki, M. S. Stan, **A. Dinischiotu**, I. Demetrescu. Enhance Stability and in vivo Cell Response to a Bioinspired Coating on Zr Alloy with Increasing Chitosan Content, **J Bionic Eng**, 14 (3), 459-467, 2017, **IF=2.388**
84. Y. Belabassi, J. Moreau, V. Gheran, C. Henoumont, A. Robert, M. Callewaert, G. Rigaux, C. Cadiou, L. Vander Elst, S. Laurent, R.N. Muller, **A. Dinischiotu**, S.N. Voicu, F. Chuburu. Synthesis and characterization of PEGylated and fluorinated chitosans application to the synthesis of targeted nanoparticles for drug delivery, **Biomacromolecules**, 18(9) 37p, DOI:10.1021/acs.biomac.7600668, 2017, **IF=5,246**
85. D. Grădinaru, Margină D., C. Borsa , C. Ionescu, M. Ilie, M. Costache, **A. Dinischiotu**, G.-I. Prada. Adiponectin:possible link between metabolic stress and oxidative stress in the elderly. **Aging Clin Exp Res**, 29(4), 621-629, 2017, **IF=2,121**
86. I.C. Nica, M.S. Stan, M. Popa, M.C. Chifiriuc, G.C. Pîrcălăbioru, V. Lazăr, I. Dumitrescu, L. Diamandescu, M. Feder, M.Baibarac, M. Cernea, V.A. Maraloiu, T. Popescu, **A. Dinischiotu**. Development and Biocompatibility Evaluation of Photocatalytic TiO₂/Reduced Graphene Oxide-Based Nanoparticles Designed for Self-Cleaning Purposes. **Nanomaterials**, 7(9), 279, 2017, **IF=3,553**
87. A. Hermenean, G. Gheorghiu, M.S. Stan, H. Herman, B. Oniță, D.P. Ardelean, A. Ardelean, M. Braun, M. Zsuga, S. Kéki, M. Costache, **A. Dinischiotu**. Biochemical Histological and Molecular Responses in Gills of *Leuciscus cephalus* Exposed to Metals. **Arch Env Contamin Toxicol**, 73(4), 607-618, 2017, **IF=2,421**
88. L. Stănică, M. Gheorghiu, M. Stan, C. Polonschii, S. David, D. Bratu, **A. Dinischiotu**, C.T. Supuran, E. Gheorghiu. Quantitative assessment of specific

- carbonic anhydrase inhibitors effect on hypoxic cells using electrical impedance assays. **J Enzym Inhib Med Chem**, 32(1), 1079-1090, 2017, **IF=4,293**
89. N. Tsoulos, E. Papadopoulou, V. Metaxa-Mariatou, G. Tsaousis, C. Efstathiadou, G. Tounta, A. Scapeti, E. Bourkoula E., P. Zarogoulidis, G. Pentheroudakis, S. Kakolyris, I. Boukovinas, P. Papakotoulas, E. Athanasiadis, T. Floros, A. Koumarianou, V. Barbounis, **A. Dinischiotu**, G. Nasioulas. Tumor molecular profiling of NSCLC patients using next generation sequencing, **Oncology Rep**, 38(6), 3419-3429, 2017, **IF=2,976**
90. N. Anghel, H. Herman, C. Baltă, M. Roșu, M.S. Stan, D. Niță, A. Ivan, Z. Galajda, A. Ardelean, **A. Dinischiotu**, A. Hermenean. Acute cardiotoxicity induced by doxorubicin in right ventricle is associated with increase of oxidative stress and apoptosis in rats. **Histol Histopatol**, 33(4), 365-378, 2018, **IF=2,015**
91. M. Andrei, **A. Dinischiotu**, A.C. Didilescu, D. Ioniță, I. Demetrescu. Periodontal materials and cell biology for guided tissue and bone regeneration. **Annals Anat**, 216, 164-169, 2018, **IF=1,852**
92. C.V. Gheran, G. Rigaux G., M. Callewaert, A. Berquand, M. Molinari, F. Chuburu, S.N. Voicu, **A. Dinischiotu**. Biocompatibility of Gd-Loaded Chitosan-Hyaluronic Acid Nanogels as Contrast Agents for Magnetic resonance Cancer Imaging. **Nanomaterials**, 8(94), 201, 2018, **IF=3,504**
93. A. Hudiță, B. Gălățeanu, S. Dinescu, M. Costache, **A. Dinischiotu**, C. Negrei, M. Stan, A. Tsatsakis, D. Nikitovic, D. Lupuliasa, A. Bălănescu. In Vitro Effects of Cetylated Fatty Acids Mixture from Celatrin on Chondrogenesis and Inflammation with Impact on Osteoarthritis. **Cartilage**, 1947603518775798, 2018, **IF=2,621**
94. G.C. Marinescu, R.G. Popescu, **A. Dinischiotu**. Size Exclusion Chromatography Method for Purification of Nicotinamide Mononucleotide (NMN) from Bacterial Cells. **Sci Rep**, 8(1), 4433, 2018, **IF=4,122**
95. M. Badea, M. Prodana, **A. Dinischiotu**, C. Crihana, D. Ioniță, M. Balaș. Cisplatin Loaded Multiwalled Carbon Nanotubes Induce Resistance in Triple Negative Breast Cancer Cells. **Pharmaceutics**, 10(4), 228, 25 pages, 2018, **IF=3,746**
96. I. Demetrescu, C. Dumitriu, G. Totea, C. Nica, **A. Dinischiotu**, D. Ioniță. Zwitterionic Cysteine Drug Coating Influence in Functionalization of Implantable

- Ti50Zr Alloy for Antibacterial, Biocompatibility and Stability Properties. **Pharmaceutics**, 19(4), 220, 2018, **IF=3,746**
97. C.C. Manole, **A. Dinischiotu**, C. Nica, I. Demetrescu, C. Pîrvu. Influence of electrospun TiO₂ nanowires on corrosion resistance and cell response of Ti50Zr alloy. **Mat Corr**, 69(11), 1609-1619, 2018, **IF=1,259**
98. A. Stoian, I. Demetrescu, A. Mazăre, **A. Dinischiotu**, C. Nica, D. Ioniță. Electrochemical stability and cell response of nanostructures elaborated on zirconium, **Mat Corr**, 69(8), 1039-1046, 2018, **IF=1,259**
99. O.I. Geicu, L. Stanca, **A. Dinischiotu**, A.I. Șerban. Proteomic and immunochemical approaches to understanding the glycation behaviour of the casein and β -lactoglobulin fractions of flavoured drink under UHT processing conditions. **Sci Rep**, 8(1), 12869, 2018, **IF=4,122**
100. G.C. Marinescu, R.G. Popescu, G. Stoian, **A. Dinischiotu**. β nicotinamide mononucleotide (NMN) production in Escherichia coli, **Sci Rep**, 8(1), 12278, 2018, **IF=4,122**
101. M.S. Stan, I.C. Nica, M. Popa, M.C. Chifiriuc, O. Iordache, I. Dumitrescu, L. Diamandescu, **A. Dinischiotu**. Reduced graphene oxide/TiO₂ nanocomposites coating of cotton fabrics with antibacterial and self-cleaning properties. **J Ind Textile**, 1528083718779447, 2018, **IF=1,283**
102. M. Balaș, F. Dumitrache, M. Badea, C. Fleaca, A. Bădoi, E. Tănasă, A. Dinischiotu. Coating Dependent In Vitro Biocompatibility of New Fe-Si Nanoparticles. **Nanomaterials**, 8(7), 495, 2018, **IF=3,504**
103. M.S. Stan, L.O. Cintează, L. Petrescu, M.A. Mernea, O. Calborean, D.F. Mihăilescu, C. Sima, **A. Dinischiotu**. Dynamic analysis of the interactions between Si/SiO₂ quantum dots and biomolecules for improving applications based on nano-bio interfaces, **Sci Rep**, 8(1), 5289, 2018, **IF= 4,122**
104. S. Gharbia, C. Baltă, H. Herman, M. Roșu, J. Varadi, I. Bacskay, M. Vecsemyes, F. Fenyvesi, S.N. Voicu, M. Stan, R.E. Cristian, **A. Dinischiotu**, A. Hermenean. Enhancement of sylimarin anti-fibrotic effects by complexation with hydroxypropyl (HPBCD) and randomly methylated (RAMEB) β cyclodextrins in a mouse model of liver fibrosis. **Frontiers Pharmacol**, 9, 883, 2018, **IF=3,841**

- 105.M.S. Stan, M.A. Badea, G.G. Pîrcălăbioru, M.C. Chifiriuc, L. Diamandescu, I. Dumitrescu, B. Trică, C. Lambert, **A. Dinischiotu**. Designing cotton fibers impregnated with photocatalytic graphene oxide/Fe, N-doped TiO₂ particles as prospective industrial self-cleaning and biocompatible textiles. **Mat Sci Eng C**, 94, 318-332, 2019, **IF=5,08**
- 106.D. Vasile, G. Găină, L.C. Petcu, D. Coprean, L. Tofan, **A. Dinischiotu**. Bioaccumulation of Copper and Zinc and the Effects on Antioxidant Enzyme Activities in the Liver of *Acipenser stellatus* (Pallas,1771). **Bull Env Contamin Toxicol**, 102 (1), 39-45, 2019, **IF=1,418**
- 107.P.C. Balaure, A.M. Holban, A.M. Grumezescu, G.D. Mogoşanu, T.A. Bălşeanu, M.S. Stan, **A. Dinischiotu**, A. Volceanov, L. Mogoantă. In vitro and in vivo studies of novel fabricated bioactive dressing based on collagen and zinc oxide 3D scaffolds. **Int J Pharm**, 557, 199-207, 2019, **IF=3,862**
- 108.A. Strugari, M.S. Stan, S. Gharbia, A. Hermenean, A. Dinischiotu**. Characterization of Nanoparticles Intestinal transport Using an In Vitro Co-culture Model. **Nanomaterials**, 9(1), 5, 2019, **IF=3,504**

BDI

1. C. Munteanu, D. Dinu, M. Costache, C. Tesio, **A. Dinischiotu**, The antioxidant defence system induced in Huh7 cells by manganese (II) administration, **Roum. Biotech. Lett.**, 11 (5), 2891-2896, 2006
2. R. Huculeci, R. Molnar, D. Dinu, C. Staicu, E. Ionică, M. Costache, **A. Dinischiotu**, The response of Huh7 cells Scavenger Enzymes to Cadmium, **Roum. Biotech. Lett.**, 11 (5), 2885-2890, 2006
3. C. Luca, V. Tică, E. Ionică, **A. Dinischiotu**, C. Tesio, M. Costache, Simultaneous analysis of two markers provides phylogenetic relationships for the cyprinid fish, **Roum. Biotech. Letters**, vol.11(5), 2865-2874, 2006
4. S. E. Georgescu, E. Condac, **A. Dinischiotu**, M. Costache, Molecular basis and diagnosis of SCID in Arabian horses, **Roum. Biotech. Letters**, vol.11(5), 2875-2880, 2006
5. R. Vătăşescu-Balcan, S.E. Georgescu, M.A. Manea, M. Rebedea, **A. Dinischiotu**, M. Costache, Incidence of BLAD and DUMPS carriers in Romanian cattle breeds, **Roum. Biotech. Letters**, vol.11(5), 2881-2884, 2006
6. A.I. Serban, E. Condac, **A. Dinischiotu**, M.Costache, E. Ganea, Collagen glycooxidation in vitro, **Rom.J. Biochem**, vol. 43-44, 51-62, 2007
7. **A. Dinischiotu**, D.Dinu, M. Rebedea, G. Stoian, I. Taranu, D. Marin, M. Costache, Biochemical effects induced by deoxynivalenol intoxication in piglets, **Biotechnology in Animal Husbandry, 2nd International Congress on Animal Husbandry: New Perspectives and Challenges of Sustainable livestock Farming**, Belgrad, Zemun, Serbia, 3-5 October, vol.23 (5-6), Book 2, 245-250, 2007

8. D. Costin, A. Staicu, R. Huculeci, G. Stoian, M. Costache, **A. Dinischiotu**, Renal effects of deltamethrin induced intoxication in *Carassius auratus gibelio* (Pisces Cyprinidae), **Biotechnology in Animal Husbandry, 2nd International Congress on Animal Husbandry: New Perspectives and Challenges of Sustainable livestock Farming**, Belgrad, Zemun, Serbia, 3-5 October, vol.23 (5-6),Book 2, 399-404, 2007
9. G. Dragomir, R. Huculeci, C. Munteanu, C. Ceapa, L. Bodea, **A. Dinischiotu**, The effect of deoxynivalenol on hepatic cell line Hep G2, **Biotechnology in Animal Husbandry, 2nd International Congress on Animal Husbandry: New Perspectives and Challenges of Sustainable livestock Farming**, Belgrad, Zemun, Serbia, 3-5 October, vol.23 (5-6), Book 1, 583-588, 2007
10. A.C. Staicu, M.C.Munteanu, D.Costin, M. Costache, **A. Dinischiotu**, Histological changes in deltamethrin-induced intoxication in *Carassius auratus gibelio* (Pisces Cyprinidae), **Biotechnology in Animal Husbandry, 2nd International Congress on Animal Husbandry: New Perspectives and Challenges of Sustainable livestock Farming**, Belgrad, Zemun, Serbia, 3-5 October, vol.23 (5-6), Book 1, 619-626, 2007
11. C. Luca, S.M.E. Kevorkian, **A. Dinischiotu**, M. Costache, Romanian Cyprinids phylogeny based on 16S ARN mitochondrial genes, **Biotechnology in Animal Husbandry, 2nd International Congress on Animal Husbandry: New Perspectives and Challenges of Sustainable livestock Farming**, Belgrad, Zemun, Serbia, 3-5 October, vol.23 (5-6), Book 2, 405-410, 2007
12. S.E.Georgescu, R.A. Vatasescu-Balcan, M. Rebedea, **A. Dinischiotu**, M. Costache, Molecular genetics approaches in farm animals in Romania, **Biotechnology in Animal Husbandry, 2nd International Congress on Animal Husbandry: New Perspectives and Challenges of Sustainable livestock Farming**, Belgrad, Zemun, Serbia, 3-5 October, vol.23 (5-6), Book 1, 1-10, 2007
13. R.A. Vatasescu-Balcan, M.A. Manea, S.E.Georgescu, **A. Dinischiotu**, C.D. Tesio, M. Costache, Evidence of single point mutation inducing BLAD disease in Romanian Holstein-derived cattle breed , , Belgrad, Zemun, Serbia, 3-5 October, vol.23 (5-6 **Biotechnology in Animal Husbandry, 2nd International Congress on Animal Husbandry: New Perspectives and Challenges of Sustainable livestock Farming**), Book 1, 375-382, 2007
14. S.E. Georgescu, M.A. Manea, **A.Dinischiotu**, C.D.Tesio, M. Costache, Diagnostication of hyperkalemic periodic paralysis in horses, **Lucrarile Stiintifice Zootehnie si Biotehnologie**, Vol. 40(1), Editura AGROPRINT Timisoara, 96-100, 2007,
15. R.A. Vătășescu-Balcan, S.E. Georgescu, M.A. Manea, **A. Dinischiotu**, C.D.Tesio, M. Costache, Identification of beta-lactoglobulin and kappa-casein genotypes in cattle, **Lucrarile Stiintifice Zootehnie si Biotehnologie**, Vol. 40(1), Editura AGROPRINT Timisoara, 211-216, 2007
16. D. E. Marin, I.Țăranu, C.Tabuc, G. Ștefan, **A. Dinischiotu**, G. Manda, G. Dumitrescu, **Lucrarile Stiintifice Zootehnie si Biotehnologie**, Vol. 40(1), Editura AGROPRINT Timisoara, 479-484, 2007
17. L.G.Bodea, C. Ceapa, G. Dragomir, M.C. Munteanu, Gh. Stoian, M. Costache, **A. Dinischiotu**, The aqueous polysaccharidic extract from the edible mushroom *Pleurotus ostreatus* has an antioxidant effect on HUH-7, MDA-MB 231 and MDA-MB 435 cells, **Romanian Biological Sciences**, Vol.V (1-2), 11-12, 2007

18. C. Ceapa, O. Dragomir, L.G. Bodea, **A. Dinischiotu**, C. Munteanu, Gh. Stoian, M. Costache, Citotoxicity and antioxidant enzyme response to hypericin in human carcinoma cell lines, **Romanian Biological Sciences**, Vol.V (1-2), 27-28, 2007
19. O. Dragomir, C. Ceapa, L.G. Bodea, C. Munteanu, Gh. Stoian, M. Costache, **A. Dinischiotu**, Anti-oxidative effect of *Mellilotus officinalis* extract rich in coumarin on MDA-MB 231, MDA-MD 435 and Huh7 cell lines, **Romanian Biological Sciences**, Vol.V (1-2), 39-40, 2007
20. A.I. Serban Capatina, E. Condac, M. Costache, **A. Dinischiotu**, The Formation of AGEs by *in vitro* Glycoxidation of Collagen, **Proceedings of 2nd European Conference on Chemistry for Life Sciences, Wroclaw (Poland), September 4-8**, Medimond International Proceedings, ISBN 978-88-7587-409-4, 107-111, 2007
21. A.C. Staicu, M.C. Munteanu, **A. Dinischiotu**, Malathion induced histological modifications in gills and kidney of *Carassius auratus gibelio*, **Lucrari stiintifice Zootehnie si Biotehnologii**, 41(1), 448-453, 2008 Editura AGROPRINT Timisoara
22. D. Teodorescu, M.C. Munteanu, A.C. Staicu, L. Mester, **A. Dinischiotu**, LDH activity in copper intoxication of *Carassius auratus gibelio* gills and intestine, **Lucrari stiintifice Zootehnie si Biotehnologii**, 41(2), 169-174, 2008 Editura AGROPRINT Timisoara
23. A.I. Serban, E. Condac, **A. Dinischiotu**, M. Costache, E. Ganea, 2007, Collagen glycoxidation *in vitro*, **Rom.J. Biochem**, vol. 43-44, 51-62
24. C. Sturzoiu, M. Petrescu, B. Galateanu, M. Anton, C. Nica, G.I. Simionca, **A. Dinischiotu**, G. Stoian (2011), *Zymomonas mobilis* Levan is Involved in Metalloproteinases Activation in Healing of Wounded and Burned Tissues. **Scientific Papers. Animal Science and Biotechnologies**, vol.44 (1), 453-458
25. S.I. Cojocaru, M. Stan, G. Stoian, **A. Dinischiotu** (2015) Effects of *Zingiber officinale* Roscoe fresh extract on amelanotic melanoma and normal skin fibroblasts. **Rev Med Chir Soc Med Nat Iasi**, 119(2), 592-596
26. C.V. Gheran, S.N. Voicu, G. Rigaux, M. Callewaert, F. Chuburu, **A. Dinischiotu** (2017) Biological effects induced by gadolinium nanoparticles on lymphocytes A20 cell line, **Eurobiotech J**, 1(1), 63-70

D. Lucrări publicate în ultimii 10 anii în reviste și volume de conferințe cu referenți (neindexate)

1. S.E. Georgescu, E. Condac, **A. Dinischiotu**, C. Tesio, M. Costache, A new method for SCID diagnostics among arabian horses, **Biotechnology 2006** Č. Budějovice, edited by Václav Řehout, Scientific Pedagogical Publishing Č. Budějovice, ISBN 8085645-53-X, 830-832, 2006
2. S.E. Georgescu, M.A. Manea, S. Kevorkian, M. Rebedea, **A. Dinischiotu**, C.D. Tesio, M. Costache, Genetic characterization of Romanian Sport Horse Breed Using 17 Microsatellites, **Lucrările Stiintifice Zootehnie si Biotehnologie**, Vol. 39(1), Editura AGROPRINT Timisoara, 53-58, 2006

3. C. Luca, V. Tica, **A. Dinischiotu**, C.Tesio, M. Costache, Molecular Phylogeny of Cyprinidae Based on Cytochrom b DNA Sequences, **Lucrarile Stiintifice Zootehnie si Biotehnologie**, Vol. 39(1), Editura AGROPRINT Timisoara, 71-76, 2006
4. R. Vatasescu, S.E. Georgescu, S. Kevorkian, M.A.Manea, M. Rebedea, **A. Dinischiotu**, C.D.Tesio, M. Costache, Citrullinemia diagnostication on cattle breed, **Lucrarile Stiintifice Zootehnie si Biotehnologie**, Vol. 39(1), Editura AGROPRINT Timisoara, 127-130, 2006
5. R. Vatasescu, S.E. Georgescu, M. Rebedea, **A. Dinischiotu**, C. Tesio, M. Costache, Genetic characterization of Roumanian spotted cattle using 11 microsatellites, **Biotechnology 2006** Č. Budějovice, edited by Václav Řehout, Scientific Pedagogical Publishing Č. Budějovice, ISBN 8085645-53-X, 357-359, 2006
6. C. Luca, E. Condac, **A. Dinischiotu**, M. Costache, 16S RNA gene as a phylogenetic marker for the analysis of the relationships between cyprinid species, **Biotechnology 2006** Č. Budějovice, edited by Václav Řehout, Scientific Pedagogical Publishing Č. Budějovice, ISBN 8085645-53-X, 172-174, 2006
7. D. Costin, A.C. Staicu, D. Dinu , R. Huculeci., M. Costache, **A. Dinischiotu**, Biochemical and histological effects of deltamethrin exposure on the gills of *Carassius auratus gibelio* (Pisces Cyprinidae), **Lucrări științifice Zootehnie și Biotehnologii**, vol.40(1), 65-72 Editura Agroprint Timișoara 2007
8. C. Luca, S.M.E. Kevorkian, **A. Dinischiotu**, M. Costache, Romanian Cyprinids phylogeny based on 16S ARN mitochondrial genes, **Biotechnology in Animal Husbandry, 2nd International Congress on Animal Husbandry: New Perspectives and Challenges of Sustainable livestock Farming**, Belgrad, Zemun, Serbia, 3-5 October, vol.23 (5-6), Book 2, 405-410, 2007
9. S.E.Georgescu, R.A. Vatasescu-Balcan, M. Rebedea, **A. Dinischiotu**, M. Costache, Molecular genetics approaches in farm animals in Romania, **Biotechnology in Animal Husbandry, 2nd International Congress on Animal Husbandry: New Perspectives and Challenges of Sustainable livestock Farming**, Belgrad, Zemun, Serbia, 3-5 October, vol.23 (5-6), Book 1, 1-10, 2007
10. R.A. Vatasescu-Balcan, M.A. Manea, S.E.Georgescu, **A. Dinischiotu**, C.D. Tesio, M. Costache, Evidence of single point mutation inducing BLAD disease in Romanian Holstein-derived cattle breed , **Biotechnology in Animal Husbandry, 2nd International Congress on Animal Husbandry: New Perspectives and Challenges of Sustainable livestock Farming**, Belgrad, Zemun, Serbia, 3-5 October, vol.23 (5-6), Book 1, 375-382, 2007
11. D. Costin, A.C. Staicu, D. Dinu, R. Huculeci, M. Costache, **A. Dinischiotu**, Biochemical and histological effects of deltamethrin exposure on the gills of *Carassius auratus gibelio* (Pisces Cyprinidae), **Lucrări științifice Zootehnie și Biotehnologii**, vol.40(1), 65-72 Editura Agroprint Timișoara 2007
12. S.E.Georgescu, M.A. Manea, **A. Dinischiotu**, C.D.Tesio, M. Costache, Diagnostics of hyperkalemic periodic paralysis in horses, **Lucrarile Stiintifice Zootehnie si Biotehnologie**, Vol. 40(1), Editura AGROPRINT Timisoara, 96-100, 2007
13. R.A. Vătășescu-Balcan, S.E. Georgescu, M.A. Manea, **A. Dinischiotu**, C.D.Tesio, M. Costache, Identification of beta-lactoglobulin and kappa-casein genotypes in cattle, **Lucrarile Stiintifice Zootehnie si Biotehnologie**, Vol. 40(1), Editura AGROPRINT Timisoara, 211-216, 2007

14. D.E. Marin, I. Țăranu, C.Tabuc, G. Ștefan, **A. Dinischiotu**, G. Manda, G. Dumitrescu, **Lucrarile Stiintifice Zootehnie si Biotehnologie**, Vol. 40(1), Editura AGROPRINT Timisoara, 2007, 479-484
15. A.C.Staicu, C. Postolache C., M.C.Munteanu, M. Costache, **A. Dinischiotu**, Intestine and liver histopathological changes induced in fed and starved goldfish (*Carassius auratus auratus*, *Cyprinidae*, *Pisces*) during chronic exposure to manganese, Metal Elements in Environment, Medicine and Biology, Tome VIII, Editors: Ioan Silaghi-Dumitrescu, Zeno Gârban, Petru Drăgan, **Proceedings of the 8th International Symposium on Metal Elements in Environment, Medicine and Biology**, Timisoara, December 5-6, 231-237, Publishing House "Eurobit" Timisoara, 2008
16. D. Teodorescu, M.C. Munteanu, A.C. Staicu, E.L. Mester, **A. Dinischiotu**, Lactate Dehydrogenase Activity and Histopathological of *Carassius auratus gibelio* liver after short and long term exposure, Metal Elements in Environment, Medicine and Biology, Tome VIII, Editors: Ioan Silaghi-Dumitrescu, Zeno Gârban, Petru Drăgan, Proceedings of the 8th International Symposium on Metal Elements in Environment, Medicine and Biology, Timisoara, December 5-6, 2008, 249-254, Publishing House "Eurobit" Timisoara
17. S. Gheorghe, M. Stan, D. Mitroi, C. Stoica, E. Stanescu, **A. Dinischiotu**, I. Lucaciu, Effects of coccamidopropil betaine on oxidative stress biomarkers of *Cyprinus carpio*, Ecotoxicology Revisited, Proceedings of the 3rd SETAC CEE Annual Meeting, Krakow 2012
18. L.O. Cinteza, I. Ailiesei, S. Petrache, A. Dinischiotu, Quantum dots based multifunctional nanosystems for theranostic applications. Studia Universitas „Vasile Goldis” Arad(Life Science Series), 24(1), 25-31, 2014

Selecție lucrări în volume de conferințe

1. **A. Dinischiotu** , D. Marinescu, M.C. Munteanu, L. Postolache, M. Costache, Effects of ochratoxin A exposure in Hek293 human embryonic kidney cell lines: a biochemical and molecular study, Meeting of the Society for free radical Research Europe, **Free Radical Research**, 42:S73-S73 Suppl.1 Jul, Rome, Italy 2008
2. **A. Dinischiotu**, L. Postolache, M.C. Munteanu, D. Marinescu, M. Costache, Ochratoxin A induced oxidative stress in human Caucasian colon adenocarcinoma (CaCo2) cells, Meeting of the Society for free radical Research Europe, **Free Radical Research**, 42:S92-S92 Suppl.1 Jul , Rome, Italy, 2008
3. A.I. Serban, C. Munteanu, V. Tica, M. Costache, **A. Dinischiotu**, TGF-beta is a mediator for the expression of type I collagen in cultured skin fibroblasts exposed to AGEs, Joint Conference of the 33th FEBS Congress /11th IUBMB Conference, **FEBS Journal**, 275:80-80 Suppl.1 Jun Athena, Greece 2008
4. A.M. Sandu, D. Marinescu, C. Vrabie, E. Tirifon, M. Iordache, A.M. Burdusel, C.M. Munteanu, C. Tiru, M. Costache, **A. Dinischiotu**, G. Stoian, Joint Conference of the

33th FEBS Congress /11th IUBMB Conference, **FEBS Journal**, 275:96-96 Suppl.1
Jun Athena, Greece 2008

5. L. Postolache, M.C. Munteanu, Otilia Z., M. Costache, **A. Dinischiotu**, Joint Conference of the 33th FEBS Congress /11th IUBMB Conference, **FEBS Journal**, 275:211-211 Suppl.1 Jun Athena, Greece 2008
6. A.M. Sandu, D. Marinescu, C.M. Munteanu, M. Costache, **A. Dinischiotu**, G. Stoian, Ribes nigrum anthocyanins acting as antitumoral agents through an antioxidative mechanism in C32 melanoma cells, Joint Conference of the 33th FEBS Congress /11th IUBMB Conference, **FEBS Journal**, 275:364-364 Suppl.1 Jun Athena, Greece 2008
7. **A. Dinischiotu**, C. Ceapa, O. Zarnescu, G.O. Dragomir, M.C. Munteanu, G. Stoian, M. Costache, The anti-apoptotic effect of deoxynivalenol-induced oxidative stress in Hek293 cell line Joint Conference of the 33th FEBS Congress /11th IUBMB Conference, **FEBS Journal**, 275:377-377 Suppl.1 Jun Athena, Greece 2008
8. M.C. Munteanu, L. Postolache, M. Costache, **A. Dinischiotu**, The oxidative stress induced by deoxynivalenol increases the mRNA expression of some Bcl2-family genes in Caco2 cells, Joint Conference of the 33th FEBS Congress /11th IUBMB Conference, **FEBS Journal**, 275:459-459 Suppl.1 Jun. Athena, Greece, 2008
9. M. Radu, M. C. Munteanu, M. Costache, A. I. Serban, C. Sima, A. Hermenean, C. Grigoriu, **A. Dinischiotu**, The modulation of the antioxidative system in MRC-5 cell line exposed to Fe₃O₄ nanoparticles, **FEBS Journal** 277 (Suppl. 1),179, B5.33, 35th FEBS Congress, Jun 26-Jul 01, Gothenburg, Sweden 2010
10. M. C. Munteanu, M. Radu, A. I. Serban, A. Hermenean, C. Sima, C. Grigoriu, M. Costache, **A. Dinischiotu**, Biochemical aspects of the cytotoxic effects of hematite nanoparticles in MRC-5 cells, **FEBS Journal** 277 (Suppl. 1),179, B5.34, 35th FEBS Congress, Jun 26-Jul 01, Gothenburg, Sweden 2010
11. M. C. Munteanu, S. N. Petrache, M. Radu, A. I. Serban, C. Sima, M. Costache, C. Grigoriu, **A. Dinischiotu**, Silica nanoparticles are induced oxidative stress inhibitors for p53 protein expression in lung human fibroblasts, **FEBS Journal** 277 (Suppl. 1), 35th FEBS Congress, Jun 26-Jul 01, Gothenburg, Sweden, 2010
12. M. Radu, M. C. Munteanu, C. Sima, A. I. Serban, C. Grigoriu, M. Costache, **A. Dinischiotu**, The antioxidative response of MRC-5 cell line to Fe₂O₃ nanoparticles

exposure is not efficient, **Toxicology Lett** 196S, 280, P303-026, 2010, The XII International Congress of Toxicology, IUTOX 2010, July 19-23, Barcelona, Spain

13. M. Radu, D. Predoi, M. Costache, **A. Dinischiotu**, Oxidative stress induced by two types of magnetite nanoparticles in HepG2 cell line, **Toxicology Lett**, 205S, pp. S287-S288, The 47th Congress of the European Societies of Toxicology, Eurotox Paris, France, Aug 28 – 31, 2011
14. S.N. Petrache, L. Stanca, M. Radu, A.I. Serban, C. Sima, O. Zarnescu, M. Costache, **A. Dinischiotu**, Modulation of oxidative status in the red muscle of *Carassius auratus gibelio* exposed to silicon quantum dots, **Toxicology Lett** , 205S, , pp S224, The 47th Congress of the European Societies of Toxicology, Eurotox Paris, France, Aug 28-31, 2011
15. M. Radu, S.N. Petrache, L. Stanca, M.S. Stan, M. Costache, **A. Dinischiotu**, Oxidative modification of proteins in different tissues of *Carassius auratus gibelio* exposed to silicone quantum dots, **Toxicology Lett** 205S, pp S224-S225, The 47th Congress of the European Societies of Toxicology, Eurotox Paris, France, Aug 28-31, 2011
15. M. Radu, S. L. Iconaru, D. Predoi, M. Costache, **A. Dinischiotu**, Assessing toxicity of two type of magnetite nanoparticles in human hepatocarcinoma cells. **FEBS Journal**, 279, Issue Supplement s1, p. 205. The 22nd IUBMB and 37th FEBS Congress, From Single Molecules to Systems Biology, 4-9 September 2012, Sevilla, Spain
16. A.I Serban, L. Stanca, S.N Petrache, **A. Dinischiotu**, Accumulation of Si/SiO₂ Quantum Dots in Liver and Kidney Modulates the Antioxidant Defense System of *Carrasius auratus gibelio*, 16th SFRRRI Biennial Meeting, 6-9 September 2012, London, UK
17. A.I Serban, L. Stanca, S.N Petrache, **A. Dinischiotu**, The effect of silicone quantum dots on Hsp 60 and Hsp 90 expression in liver and kidney of *Carrasius auratus gibelio*, 16th SFRRRI Biennial Meeting, 6-9 September 2012, London, UK.
18. S.N. Petrache, L. Stanca, A I. Serban, AC. Staicu, C. Sima, O. Zarnescu, M. Costache, **A. Dinischiotu**, Bioaccumulation of Si/SiO₂ QDs and the oxidative stress biomarkers assessment in the kidney tissue of *Carassius auratus gibelio*, **FEBS Journal** 280

(Suppl.1) Pages S217, 38th FEBS Congress - "Mechanisms in Biology", 6-11 July 2013, St. Petersburg, Russia.

19. M. Radu, L. Stanca, A. I. Serban, M. Costache, **A. Dinischiotu**, Short-term biochemical responses of gibel carp white muscle due to silicon quantum dots exposure, **FEBS Journal** 280 (Suppl.1) Pages S215, 38th FEBS Congress - "Mechanisms in Biology", 6-11 July 2013, St. Petersburg, Russia
20. A.I. Serban, L. Stanca, **A. Dinischiotu**, Exposure to Si/SiO₂ quantum dots induces adaptative changes in antioxidant enzyme, gelatinase activity and heat shock protein expression in carp white muscle, **FEBS Journal** 280 (Suppl.1) Pages S227, 38th FEBS Congress - "Mechanisms in Biology", 6-11 July 2013, St. Petersburg, Russia.
21. L. Stanca, A. I. Serban, C. Grigoriu, **A. Dinischiotu**, Quantum dots from non-toxic materials cause redox imbalance in carp liver– heat shock proteins come to the rescue, **FEBS Journal** 280 (Suppl.1) Pages S226, 38th FEBS Congress - "Mechanisms in Biology", 6-11 July 2013, St. Petersburg, Russia
22. M. Radu, C. Burtea, D. Predoi, R. Muller, **A. Dinischiotu**, Toxicological aspects of PANC-1 cells exposure to iron oxide dextran-coated nanoparticles, **FEBS Journal**, Volume 280 Supplement 1, Pages S 216, 38th FEBS Congress - "Mechanisms in Biology", 6-11 July 2013, St. Petersburg, Russia
23. M.S. Stan, I. Memet, C. Sima, T. Popescu, V. Teodorescu, **A. Dinischiotu**, Toxicity evaluation of Si/SiO₂ quantum dots in human lung fibroblasts, Book of Abstracts of NANOTOX 2014, The 7th International Nanotoxicology Congress, April 23-26 2014, Antalya, Turkey, p. 115.
24. M.S. Stan, I. Memet, C. Grigoriu, **A. Dinischiotu**, Si/SiO₂ quantum dots cause cytotoxicity in lung cells through redox homeostasis imbalance, Bulletin of Romanian Society for Cell Biology, No. 41-June 2013, "Vasile Goldiș" University Press (Arad), The 5th International Congress of the Romanian Society for Cell Biology, 5-9 June 2013, Timisoara (Romania), p. 176
25. **A. Dinischiotu**, M. Radu, S.N. Voicu, M. Stan, L. Stanica, B. Dumitru, M. Ghimia, T. Badea, M. Gheorghiu. Impact of controlled illumination on stable cell lines containing light activated channels (Chanel Rhodopsin). Abstract Book of the 15th

IUBMB Conference and 24th FAOBMB-TSBMB, 21-26 October, 2014, Taipei, Taiwan, p. 176.

26. M.S. Stan, S. Badea, C. Sima, O. Cinteza, **A. Dinischiotu**, Characterization of silicon-based quantum dots behavior in various biological media, *The EUROTOX 2014, Toxicol Lett* 229 Suppl. (2014), p. S198
27. S.N. Petrache Voicu, C. Sima, A. Hermenean, A. Ardelean, **A. Dinischiotu**, Silica nanoparticles induce inflammatory response in human fibroblast cells, FEBS EMBO 2014 Conference, Paris, France, 30 August-4 September 2014. **FEBS J**, Vol 281, Issue Supplement s1, p. 168
28. S.N. Petrache Voicu, C. Sima, A. Hermenean, A. Ardelean, **A. Dinischiotu**, The toxicity of silica nanoparticles on MRC-5 cell line, Abstracts of the 50th Congress of the European Societies of Toxicology (EUROTOX), Edinburgh International Conference Centre, Edinburgh, Scotland, 7th-10th, September 2014, **Toxicol Lett** Vol. 229S, p. S77.
29. M.S. Stan, I. Memet, S. Badea, C. Sima, O. Cinteza, **A. Dinischiotu**, Silicon-based quantum dots induce inflammation in human lung cells and disrupt extracellular matrix homeostasis. FEBS EMBO 2014 Conference, Paris, France, 30 August-4 September 2014, **FEBS Journal** 281 (Suppl. 1) 2014, p. 168
30. M. Radu, A. Gheorghiu, D. Predoi, A. Hermenean, A. Ardelean, **A. Dinischiotu**, Mechanisms of pulmonary toxicity developed at low and high doses of dextran-coated magnetite nanoparticles, The 50th Congress of the European Societies of Toxicology (EUROTOX), Edinburgh, Scotland, Sep 7-10, 2014, *Toxicol Lett*, Vol 229, Supplement 1, p. S78
31. M. Radu, A. Hermenean, A. Ardelean, **A. Dinischiotu**, Toxic molecular mechanisms induced by magnetite nanoparticles in human pulmonary fibroblasts, FEBS EMBO 2014 Conference, Paris, France, 30 August-4 September 2014, **FEBS J**, Vol 281, Supplement 1, p. 184
32. M.S. Stan, V.C. Gheran, S.N. Petrache Voicu, M. Callewaert, M.C. Andry, Y. Belabassi, F. Chuburu, **A. Dinischiotu**, *In vitro* biocompatibility evaluation of Gadolinium-based nanohydrogels, 51st Congress of the European Societies of

Toxicology (EUROTOX), Alfundega Congress Centre Porto, Portugal, 13th-16th September 2015, **Toxicol Lett** 238 (2) Supplement (2015), p. S216

33. M.S. Stan, S. Badea, C. Sima, **A. Dinischiotu**. New insights into the cell death signaling pathways triggered by long-term exposure to silicon-based quantum dots in lung fibroblasts. Abstract Book of the 23th IUBMB International Congress and 44th SBBq, 24-28 August, 2015, Foz do Iguacu, Brazil, p. 335.
34. M.S. Stan, I.R. Bucur, M. Lemnar, M.M. Marin, S. Marin, R.E. Tiplea, G.M. Vlasceanu, E. Andronescu, G. Voicu, A.M. Holban, **A. Dinischiotu**, A.M. Grumezescu. 3D scaffolds based on collagen, albumin, PVA and silver nanostructures for tissue engineering applications. Abstract Book of The 8th International Conference on Advanced Materials (ROCAM 2015), 7-10 July 2015, Bucharest, Romania, Editura Granada, p. 91.
35. M.S. Stan, A. Apostol, A. Carja, D. Cabuzu, E. Catrina, R. Puiu, E. Andronescu, A.E. Oprea, A. Dinischiotu, G. Voicu, A.M. Holban, A.M. Grumezescu. Composite nanostructured biomaterials for improved wound healing. Abstract Book of The 8th International Conference on Advanced Materials (ROCAM 2015), 7-10 July 2015, Bucharest, Romania, Editura Granada, p. 92.
36. M.S. Stan, S. Badea, C. Sima, O. Cinteza, **A. Dinischiotu**. Analysis of the molecular mechanisms involved in the control of lung fibroblasts growth during exposure to silicon-based quantum dots. FEBS 2015 Conference, Berlin, Germany, **FEBS J** 282 (Suppl. 1) (2015), p. 225
37. R.C. Popescu, D. Savu, O.R. Vasile, E. Andronescu, L. Mogoanta, G.D. Mogosanu, A.S. Buteica, I. Mindrila, A.M. Grumezescu, S. Constanda, M.S. Stan, **A. Dinischiotu**. Improved anti-tumor activity of cytostatic drugs functionalized magnetite nanoparticles without application of high amplitude alternative magnetic fields. FEBS 2015 Conference, Berlin, Germany FEBS Journal (Suppl. 1) (2015), p. 252
38. A.E. Oprea, V. Grumezescu, A.M. Holban, O. Vasile, L. Mogoanta, G.D. Mogosanu, A.M. Grumezescu, G. Socol, C.M. Chifiriuc, R. Trusca, M.S. Stan, S. Constanda, A. Dinischiotu. Thin films based on ZnO@C18-usnic acid nanoparticles prepared by MAPLE for inhibition of the *Sallmonela enterica* biofilm development. Conferința

EMRS (organizată de Societatea Europeană de Cercetare a Materialelor), 11-15 Mai 2015, Lille, Franța, p. CC-9.

39. D. Radulescu, V. Grumezescu, A.M. Holban, A.M. Grumezescu, G. Socol, A.E. Oprea, C.M. Chifiriuc, R. Trusca, M.S. Stan, S. Constanda, A. Dinischiotu, R. Radulescu. MAPLE fabricated hydroxyapatite-poly(lactic-co-glycolic acid)-cephalosporins coatings for stimulation of fixation at the bone-implant interface. Conferința EMRS (organizată de Societatea Europeană de Cercetare a Materialelor), 11-15 Mai 2015, Lille, Franța, p. CC-9
40. S.N Petrache (Voicu), C.Sima, A. Hermenean, A. Ardelean, E. Codrici, C.Tanase, **A. Dinischiotu**. A transcriptional and translational approach of silica nanoparticles exposure to human lung fibroblasts, FEBS 2015 Conference, Berlin, Germany , 4-9 iulie 2015, **FEBS J** 282 (Suppl.1), p, 96-97
41. V. Gheran, S. N. Petrache (Voicu), M. Radu, M. Callewaert, M.C. Andry, Y. Belabassi, F. Chuburu, **A. Dinischiotu**. Evaluation of the biocompatibility of Gd lymphotropic nanoparticles on RAW 264.7 cell line, FEBS 2015 Conference, Berlin, Germany , 4-9 iulie 2015, **FEBS J** 282 (Suppl.1) p. 260
42. **A. Dinischiotu**, C.V. Gheran, S.N. Voicu, M. Callewaert, M.C. Andry, Y. Belabassi, F. Chuburu. Gadolinium-Nanohydrogels exposure induces oxidative stress in RAW264.7 cells, 23rd Congress of IUBMB, 44th Annual Meeting of the Brazilian Society for Biochemistry and Molecular Biology (SBBq) “*Biochemistry for a Better World*”, Foz do Iguacu, Parana, Brazil, August 24th 28th 2015, Abstracts book, p. 664
43. S.N. Petrache (Voicu), A.Hermenean, A. Ardelean, **A. Dinischiotu**. Silica nanoparticles induce autophagy but not apoptosis in MRC-5 cell line. 51st Congress of the European Societies of Toxicology (EUROTOX), Alfandega Congress Centre Porto, Portugal, 13th-16th September 2015, **Toxicol Lett** Vol. 238S, p. S305
44. S.N. Petrache (Voicu), C.V. Gheran, M. Callewaert, M.C Andry, Y. Belabassi, F. Chuburu, **A. Dinischiotu**. Gadolinium-nanohydrogels induce oxidative stress on macrophage murine RAW 264.7 cells?, 51st Congress of the European Societies of Toxicology (EUROTOX), Alfandega Congress Centre Porto, Portugal, 13th-16th September 2015, **Toxicol Lett** Vol. 238S, p. S305.

45. M. Radu, S.N. Petrache (Voicu), C.V. Gheran, **A. Dinischiotu**, *Cytotoxic responses induced in SVEC4-10 endothelial cells by lymphotropic gadolinium nanohydrogels*. 51st Congress of the European Societies of Toxicology (EUROTOX), Alfandega Congress Centre Porto, Portugal, 13th-16th September 2015, **Toxicol Lett** Vol. 238S, p. S291-S292.
46. D. Margina, O. Olaru, M. Ilie, C. Gutu, S. Petrache (Voicu), L. Florea, D. Gradinaru, **A. Dinischiotu**, Effects induced by polyphenol-rich natural extracts against lipoperoxidation-Protection against toxicant induced oxidative stress. 51st Congress of the European Societies of Toxicology (EUROTOX), Alfandega Congress Centre Porto, Portugal, 13th-16th September 2015, **Toxicol Lett** Vol. 238S, p. S69.
47. V. Gheran, S.N. Petrache (Voicu), M. Callewaert, M.C. Andry, Y. Belabassi, F. Chuburu, **A. Dinischiotu**. Evaluation of antioxidative status in SVEC4-10 endothelial cells exposed to Gd- nanohydrogels. NANOBIOAPP 2015 , Latest Advances on Nanomaterials for Biomedical Applications, 21-23 September 2015, Casa de la Convalescencia, Barcelona (Spain).
48. I.E. Florescu, A. Burcea, G.O. Popa, M. Balas, S.N. Voicu, I. Grecu, L. Dediu, A. Docan, S.E. Georgescu. Effects of starving and re-feeding on oxidative stress biomarkers in *Acipenser stellatus* under aquaculture conditions, 5th Aquatic Biodiversity International Conference, Sibiu, Romania, 7-10 octombrie 2015
49. I.E. Florescu, A. Burcea, G.O. Popa, M. Balas, S. Voicu, I. Grecu, L. Dediu, A. Docan, L. Tofan, S.E. Georgescu, **A. Dinischiotu**, M. Costache. The impact of a starving and refeeding diet on oxidative stress biomarkers of *Acipenser tellatus* (Pallas, 1771) under aquaculture conditions. International Zoological Congress of Grigore Antipa Museum, 18-21 November 2015, *Bucuresti*
50. M. Radu, I.C. Tivig, G. Voicu, A. Hermenean, A. Ardelean, **A. Dinischiotu**. Alterations of the antioxidant status induced by the exposure to phospholipidic micelles magnetic nanoparticles in mouse lung tissue. 40th FEBS Congress, The Biochemical Basis of Life, Berlin, Germany, July 4-9, 2015, **FEBS J** 282 (Suppl. 1), p. 125–126
51. S. Constanda, M. Radu, A. Duma (Voiculet), I. Demetrecu, A. Dinischiotu. Elaboration, characterization and in vitro profile interaction of a hybrid biomaterial

based on functionalized multiwalled carbon nanotubes with carboplatin. Al 7-lea Congres National cu Participare Internationala si a 33-a Sesiune Stiintifica Anuala a Societatii Romane de Biologie Celulară, Jun 11-14, 2015, Baia Mare, Romania Al 7-lea Congres National cu Participare Internationala si a 33-a Sesiune Stiintifica Anuala a Societatii Romane de Biologie Celulară, Jun 11-14, 2015, Baia Mare, Romania, Bull of Romanian Soc Cell Biol, Nr. 43, p. 109

E. Brevete obținute în întreaga activitate

1. A. Hermenean, A. Ardelean, M Zsuga, G. Deák, C. Popescu, Z.Ujhelyi, I. Bacskay, G. Ardelean, M. Costache, **A. Dinischiotu**, V. Turcus, C. Mihali, M. Vecsernyés, F. Fenyvesi, T. Kiss, J. Varadi, F. Siposné, Composition containing hepatoprotective sylibum marianum seed oil and procedure for preparation of seed oil and procedure for preparation of seed oil, WO 2013/1247000A2, 29.08.2013