



Europass

Curriculum Vitae

Personal information

First name and surname **ANCA DINISCHIOTU**

Competence domains Biochemistry, Cell signalling, Molecular toxicology

Professional experience

Period	2007 – present
Position held	Supervisor of doctoral students in the domain of Biology
Employer's name and address	University of Bucharest, Bd M Kogălniceanu, no. 36-46, 050107 Bucharest, Romania
Period	2004 - present
Position held	Full Professor
Main activities and responsibilities	Academic courses of General Biochemistry, Carbohydrates and Lipids Biochemistry, Metabolism, Molecular Toxicology, Cell Signalling Director and responsabil of research grants
Period	1998 - 2004
Position held	Associate Professor
Period	1992 – 1998
Position held	Lecturer
Period	1. 10. 1990 – 1992

Position held	Assistant Professor
Employer's name and address	University of Bucharest, Bd M Kogălniceanu, no. 36-46, 050107 Bucharest, Romania
Period	1.11.1987 – 1.09.1990
Position held	Scientific Researcher
Main activities and responsibilities	Research
Employer's name and address	National Institute of Chemical Pharmaceutical Research and Development, Calea Vitan no. 112 C, Bucharest, Romania
Period	1986 - 31.10. 1987
Position held	Scientific Researcher
Main activities and responsibilities	Research
Employer's name and address	Institute of Research and Technology for Poultry and Small Animals, Balotesti, Romania
Period	1980 - 1986
Position held	Biochemist
Main activities and responsibilities	Research
Employer's name and address	Institute of Research and Technology for Poultry and Small Animals Breeding, Balotesti, Romania
Teaching activity	<p>1990 - present: courses, laboratories and seminars for the students of Biochemistry, Biology and Ecology specializations of the Faculty of Biology, University of Bucharest:</p> <p>1990 - 1992: courses of Biotechnology and Immobilized Enzymes (years IV and V of Biochemistry specialization)</p> <p>1992 - 1998 and 2009 - 2011: courses of Carbohydrates and Lipid Biochemistry (year III of Biochemistry)</p> <p>1992 - 1998: course of Advanced Biotechnologies (Master of Biochemistry and Molecular Biology)</p> <p>1998 - 2000: course of Special Biochemical Analyses (year III Biochemistry)</p> <p>1998 - 2006: course of Protein Engineering (Master of Biochemistry and Molecular Biology)</p>

1998 - 2006: course of Intermediary Metabolism (year IV of Biochemistry-Chemistry)

2001- 2005: course of General Biochemistry (year II of Biology and Ecology)

2003 - 2007: course of Biochemistry if Integrated Systems (year III of Biochemistry)

2003 - 2007: course of General Biochemistry (year II of Biochemistry)

2005 - 2015: course of General Biochemistry (year I of Biology, Biochemistry and Ecology specializations)

2003 - 2010: course of Methods in Molecular Biotechnology (in collaboration, year II of Master of Microbiology and Biotechnology)

2007 - present: course of Molecular Toxicology (Master of Biochemistry and Molecular Biology)

2007 - 2012: course of Proteomics (Master of Biochemistry and Molecular Biology)

2011 - present: courses of Metabolic Biochemistry and Metabolism of Specialized tissues (year III of Biochemistry)

2012 - present: course of Cell Signaling (Master of Biochemistry and Molecular Biology)

2020-: course of Medical Toxicology (Master of Applied Clinical Biochemistry)

- laboratory classes and seminars of General Biochemistry, Vitamins and Hormones, Special Biochemistry Analyses, Metabolism, Enzymology, Biotechnology, Carbohydrates and Lipids Biochemistry, Molecular Toxicology and Proteomics.

**Scientific research
activity in Biochemistry,
Cell and Molecular
Biology**

6 academic courses; 128 ISI papers, 70 papers in national journals indexed CNCSIS, 57 abstracts at national and international conferences

Research interest domains:

- oxidative stress and apoptosis induced by heavy metals, pesticides, mycotoxins, in human cells and fish tissues;
- biocompatibility studies on nanostructured materiales used in regenerative medicine;
- nanosensors;
- nanotoxicology;
- advanced glycation end products and their effects on the diabetes signaling pathway;
- hepato- and nephro-protector effects of vegetal extracts
- genotoxicity

Research grants: 5 internationals (1 as coordinator, 4 as team member), 6 of CNCSIS type (2 as coordinator, 4 as team member), 23 of PNCDI type (3 as coordinator, 2 as responsible, 18 as team member), 16 of CEEEX type (1 as coordinator, 5 as responsible, 10 as team member), 8 of PN2 type (1 as coordinator, 2 as responsible and 5 as team member), 1 EURONANOMED (responsible), 1 SINN (responsible).

Other activities **POSDRU project:** manager of POSDRU/88/1.5/S/61150 project „Doctoral studies in the domain of life and earth sciences” (2010-2013)

- Evaluator for PNCDI, CEEEX and CNCSIS projects
- Head of Biochemistry Department : 2000-2007, 2016-present
- Vice-Dean of The Faculty of Biology, University of Bucharest (2004- 2012)
- Member of The Faculty of Biology Council (1997-present) and of The University of Bucharest Senate (2000-2004)
- President of Contestations Committee for Biomedical Sciences from CNADCU (since 2013)
- Head of Doctoral School of Faculty of Biology, University of Bucharest (2012 - 2016).

Education and training

Period	1971 - 1975
Title and qualification awarded	Baccalaureate Diploma , Serial I no. 2342/3.07.1975
Organisation's name and locality	High-school "Nicolae Bălcescu", now National College "Sfantul Sava", Bucharest
Period	1975 - 1979
Title and qualification awarded	Bachelor Degree in Biochemistry , Diploma No. 327556/23.10.1980
Organisation's name and locality	Faculty of Biology, University of Bucharest, Romania
Period	1979 - 1980
Title and qualification awarded	Master Degree in Biochemistry , Certificate serial C No.179/ 13.04.1992

Organisation's name and locality Faculty of Biology, University of Bucharest, Romania
Period 1990 - 1995
Title and qualification awarded **PhD degree in Biology**, Diploma serial M No.000415/5.06.1995

Organisation's name and locality University of Bucharest, Romania
Period 2nd January – 30th December 1996
Title and qualification awarded Post-doctoral researcher

Organisation's name and locality Catholic University of Leuven, Belgium

Foreign languages	Reading	Speaking	Writing
English	Very good	Very good	Very good
French	Good	Good	Good

Member in national scientific societies National Society of Biochemistry and Molecular Biology

24.07.2020

Subsemnata **Chitescu Aneta-Malina** am luat la cunoștință
prevăzute în contractul individual de muncă, corelat cu statutul
Prof. Anca Dimischiotu inischiotu

Semnătura

VIZAT:
Direcția Managementul Programelor de Cercetare _____

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 Armstrong, Dhruva 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. *Silicon Quantum Dots: From Synthesis to Bioapplications* în *Bioactivity of engineered nanoparticles*, Miruna Silvia Stan, Cornelia Sima, Anca Dinischiotu, Springer, 2017, 339-359
 3. *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
 4. *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
 5. *Metode de analiză Biochimică, Vol I, Electroforeza*, Marieta Costache, **Anca Dinschiotu**, ed. Ars Docendi, 2004, ISBN 973-558-137-X, 250p

6. **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 Na[2]O-B[2]O[3]-SiO[2]oxidic 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 glycosylated 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 od 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. M.S. Stan, I. Memet, C.Sima, T. Popescu, V.S. Teodorescu, A. Hermenean, **A. Dinischiotu**, Si/SiO₂ quantum dots cause cytotoxicity in lung cells through redox homeostasis imbalance. **Chem Biol Inter**, 2020, 102-115, 2014
45. 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**
46. 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**
47. 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**
48. 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**
49. 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**
50. 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**
51. 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**
52. 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**
53. 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**
54. 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 *Silybum marianum* native seed oil against experimentally induced liver injury. **Pharmazie**, 70, 1-8, 2015, **IF=1.00**
55. 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**
56. 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**
57. 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**
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E. Brevete obținute în întreaga activitate

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