



## **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  
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**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	Institutul de cercetare si productie pentru cresterea pasarilor si animalelor mici, Balotesti, România
Angajatorului	<b>Activitate didactica</b>
	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; 83 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=18**.

#### **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 CEEEX (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, CEEEX, CNCSIS
- Șef al Catedrei 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 pana in prezent
- Director al scolii doctorale de biologie din 2012 pana in prezent.

#### **STAGII ȘI CURSURI DE SPECIALIZARE**

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

obtinuta

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

Iunie 2017

## 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. *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 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. Suci, **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, Cu<sup>2+</sup> 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 SiO<sub>2</sub> 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. **Toxicon** 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/ $\beta$  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. S. A. Hermenean, A. Ardelean, M. Stan, N. Hadaruga, C.V. Mihali, M. Costache, **A. Dinischiotu**, Antioxidant and Hepatoprotective Effects of Naringenin and Its  $\beta$ - Cyclodextrin Formulation in Mice Intoxicated with Carbon Tetrachloride: A Comparative Study **J Med Food**, 2014, **IF=1,642**
44. Cojocar, 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. Voiculescu, 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**
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#### **E. Brevete obținute în întreaga activitate**

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