**LISTA DE LUCRARI A CANDIDATULUI**

Numele si prenumele: **ȘCHIOPU CRISTIAN CĂTĂLIN**

Gradul didactic pentru care concureaza: **ASISTENT UNIVERSITAR**

Facultatea: **MEDICINĂ**

Departamentul:  **XI – PEDIATRIE**

Pozitia: **8**

Disciplinele: **CHIRURGIE ȘI ORTOPEDIE PEDIATRICĂ**

**Titlul tezei de doctorat: *„*METODE GLICOMICE MODERNE DE DEPISTARE ȘI ANALIZĂ A POTENȚIALILOR BIOMARKERI TUMORALI CEREBRALI PRIN SPECTROMETRIE DE MASĂ” - Magna cum laude , Conducator Ştiintific:**

**PROF. UNIV. DR. ȘIȘU EUGEN, 2017.**

**A) ARTICOLE STIINTIFICE IN REVISTE COTATE ISI CU FACTOR DE IMPACT**

**L1.** Adrian C. Robu, Željka Vukelić, **Catalin Schiopu**, Florina Capitan, Alina Diana Zamfir.*Mass spectrometry of gangliosides in extracranial tumors: Application to adrenal neuroblastoma.* Analytical Biochemistry (2016), 509: 1-11, DOI: 10.1016/j.ab.2016.06.005, **(Factor de impact** 2016 **= 2.334). Numar de citari: 18.**

**L2.** Florina Capitan, Adrian C. Robu, **Catalin Schiopu**, Constantin Ilie, Brian T. Chait, Michael Przybylski, Alina D. Zamfir. *β-Lactoglobulin detected in human milk forms noncovalent complexes with maltooligosaccharides as revealed by chip-nanoelectrospray high-resolution tandem mass spectrometry.* Amino Acids (2015), 47(11): 2399-2407. DOI: 10.1007/s00726-015-2030-1. **(Factor de impact** 2015 **= 3,196). Numar de citari: 1.**

**L3.** Corina Flangea\*, **Catalin Schiopu**\*, Florina Capitan\*, Cristina Mosoarca, Marilena Manea, Eugen Sisu, Alina Diana Zamfir. *Fully automated chip-based nanoelectrospray combined with electron transfer dissociation for high throughput top-down proteomics.* Cent. Eur. J. Chem. (2013), 11(1): 25-34. \*These authors have contributed equally. DOI: 10.2478/s11532-012-0130-2. **(Factor de impact** 2013 **= 1.329). Numar de citari: 8.**

**L4.** **Catalin Schiopu**, Željka Vukelić, Florina Capitan, Svjetlana Kalanj-Bognar, Eugen Sisu, Alina Diana Zamfir. *Chip-nanoelectrospray quadrupole time-of-flight tandem mass spectrometry of meningioma gangliosides: a preliminary study.* Electrophoresis (2012), 33(12): 1778-1786. Published: JUL 2012. DOI: 10.1002/elps.201200044. (**Factor de impact** 2012 = **3.261**) **Numar de citari**: **25.**

**L5.** Alina Diana Zamfir, Alina Serb, Željka Vukelic, Corina Flangea, **Catalin Schiopu**, Dragana Fabris, Svjetlana Kalanj-Bognar, Florina Capitan, Eugen Sisu. *Assessment of the molecular expression and structure of gangliosides in brain metastasis of lung adenocarcinoma by an advanced approach based on fully automated chip-nanoelectrospray mass spectrometry.* Journal of the American Society for Mass Spectrometry (2011), 22(12): 2145-2159. DOI: 10.1007/s13361-011-0250-5. (**Factor de impact** 2011 = **4.002**). **Numar de citari:** **40.**

**L6.** Alina Serb, **Catalin Schiopu**, Corina Flangea, Željka Vukelić, Eugen Sisu, Leon Zagrean, Alina Diana Zamfir. *High-throughput analysis of gangliosides in defined regions of fetal brain by fully automated chip-based nanoelectrospray ionization multistage mass spectrometry*. Eur. J. Mass Spectrom.(2009), 15(4), 541-553. Published: 2009.DOI: 10.1255/ejms.1009. **(Factor de impact** 2009 **= 1,34). Numar de citari:** **32.**

**L7.** Alina Serb\*, **Catalin Schiopu\*,** Corina Flangea, Eugen Sisu, Alina Diana Zamfir. *Top-down glycolipidomics: fragmentation analysis of ganglioside oligosaccharide coreand ceramide moiety by chip-nanoelectrospray collision-induced dissociation MS2-MS6.* J. Mass Spectrom.(2009),44(10), 1434–1442 (**\* *=*** *equal contribution*). Published: OCT 2009.

DOI: 10.1002/jms.1625. **(Factor de impact** 2009 **= 3,411). Numar de citari:** **24.**

**L8.** **Catalin Schiopu**, Corina Flangea, Florina Capitan, Alina Serb, Željka Vukelić, Svjetlana Kalanj-Bognar, Eugen Sisu, Michael Przybylski, Alina Diana Zamfir. *Determination of ganglioside composition and structure in human brain hemangioma by chip-based nanoelectrospray ionization tandem mass spectrometry.* Anal. Bioanal. Chem. (2009), 395(8): 2465-2477. Published: DEC 2009. DOI: 10.1007/s00216-009-3188-8. (**Factor de impact** 2009 = **3.48**). **Numar de citari:** **40.**

**L9.** Corina Flangea, **Catalin Schiopu**, Eugen Sisu, Alina Serb, Michael Przybylski, Daniela Seidler, Alina Diana Zamfir. *Determination of sulfation pattern in brain glycosaminoglycans by chip-based electrospray ionization ion trap mass spectrometry.*Anal. Bioanal. Chem. (2009),395(8), 2489-2498.Published: DEC 2009. DOI: 10.1007/s00216-009-3167-0. **(Factor de impact** 2009 **= 3,48). Numar de citari:** **28.**

**L10.** Corina Flangea, Alina Serb, **Catalin Schiopu**, Sorin Tudor, Eugen Sisu, Daniela Seidler, Alina Diana Zamfir. *Discrimination of GalNAc (4S/6S) sulfation sites in chondroitin sulfate disaccharides bychip-based nanoelectrospray multistage mass spectrometry.* Cent. Eur. J. Chem. (2009),7(4), 752–759. Published: DEC 2009. DOI: 10.2478/s11532-009-0070-7. **(Factor de impact** 2009 **= 1.065). Numar de citari:** **19.**

**B) ARTICOLE STIINTIFICE IN REVISTE COTATE CNCSIS CAT. B**

1).Alina Serb, [**C**](http://www.ncbi.nlm.nih.gov/pubmed?term=%22Schiopu%20C%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVAbstract)**atalin** **Schiopu**, Corina [Flangea](http://www.ncbi.nlm.nih.gov/pubmed?term=%22Flangea%20C%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVAbstract) , Eugen Sisu, Sorin Tudor, Ioan Pancan, Željka Vukelić, Alina Diana Zamfir. *Profiling of gangliosides expressed in human hemangioma by fully-automated chip-based nanoelectrospray tandem mass spectrometry*. Scientific and Tehnical Bulletin,Nr. 13, 73-83, 2008.

2). Iulian Velea, Corina Paul, Florina Capitan, Adrian Lacatusu, Ionela Tamasan, Cezara Muresan, Luiza Badescu, **Catalin Schiopu**. *Congenital Rubella Syndrome – Case Report.* Jurnalul Pediatrului, anul XIV,vol. XIV, Nr. 55-56, 41-44, july-december 2011, ISSN 2065 – 4855.

**C) LUCRARI PREZENTATE LA CONGRESE SI CONFERINTE DE SPECIALITATE**

**INTERNATIONALE**

1. **C. Schiopu**,C. Mosoarca, E. Sisu, R. Almeida, Ž. Vukelić, A.D. Zamfir, *An innovative method for determination of sialylation sites in gangliosides by chip electrospray multistage mass spectrometry,* International Conference on Chemistry and Chemical Engineering, May 28-30, 2008, Timisoara, Romania
2. C. Mosoarca, **C. Schiopu**, E. Sisu, R. Almeida, Ž. Vukelić, A.D. Zamfir,*Comparative screening and sequencing of gangliosides in anencephaly vs. normal fetal brain by fully automated chip electrospray tandem mass spectrometry* International Conference on Chemistry and Chemical Engineering, 28-30 May 2008, Timisoara, Romania
3. **C. Schiopu**, C. Mosoarca, E. Sisu, C. Fifor, S. Nadaban, Ž. Vukelić, A.D. Zamfir, *Optimization of novel in fragmentation techniques for polysialylated glycolipids* The 5th Conference on Condensed Matter Physics, July 16-18, 2008, Timisoara, Romania
4. C. Mosoarca, **C. Schiopu**, I. Ienascu, M. Chirita, R. Almeida, Ž. Vukelić, A.D. Zamfir*, Development of high performance mass spectrometry methods for biomarkers discovery in anencephaly* The 5th Conference on Condensed Matter Physics, July 16-18, 2008, Timisoara, Romania
5. **C. Schiopu**, E. Sisu, Z. Vukelic, A.D. Zamfir**,** *Compositional and structural determination of brain gangliosides from mass spectrometric data by software-assisted assignment* Neuroscience Workshop-Conferinta Internationala ANCS: Diaspora in Cercetarea Stiintifica Romaneasca, Sept. 17-19, 2008, Bucuresti, Romania
6. **C. Schiopu**, E. Sisu, S. Nadaban, C. Fifor, Z. Vukelic, A.D. Zamfir**,** *Computer software for interpretation of brain ganglioside mass spectra* 2nd International Symposium Research and Education in Innovation Era, Nov. 20-21, 2008, Arad, Romania
7. A. Serb, **C. Schiopu**, C. Flangea, E. Sisu, S. Tudor, Ž. Vukelić, A.D. Zamfir**,** *Profiling of gangliosides expressed in human hemangioma by fully-automated chipbased nanoelectrospray tandem mass spectrometry* 2nd International Symposium Research and Education in Innovation Era, Nov. 20-21, 2008, Arad, Romania
8. **C. Schiopu,** E. Sisu, Ž. Vukelić, A.D. Zamfir , *Development of a novel computer software for automatic interpretation of brain ganglioside mass spectra* Phisics Conference TIM – 08, Nov. 28-29, 2008, Timisoara, Romania
9. C. Flangea, A. Serb, **C. Schiopu,** E. Sisu, D.G. Seidler, A.D. Zamfir, *Chondroitin/Dermatan sulfate analysis by high capacity ion trap mass spectrometry* Phisics Conference TIM – 08, Nov. 28-29, 2008, Timisoara, Romania
10. C. Flangea, **C. Schiopu**, E. Sisu, N. Dinca, D. G. Seidler, A. D. Zamfir**,** *Novel saccharide sequence analysis of glycosaminoglycans by enzyme cleavage and multistage MS: unusual exuronic acid sulfation in decorin* Austrian Mass Spectrometry Forum, Feb. 17-19, 2009, Vienna, Austria
11. A. Serb, **C. Schiopu**, D. Marinčić, Ž. Vukelić, A.D. Zamfir *Chip-based nanoelectrospray multistage mass spectrometry in neuroglycolipidomics: high-throughput analysis of gangliosides in defined regions of fetal brain***,** 42nd German Society for Mass Spectrometry Conference, March 8-11, 2009, Konstanz, Germany
12. D. Marinčić, Ž. Vukelić, **C. Schiopu**, M. Kos, A. D. Zamfir**,** *Chip-based nanoelectrospray high capacity ion trap mass spectrometry of gangliosides from precentral vs. postcentral gyrus of fetal human brain* 42nd German Society for Mass Spectrometry Conference, March 8-11, 2009, Konstanz, Germany
13. **C. Schiopu**, A. Serb, E. Sisu, Ž. Vukelić, A. D. Zamfir**,** *Combining fully-automated chip-nanoelectrospray ion trap mass spectrometry and GanglioSoft 1.2 computer software for identification of human hemangioma gangliosides* 57th American Society for Mass Spectrometry Conference on Mass Spectrometry and Allied Topics, May 31-June 6, 2009, Philadelphia, USA
14. A. Serb, **C. Schiopu**, D. Marinčić, Ž. Vukelić, A. D. Zamfir**,** *Compositional and structural analysis of gangliosides in human cerebrospinal fluid by chip-based nanoelectrospray ionization tandem mass spectrometry* 57th American Society for Mass Spectrometry Conference on Mass Spectrometry and Allied Topics, May 31-June 6, 2009, Philadelphia, USA
15. **C. Schiopu**, A. Serb, C. Flangea, E.Sisu, A.D. Zamfir**,** *Top-down glycolipidomics by fully automated chip-based nanoelectrospray collisioninduced dissociation MS2-MS6* Invited keynote lecture: Austrian Mass Spectrometry Forum, Feb. 15-18, 2010, Vienna, Austria
16. **C. Schiopu**, A. Serb, C. Flangea, E.Sisu, A.D. Zamfir**,** *High throughput sequencing of polysialylated gangliosides by chip-nanoelectrospray multistage collision-induced dissociation* 43rd German Society for Mass Spectrometry Conference, March 3-6, 2010, Halle, Germany
17. A. Serb, C. Flangea, **C. Schiopu**, E. Sisu, Ž. Vukelić, A.D. Zamfir**,** *Top-down fragmentation of complex brain gangliosides* 1st International Conference of the Romanian Society for Mass Spectrometry, April 25-29, 2010, Sinaia, Romania
18. D.Marinčić, J. Jeličić, V. Ivković, **C. Schiopu**, M. Kos, A.D. Zamfir, Ž. Vukelić, *Composition and structure analysis of gangliosides from adult and fetal human brain precentral and postcentral gyrus by combining mass spectrometry and thin-layer chromatography* 1st International Conference of the Romanian Society for Mass Spectrometry, April 25-29, 2010, Sinaia, Romania
19. A. Serb, **C. Schiopu**, E. Sisu, A.M. Zagrean, Z. Vukelic, A.D. Zamfir, L. Zagrean, *Advanced chip-based mass spectrometry reveals a specific ganglioside expression in human brain hemangioma vs. normal brain tissue* 7th FENS Forum of European Neuroscience Society, July 3-7, 2010, Amsterdam, Netherlands
20. **C. Schiopu**, F. Capitan, C. Ilie, C. Flangea, E. Sisu, A.D. Zamfir, *Fragmentation analysis of ganglioside oligosaccharide core and ceramide moiety by chip-nanoelectrospray collision-induced dissociation MS2-MS6*2nd International Conference of the Romanian Society for Mass Spectrometry, May 1-5, 2011, Timisoara, Romania
21. F. Capitan, **C. Schiopu**, C. Flangea, E. Sisu, A.D. Zamfir, *Composition and structure analysis of gangliosides in human brain hemangioma by NanoMate robot coupled to ion trap mass spectrometry* 2nd International Conference of the Romanian Society for Mass Spectrometry, May 1-5, 2011, Timisoara, Romania
22. C. Flangea, A. Serb, C. Mosoarca, **C. Schiopu**, R. Ghiulai, M. Manea, E. Sisu, A.D. Zamfir, *A Novel Analytical Approach Combining NanoMate and Electron Transfer Dissociation for Top-Down Proteomics*2nd International Conference of the Romanian Society for Mass Spectrometry, May 1-5, 2011, Timisoara, Romania
23. A. Serb, E. Sisu, **C. Schiopu**, A.D. Zamfir, L. Zagrean*, Gangliozidele prezinta o inalta specificitate filogenetica in creierul fetal uman, demonstrata prin investigatii de spectrometrie de masa nanoESI bazate pe chip* 4th Symposium of the National Neuroscience Society of Romania (with international participation), May 30-31, 2008, Bucuresti**,** Romania
24. **C. Schiopu**, F. Capitan, A. Serb, A.M. Zagrean, C. Flangea, E. Sisu, L. Zagrean, A.D. Zamfir, *Automatic assigment of ganglioside mass spectra using a novel computer software* 5th “Gheorghe Marinescu” Symposium of the National Neuroscience Society of Romania (with international participation), Oct. 1-3, 2009, Bucuresti, Romania
25. F. Capitan, **C. Schiopu**, A. Serb, A.M. Zagrean, C. Flangea, E. Sisu, L. Zagrean, A.D.Zamfir, *Biomarker discovery in human brain hemangioma by fully automated chip-based nanoelectrospray mass spectrometry* 5th “Gheorghe Marinescu” Symposium of the National Neuroscience Society of Romania (with international participation), Oct. 1-3, 2009, Bucuresti, Romania
26. Corina Flangea, **Catalin Schiopu**, Florina Capitan, Daniela Seidler, Eugen Sisu, Alina D. Zamfir, *Determination of decorin chondroitin/dermatan sulfate expression in human embryonic kidney cells by fully automated chip-based nanoelectrospray mass spectrometry* Euroregional Neonatology Conference October 20-22, 2011, Timisoara, Romania
27. Florina Capitan, **Catalin Schiopu**, Cristina Mosoarca, Corina Flangea, Constantin Ilie, Iulian Velea, Eugen Sisu, Alina D. Zamfir. *Compositional and structural analysis of gangliosides in human fetal cerebellum by chip electrospray mass spectrometry.*Euroregional Neonatology Conference October 20-22, 2011, Timisoara, Romania
28. **Catalin Schiopu**, Florina Capitan, Alina Serb, Željka Vukelić, Eugen Sisu, Alina D. Zamfir, *Molecular Expression and Structure of Gangliosides in Brain Metastasis of Lung Adenocarcinoma by NanoMate-QTOF MS and MS/MS.*Joint Conference of Polish Mass Spectrometry Society and German Mass Spectrometry Society, 4 – 7 March 2012, Poznań, Poland
29. Flangea Corina, **Schiopu Catalin**, Capitan Florina, Mosoarca Cristina, Manea Marilena, Sisu Eugen, Zamfir Alina. *A Novel Platform for Top-Down Proteomics: Chip-Based Nanoelectrospray Combined with Electron Transfer Dissociation Mass Spectrometry.* Joint Conference of Polish Mass Spectrometry Society and German Mass Spectrometry Society, 4 – 7 March 2012, Poznań, Poland
30. Florina Capitan, Constantin Ilie, **Catalin Schiopu**, Alina D. Zamfir. *Development of high performance mass spectrometry methods for biomarker discovery in human fetal cerebellum.* The 6th Diczfalusy award lecture symposium on reproductive health, November 2012, Arad, Romania
31. Florina Capitan, **Catalin Schiopu**, Corina Flangia, Zeljka Vukelic,Alina D. Zamfir. *Mapping and sequencings of gangliosides in human astrocytoma by Orbitrap Mass Spectrometry*, The 24th MassSpec-Forum, February 2013, Vienna, Austria
32. Florina Capitan, **Catalin Schiopu**, Corina Flangea, Dragana Fabris, Željka Vukelić, Alina D. Zamfir. *Introducing Orbitrap mass spectrometry for ganglioside biomarker discovery in human brain cancer: application to astrocytoma.*  Deutschen Gesellschaft für Massenspektrometrie (DGMS) Conference, March 2013, Berlin, Germany
33. Florina Capitan, Constantin Ilie, **Catalin Schiopu**, Cristina Mosoarca, Corina Flangea, Alina D. Zamfir. *Fully automated chip-based mass spectrometry applied for biomarkers discovery in human fetal cerebellum.* The XthNational Congres of Perinatal Medicine, May 2013, Cluj Napoca, Romania
34. Florina Capitan, **Catalin Schiopu**, Corina Flangea, Alina D. Zamfir. *Orbitrap mass spectrometry for ganglioside biomarker discovery in human malignant primary brain tumors.* Al V-lea Congres International si A XXXII-a Sesiune Anuala a Societatii Romane de Biologie Celulara, June 2013, Timisoara, Romania
35. Serb AF, Vukelic Z, Flangea C, **Schiopu C**, Sisu E, Zamfir AD *- Investigation of Oligosaccharides from Biological Matrices Using Modern Mass Spectrometric Methods - A Preliminary Study-* Zilele Academice Timisene, ed. XIII- Noi tendinte si strategii în chimia materialelor avansate cu relevantă în sisteme biologice, tehnică si protectia mediului 13-14 iunie 2013, Timisoara, Romania
36. **C. Schiopu**, F. Capitan, Z. Vukelic, E. Sisu, A. *Zamfir – Deciphering the composition and structure of glicolipids in human meningioma by advanced mass spextrometry-* Zilele Academice Timisene, ed. XIII-Sectiunea medicina, 23 Mai,2013,Timisoara,Romania
37. Pascariu M, Gruia A, Medeleanu M, Božin L, **Șchiopu C**, Șișu E. *Anchimeric Assistance in Mass Spectrometry Fragmentation of Long Chain Glycoderivatives,* Proceedings of The 20th International Symposium on Analytical and Environmental Problems, 22 septembrie 2014, Szeged, Ungaria
38. Robu AC, Capitan F, **Schiopu C**, Chait BT, Zamfir AD. *Assessment of the noncovalent interaction between β-lactoglobulin detected in human milk and maltooligosaccharides by chip-nanoelectrospray high resolution tandem mass spectrometry.* 3rd Middle Eastern and Mediterranean Sea Region Countries Mass Spectrometry Conference MED MS III, June 28th- July 2nd 2015, Athens, Greece

**D) CARTI**

Florina Capitan, **Cristian Catalin Schiopu**. *Metode bioanalitice moderne pentru analiza compoziției laptelui uman*. Eurostampa, 2016, ISBN 978-606-32-0334-3

**E) PREMII, DISTINCTII:**

- ***First prize of the jury*** for the poster „*Computer software for interpretation of brain ganglioside mass spectra*” oferit la International Symposium Research and Education in Innovation Era, 2nd Edition, Nov. 20-21, 2008, Arad, Romania

- ***First prize of the jury*** for the poster „ *Fragmentation analysis of ganglioside oligosaccharide core and ceramide moiety by chip-nanoelectrospray collision-induced dissociation MS2-MS6*” oferit la Romanian Society for Mass Spectrometry Conference, 2nd Edition, May 1-5, 2010, Timisoara, Romania

**Lucrari premiate UEFISCDI – Competitia „Premierea rezultatelor cercetarii: articole”**

A. C. Robu, Ž. Vukelić, **C. Schiopu**, F. Capitan, A. D. Zamfir. Mass spectrometry of gangliosides in extracranial tumors: Application to adrenal neuroblastoma. Analytical Biochemistry (2016), 509: 1-11

**Premiată UEFISCDI, PN-III-P1-1.1-PRECISI-2016-12393**

F. Capitan, A. C. Robu, **C. Schiopu**, C. Ilie, B. T. Chait, M. Przybylski, A. D. Zamfir (2015). β-Lactoglobulin detected in human milk forms noncovalent complexes with maltooligosaccharides as revealed by chip-nanoelectrospray high-resolution tandem mass spectrometry. Amino Acids 47(11): 2399-2407

**Premiată UEFISCDI, PN-II-RU-PRECISI- 2015-9-7622**

**C. Schiopu**, Ž. Vukelić, F. Capitan, S. Kalanj-Bognar, E. Sisu, A. D. Zamfir (2012). Chip-nanoelectrospray quadrupole time-of-flight tandem mass spectrometry of meningioma gangliosides: a preliminary study. Electrophoresis, 33(12): 1778-1786

**Premiată UEFISCDI, PN-II-RU-PRECISI- 2012-6-1008**

A. D. Zamfir, A. Serb, Ž. Vukelić, C. Flangea, **C. Schiopu**, D. Fabris, S. Kalanj-Bognar, F. Capitan, E. Sisu. (2011). Assessment of the molecular expression and structure of gangliosides in brain metastasis of lung adenocarcinoma by an advanced approach based on fully automated chip-nanoelectrospray mass spectrometry. J. Am. Soc. Mass Spectrom, 22(12): 2145-2159

**Premiată UEFISCDI, PN-II-RUPRECISI-2011-3- 1400**

**C. Schiopu**, C. Flangea, F. Capitan, A. Serb, Ž. Vukelić, S. Kalanj-Bognar, E. Sisu, M. Przybylski, A. D. Zamfir. (2009). Determination of ganglioside composition and structure in human brain hemangioma by chip-based nanoelectrospray ionization tandem mass spectrometry. Anal. Bioanal. Chem. 395(8): 2465-2477

**Premiată UEFISCDI, Etapa III\_2009**

Corina Flangea, **Catalin Schiopu**, Eugen Sisu, Alina Serb, Michael Przybylski, Daniela Seidler, Alina Diana Zamfir. *Determination of sulfation pattern in brain glycosaminoglycans by chip-based electrospray ionization ion trap mass spectrometry.*Anal. Bioanal. Chem. 395(8), 2489-2498.

**Premiată UEFISCDI, Etapa III\_2009**

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| **Activitate stiintifica** | - Publicarea a **10 articole cotate ISI cu factor de impact,** in extenso**;**  - 10 Articole in reviste indexate in baze de date internationale;  - **38 rezumate, ca prim si co-autor,** in domeniile de interes mentionate, in cadrul unor reviste si volume de rezumate nationale/internationale;  - **Factor de impact cumulat: 26,898;**  - **Factor de impact prim autor cumulat:11,481**  - **Scor relativ de influenta (RIS) cumulat: 11,585;**  - **Suma citarilor articolelor: 235 (Web of Science);**  - **Media citarilor per articol: 23,5.**  - **Indicele Hirsch: 8**  **ResearcherID: C-5327-2011 URL:**  [**http://www.researcherid.com/rid/C-5327-2011**](http://www.researcherid.com/rid/C-5327-2011) |

Data Semnatura,

15.01.2024