

# Curriculum Vitae

## Personal data

Name Bogdan Catalin  
Date of Birth 1985, February 24  
Address cart. Dorobanți 2, bl. H5, Ap 2, Buzău  
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E-Mail address bogdan.catalin@umfcv.ro

## Education/Diplomas

11/2013 – 09/2015 Post-Doc, Experimental Research Centre for Normal and Pathological Aging,  
University of Medicine and Pharmacy of Craiova  
  
10/2010 - 10/2013 PhD,  
University of Medicine and Pharmacy of Craiova  
Teza doctorat: Modularea *in vivo* a motilității microgliale sub influența inhoibitorilor de ciclooxigenază  
  
10/2004 - 09/2010 Undergraduate in General Medicine  
University of Medicine and Pharmacy of Craiova

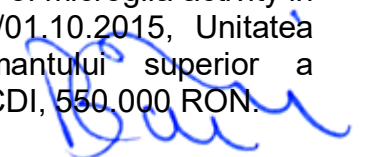
## Professional experience

10/2006-07/2014 Assistant researcher position, Physiology Department,  
University of Medicine and Pharmacy of Craiova  
  
01/2011-03/2012 Medical doctor-resident Neurology, Emergency hospital of  
Constanta.  
  
04/2012—12/2015 Medical doctor-resident Neurology, Emergency hospital of  
Neuropsychiatry, Craiova.  
  
03/2017-prezent Medical doctor-specialist Neurology, Emergency hospital of  
Craiova  
  
10/2014-03/2017 Assistant Professor, University of Medicine and Pharmacy of  
Craiova, Physiology;  
  
04/2017-03/2019 Lecturer, University of Medicine and Pharmacy of Craiova,  
Physiology;  
  
04/2019-present Associate Professor, University of Medicine and Pharmacy of  
Craiova, Physiology;

## Scientific Research

### Principal investigator

2020-present Two photon optimization of stem cell therapy and anti-neuroinflammatory approaches for ischemic STROKE (2P-STROKE) PN-III-P1-1.1-TE-2019-1366) – UEFISCDI, 430000 RON.  
  
2015 – 2017 Voltage gated sodium channel modulation of microglia activity in Alzheimer's disease (NCmicroAD), 161/01.10.2015, Unitatea Executiva pentru Finantarea Invatamantului superior a Cercetarii, Dezvoltarii si Inovarii – UEFISCDI, 550.000 RON.



03/2014 - 09/2014 Research Grants for Doctoral Candidates and Young Academics and Scientists (more than 6 months), Contract 91530096/2014, Deutscher Akademischer Austausch Diest, 10.760 EURO, 01/03/15- 31/12/15

#### Member of team

2020-present Obezitatea ca factor de risc pentru bolile cerebrovasculare: biomarkeri și translaționarea spre modele animale pentru dezvoltarea de noi terapii, PN-III-P1-1.1-TE-2019-TE41) – UEFISCDI, 431900 RON.

2020-present Terapia antiinflamatorie a accidentului vascular cerebral ischemic utilizand miRNA nanoshuttles, 192 ERANET, UEFISCDI 974000 RON

2020-present Semnalizarea GABA-ergica oligodendrocitara in procesele de mielinizare si remielinizare in patologiile corticale, PNCDI II – PCE227, UEFISCDI, 1198032 RON

2018-2020 Nanostructuri bioactive pentru strategii terapeutice inovatoare, 45PCCDI din 16/04/2018, Unitatea Executiva pentru Finantarea Invatamantului superior a Cercetarii, Dezvoltarii si Inovarii – UEFISCDI, 480000 EUR.

2017-2018 Analiza structurala si modularea functionala a drenajului fluidului perivascular si al amiloidului Abeta in creier, PN-III-P2-2.1-PED-2016-0803, , Unitatea Executiva pentru Finantarea Invatamantului superior a Cercetarii, Dezvoltarii si Inovarii – UEFISCDI, 600.000 RON.

2015-2017 Bimodal treatment for ischemic stroke and high definition whole brain microscopic imaging (BISTAR), 160/01.10.2015, Unitatea Executiva pentru Finantarea Invatamantului superior a Cercetarii, Dezvoltarii si Inovarii – UEFISCDI, 550.000 RON.

2011-2014 Age-related deterioration of biological pathways and their significance for brain tissue regeneration and functional recuperation after stroke, 314/2011, Unitatea Executiva pentru Finantarea Invatamantului superior a Cercetarii, Dezvoltarii si Inovarii – UEFISCDI, 185. 000 EUR.

2008-2011 Explorarea sistemului biologic integrativ implicat în efortul muscular maximal, Nr. 42159/2008, Centrul National de Management Programe – CNMP, 445.000 EUR.

#### Travel grants/work visits

19 February 2018 Department of Molecular Physiology, University of Saarland  
18 March 2018 Germany

1 March 2012- Department of Molecular Physiology, University of Saarland,  
31. August 2012 Germany

03/2013 IFCN Fellowship for young scientists,  
International Federation of Clinical Neurophysiology, Berlin,  
Germania

8 July 2011- Klinik fuer Neurologie, Molekulare Neurobiologie, Greifswald,  
18 August 2011 Germany

#### Awards

2014 Premiul Societății Romane de Fiziologie, Bucharest



- 2012 Premiul al doilea al Asociației Romane de neurogiadnostic (ASNER), Bucharest.
- 2011 Câștigătorul sesiunii de postere din ziua de 17 Iulie, din cadrul 8th IBRO World Congress, Florence, Italy.
- 2011 Premiul întâi al Asociației Romane de neurogiadnostic (ASNER), Cluj
- 2009 Premiul al doilea din cadrul conferinței: “Young scientists national conference”, Craiova
- 2009 Premiul Societății Romane de Fiziologie, Cluj
- Reviewer Ad hoc Journal of Neuroinflammation, Frontiers in Neuroscience, Journal of Neurological Sciences and Psychiatry

#### Instructor/Lector

- 2016 Instructor în cadrul workshop on “CAJAL-ISON course. Glial cells in health and disease”, Bordeaux, Franța.
- 2013 Instructor în cadrul workshop on “Live Cell Imaging and Electrophysiology”, Atena, Grecia.
- 2011 Lector invitat în cadrul PERFORMED proiect: POS DRU 81/3.2/S/ 55468, Craiova, Romania.

## L I S T A

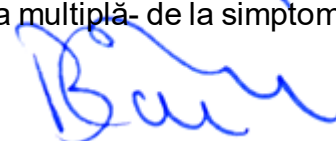
### lucrărilor științifice în domeniul disciplinelor din postul didactic

#### Teza de doctorat

1. Universitatea de Medicină și Farmacie din Craiova (2010-2013), Prof. Univ. Dr. Maria Inacău, Modularea in vivo a motilității microgliale sub influența inhibitorilor de ciclooxigenază, obținut în baza Ordinului MEN nr. 5581MD.

#### Cărți și capitole în cărți publicate în ultimii 10 ani

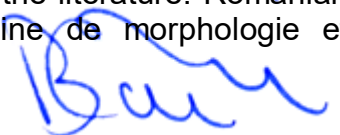
1. Alexander Cupido, **Bogdan Cătălin**, Heinz Steffens, Frank Kirchhoff, Springer Protocols – Neuromethods: Laser scanning microscopy and quantitative image analysis of neuronal tissue, Surgical procedures to study microglial motility in the brain and in the spinal cord by in vivo two-photon laser-scanning microscopy, Humana Press, 2014, ISBN 978-1-4939-0380-1, nr. pag 307.
2. Daniela Badea, Ionela Iancu, Veronica Sfredel, Tudor-Adrian Bălșeanu, Smaranda Ioana Mitran, **Bogdan Cătălin**, Elementele figurate sanguine. Fiziologie și explorare, SITECH Craiova, 2012, ISBN 978-606-11-2335, nr. pag. 129.
3. Osiac Eugen, A.T. Balseanu, **B. Cătălin**, M. Osiac, Tomografie Optică Coerentă aplicații speciale, SITECH Craiova, 2014, ISBN 978-606-11-4061-9, nr. pag 103.
4. Pîrșcoveanu Denisa Florina Vasilica, Pirici Ionica, Tudorică Valerica, Bălșeanu Tudor Adrian, Albu Valeria Carmen, Zaharia Cornelia, **Cătălin Bogdan**, Taisescu Oana, Stovicek Puiu Olivian, Neurologie – Lucrări practice, 2017, ISBN 978-606-11-6180-5.
5. Carmen Valeria Albu, Valerica Tudorică, Raluca Elena Sandu, **Bogdan Cătălin**, Denisa Floriana Vasilica Pîrșcoveanu, Ana-Maria Bumbea, Ion Udristoiu, Elena Anca Tarte, Georgian Ciobotaru, Andreea Oana Florescu, Sleroza multiplă- de la simptom la tratament, 2020, ISBN 978-973-106-311-9.



## Lucrări indexate ISI/BDI publicate în ultimii 10 ani

### Articole ISI in extenso

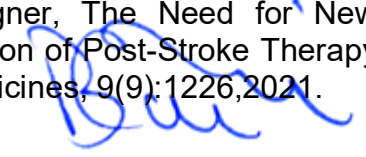
1. Popa-Wagner, A.; **Catalin, B.**; Buga, A. M.; Novel putative mechanisms to link circadian clocks to healthy aging J Neural Transm, 122(supp1):75–82, 2013.
2. **Cătălin, B**; Cupido, A; Iancău, Maria; Albu, Carmen Valeria; Kirchhoff, F; Microglia: first responders in the central nervous system, Rom J Morphol Embryol, 54(3):467-472, 2013.
3. Balseanu, Adrian Tudor; Buga, Ana-Maria; **Catalin, Bogdan**; Wagner, Daniel-Christoph; Boltze, Johannes; Zagrean, Ana-Maria; Reymann, Klaus; Schaebitz, Wolf; Popa-Wagner, Aurel; Multimodal approaches for regenerative stroke therapies: combination of granulocyte colony-stimulating factor with bone marrow mesenchymal stem cells is not superior to G-CSF alone, Frontiers in aging neuroscience, 6:130, 2014.
4. Osiac, Eugen; Bălșeanu, Tudor-Adrian; **Cătălin, Bogdan**; Mogoantă, Laurențiu; Gheonea, Cristian; Dinescu, Sorin Nicolae; Albu, Carmen Valeria; Cotoi, Bogdan Virgil; Tica, Oana-Sorina; Sfredel, Veronica; Optical coherence tomography as a promising imaging tool for brain investigations, Rom. J. Morphol. Embryol, 55(2):507-512, 2014.
5. Osiac, Eugen; Bălșeanu, Tudor-Adrian; Mogoantă, Laurențiu; Gheonea, Dan Ionut; Pirici, Ionica; Iancău, Maria; Mitran, Smaranda Ioana; Albu, Carmen Valeria; **Cătălin, Bogdan**; Sfredel, Veronica; Optical coherence tomography investigation of ischemic stroke inside a rodent model, Rom J Morphol Embryol, 55(3):767-772, 2014.
6. **Cătălin, Bogdan**; Mitran, Smaranda; Ciorbăgiu, Mihai; Osiac, Eugen; Bălșeanu, Tudor-Adrian; Mogoantă, Laurențiu; Dinescu, Sorin Nicolae; Albu, Carmen Valeria; Mirea, Cecil Sorin; Vîlcea, Ionică Daniel; Microglial voltage-gated sodium channels modulate cellular response in Alzheimer's disease—a new perspective on an old problem, Rom J Morphol Embryol, 56(1):21-25, 2015.
7. Florou, Charoula; **Cătălin, B**; Badea, Oana; Bălșeanu, TA; Vasilescu, Cristina Eugenia; Mogoantă, L; Grosu, Florin; Matei, Marius; Turculeanu, Adriana; Study of restorative processes in brain laceration in the first seven days after traumatic brain injury. Romanian journal of morphology and embryology= Revue roumaine de morphologie et embryologie, 56(1):115-124, 2015.
8. Taisescu, Cito Iulian; Iliescu, Gabriela; Taisescu, Oana; Predescu, Anca; Andrei, Ana Marina; **Cătălin, B**; Siloși, Cristian; Biciușcă, Viorel; Haematological adverse effects of interferon and ribavirin treatment in patients with chronic C virus hepatitis, FARMACIA, 63(3):465-469, 2015.
9. Rădulescu, Marius; Andronescu, Ecaterina; Cirja, Andreea; Holban, Alina Maria; Mogoantă, Laurențiu; Bălșeanu, Tudor-Adrian; **Cătălin, Bogdan**; Neagu, Tiberiu Paul; Lascăr, Ioan; Florea, Denisa Alexandra; Antimicrobial coatings based on zinc oxide and orange oil for improved bioactive wound dressings and other applications, Rom. J. Morphol. Embryol, 57:107-114, 2016.
10. Buga, Ana-Maria; Ciobanu, Ovidiu; Bădescu, George Mihai; **Bogdan, Catalin**; Weston, Ria; Slevin, Mark; Di Napoli, Mario; Popa-Wagner, Aurel; Up-regulation of serotonin receptor 2B mRNA and protein in the peri-infarcted area of aged rats and stroke patients, Oncotarget, 7(14):17415, 2016.
11. Florescu, Cristina; Istrătoaie, O; Tarte, Georgica-Costinel; Pirici, Daniel; Streba, Costin Teodor; **Cătălin, B**; Puiu, Ileana; Tarte, Elena-Anca; Caragea, Daniel-Cosmin; Ghiluşi, MC; Neuro-neoplastic interrelationships in colorectal level-immunohistochemical aspect in three cases and review of the literature. Romanian journal of morphology and embryology= Revue roumaine de morphologie et embryologie, 57(2 Suppl):639-650, 2016.



12. Sandu, Raluca Elena; Balseanu, Adrian Tudor; **Bogdan, Catalin**; Slevin, Mark; Petcu, Eugen; Popa-Wagner, Aurel; Stem cell therapies in preclinical models of stroke. Is the aged brain microenvironment refractory to cell therapy?, *Experimental gerontology*, 94:73-77, 2017.
13. Ciurea, Raluca Niculina; Rogoveanu, Ion; Pirici, Daniel; Târtea, Georgică-Costinel; Streba, Costin Teodor; Florescu, Cristina; **Cătălin, Bogdan**; Puiu, Ileana; Târtea, Elena-Anca; Vere, Cristin Constantin; B2 adrenergic receptors and morphological changes of the enteric nervous system in colorectal adenocarcinoma, *World journal of gastroenterology*, 23(7):1250, 2017.
14. Popescu, Elena Silvia; Pirici, Ionica; Ciurea, Raluca Niculina; Balseanu, Tudor-Adrian; **Catalin, Bogdan**; Margaritescu, Claudiu; Mogoanta, Laurentiu; Hostiuc, Sorin; Pirici, Daniel; Three-dimensional organ scanning reveals brain edema reduction in a rat model of stroke treated with an aquaporin 4 inhibitor, *Rom. J. Morphol. Embryol*, 58:59-66, 2017.
15. **Cătălin, Bogdan**; Stopper, Laura; Bălșeanu, Tudor-Adrian; Scheller, Anja; The in situ morphology of microglia is highly sensitive to the mode of tissue fixation, *Journal of chemical neuroanatomy*, 86:59-66, 2017.
16. Pirici, Ionica; Balsanu, Tudor; **Bogdan, Catalin**; Margaritescu, Claudiu; Divan, Tamir; Vitalie, Vacaras; Mogoanta, Laurentiu; Pirici, Daniel; Carare, Roxana; Muresanu, Dafin; Inhibition of aquaporin-4 improves the outcome of ischaemic stroke and modulates brain paravascular drainage pathways, *International journal of molecular sciences*, 19(1):46, 2018.
17. **Catalin, Bogdan**; Rogoveanu, Otilia-Constantina; Pirici, Ionica; Balseanu, Tudor A; Stan, Adina; Tudorica, Valerica; Balea, Maria; Mindrila, Ion; Albu, Carmen Valeria; Mohamed, Guleed; Cerebrolysin and aquaporin 4 inhibition improve pathological and motor recovery after ischemic stroke, *CNS & Neurological Disorders-Drug Targets (Formerly Current Drug Targets-CNS & Neurological Disorders)*, 17(4):299-308, 2018.
18. Stopper, Laura; Bălșeanu, Tudor-Adrian; **Cătălin, Bogdan**; Rogoveanu, Otilia-Constantina; Mogoantă, Laurențiu; Scheller, Anja; Microglia morphology in the physiological and diseased brain—from fixed tissue to in vivo conditions, *Rom J Morphol Embryol*, 59(1):7-12, 2018.
19. Huang, Wenhui; Bai, Xianshu; Stopper, Laura; **Catalin, Bogdan**; Cartarozzi, Luciana Politti; Scheller, Anja; Kirchhoff, Frank; During Development NG2 Glial Cells of the Spinal Cord are Restricted to the Oligodendrocyte Lineage, but Generate Astrocytes upon Acute Injury, *Neuroscience*, 385:154-165, 2018.
20. Toader, Laura Emilia; Roșu, Gabriela-Camelia; **Cătălin, Bogdan**; Pirici, Ionica; Gilceavă, Ic; Albu, Valeria-Carmen; Istrate-Ofițeru, Anca-Maria; Mureșanu, Dafin-Fior; Pirici, Daniel; Cerebrolysin increases motor recovery and decreases inflammation in a mouse model of autoimmune encephalitis. *Romanian journal of morphology and embryology= Revue roumaine de morphologie et embryologie* 59(3):755-762, 2018.
21. Andreea Lili Barbulescu, Raluca-Elena Sandu, Mihai Virgil Boldeanu, Florentin Ananu Vreju, Radu Alexandru Mihailovici, Lidia Boldeanu, Horatiu Valeriu Popoviciu, Razvan Adrian Ionescu, **Bogdan Catalin**, Andreea Cristina Stoian, Oana Andreea Florescu, Carmen Valeria Albu, Cognitive dysfunction, depression and anxiety in a cohort of systemic lupus erythematosus patients, *Rev Chim (Bucharest)* 70(7):2584-2589, 2019.
22. Denisa Vasilica Floriana Pârșcoveanu, Dana Maria Albulescu, Cristian Constantin, **Bogdan Cătălin**, Tudor Adrian Bălșeanu, Anca Emanuela, Elena-Anca Târtea Mușetescu, Ana Maria Bumbea, Otilia Rogoveanu, Valeria Carmen Albu; A rare case of idiopathic focal dystonia, *Rom Biotechnol Lett.*; 24(4): 749-753, 2019.



23. Valeria Carmen Albu, Raluca Elena Sandu, Andreea Lili Barbulescu, Elena Anca Tarteia, Emilia Burada, Oana Taisescu, Florentin Ananu Vreju, Mihai Virgil Boldeanu, Lidia Boldeanu, Aurelia Enescu, Denisa Pascoveanu, Andreea Cristina Stoian, **Bogdan Catalin**, Anca Emanuela Musatescu, The relationship between the acute confusing state and the comorbidities of the elderly patient, *Rev Chim (Bucharest)* 70(7):2415-2419, 2019.
24. Andreea Cristina Stoian, Florentina Dumitrescu, Raluca Elena Sandu, Andreea Lili Barbulescu, Florentin Ananu Vreju, Oana Andreea Florescu, **Bogdan Catalin**, Emilia Burada, Anca Emanuela Musatescu, Carmen Valeria Albu, The Role of Colistin in Urinary Tract Infections in the Neurologic Patient, *Rev Chim (Bucharest)* 70(8):2831-2834, 2019.
25. Roxana Surugiu, **Bogdan Catalin**, Danut Dumbrava, Andrei Gresita, Denisa Greta Olaru, Dirk M Hermann, Aurel Popa-Wagner, Intracortical administration of the complement C3 receptor antagonist trifluoroacetate modulates microglia reaction after brain injury, *Neural Plasticity*, Volume 2019, Article ID 1071036, 9 pages, 2019.
26. Andreea Rotaru, Carmen Valeria Albu, Diana Rodica Tudorascu, **Bogdan Catalin**, Mihaela Gheonea, Ion Udristoiu, Maria Iancau, Thioctic Acid and Vitamin B Complex Improves Clinical Signs in Diabetic Peripheral Neuropathy, *Rev Chim (Bucharest)* 70(10):3614-3617, 2019.
27. Roxana Surugiu, Andrei Olaru, Dirk M Hermann, Daniela Glavan, **Bogdan Catalin**, Aurel Popa-Wagner, Recent Advances in Mono-and Combined Stem Cell Therapies of Stroke in Animal Models and Humans, *International Journal of Molecular Sciences* 20(23):6029, 2019.
28. Andrei Gresita, Daniela Gabriela Glavan, Ion Udristoiu, **Bogdan Catalin**, Dirk M Hermann, Aurel Popa-Wagner, Very Low Efficiency of Direct Reprogramming of Astrocytes Into Neurons in the Brains of Young and Aged Mice After Cerebral Ischemia, *Frontiers in Aging Neuroscience*, 11:334, 2019.
29. Gabriela-Camelia Rosu, **Bogdan Catalin**, Tudor Adrian Balseanu, Mogoanta Laurentiu, Margaritescu Claudiu, Samir Kumar-Singh, Pirici Daniel, Inhibition of Aquaporin 4 Decreases Amyloid A $\beta$ 40 Drainage Around Cerebral Vessels, *Molecular Neurobiology*, 57:4720–4734, 2020.
30. Eugen Osiac, Smaranda Ioana Mitran, Cătălin Nicolae Manea, Alexandru Cojocaru, Gabriela-Camelia Rosu, Mariana Osiac, Daniel Nicolae Pirici, Adrian Tudor Bălșeanu, **Bogdan Cătălin**, Optical coherence tomography microscopy in experimental traumatic brain injury, *Microscopy Research and Technique*, 84(3):422-431, 1-10, DOI: 10.1002/jemt.23599, 2021
31. S Morega, **B Catalin**, CE Simionescu, K Sapalidis, I Rogoveanu, Cerebrolysin Prevents Brain Injury in a Mouse Model of Liver Damage, *Brain Science*, 11:1622, 2021
32. Ruxandra Anton, Mihail Ghenghea, Violeta Ristoiu, Christophe Gattlen, Marc-Rene Suter, Petre Alexandru Cojocaru, Aurel Popa-Wagner, **Bogdan Catalin**, Alexandru-Florian Deftu, Potassium channels Kv1. 3 and Kir2. 1 but Not Kv1. 5 Contribute to BV2 cell line and primary microglial migration, *International journal of molecular sciences*, 22(4):2081, 2021
33. Alexandru Cojocaru, Emilia Burada, Adrian-Tudor Bălșeanu, Alexandru-Florian Deftu, **Bogdan Cătălin**, Aurel Popa-Wagner, Eugen Osiac, Roles of Microglial Ion Channel in Neurodegenerative Diseases, *Journal of clinical Medicine*, 10(6):1239,2021
34. Mircea Popescu Driga, **Bogdan Catalin**, Denisa Greta Olaru, Agnieszka Slowik, Nikolaus Plesnila, Dirk M Hermann, Aurel Popa-Wagner, The Need for New Biomarkers to Assist with Stroke Prevention and Prediction of Post-Stroke Therapy Based on Plasma-Derived Extracellular Vesicles, *Biomedicines*, 9(9):1226,2021.



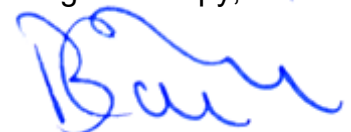
35. Frederico R Ferreira, Alexander Cupido, **Bogdan Catalin**, Wilson A Silva, Frank Kirchhoff, Elaine A Del-Bel, Francisco S Guimaraes, Astrocyte Intracellular Ca<sup>2+</sup> and TrkB Signaling in the Hippocampus Could Be Involved in the Beneficial Behavioral Effects of Antidepressant Treatment, *Neurotoxicity Research*, 39(3):860-871, 2021
36. Na Zhao, Wenhui Huang, Bogdan Cătălin, Anja Scheller, Frank Kirchhoff, L-Type Ca<sup>2+</sup> Channels of NG2 Glia Determine Proliferation and NMDA Receptor-Dependent Plasticity, *Frontiers in Cell and Developmental Biology*, 9: 759477, 2021.

#### Articole BDI in extenso

37. Alexandru, D; Cătălin, B; Georgescu, M; Georgescu, D; Iancău, Maria; The assessment of ERG differences between red and white stimuli, *Fiziologia – Physiology*, 4 (72):24-28, 2011.
38. Mitran, Ioana Smaranda; Catalin, Bogdan; Sfredel, Veronica; Balseanu, Tudor-Adrian; Neuroregeneration and dementia: new treatment options, *Journal of Molecular Psychiatry*, 1(12), 2013.
39. Cătălin, B; Mitran, Smaranda; Albu, Carmen; Iancău, Maria; Comparative Aspects of Microglia Reaction in White and Gray Matter, *Current health sciences journal*, 39(3):151, 2013.
40. Albu, Carmen Valeria; Cătălin, B; Zaharia, Cornelia; A rare case of ocular myositis, *Current health sciences journal*, 40(1):71, 2014
41. Streba, Costin Teodor; Georgescu, Sabina Ligia; Jig, M; Dinu, Maria Andreea; Dinescu, VC; Bogdan, C; Artificial neural network as an analyze tool for optical coherence tomography images of experimental stroke models-a pilot study, *Physics AUC*, 25:1-8, 2015.
42. Sfredel, Mirela Diana; Burada, Emilia; Cătălin, Bogdan; Dinescu, Venera; Târtea, Georgică; Iancău, Maria; Osiac, Eugen; Blood Coagulation Following an Acute Ischemic Stroke. *Current Health Sciences Journal*, 44(2):118-121, 2018.
43. Toader, Laura Emilia; Rosu, Gabriela-Camelia; Catalin, Bogdan; Tudorica, Valerica; Pirici, Ionica; Taisescu, Oana; Muresanu, Dafin Fior; Clinical and histopathological assessment on an animal model with experimental autoimmune encephalomyelitis, *Curr Health Sci J*, 44(3):280-287, 2018.
44. Burada, Emilia; Balseanu, Adrian Tudor; Mitran, Smaranda; Sfredel, Veronica; Burada, Florin; Catalin, Bogdan; Radiation-induced brachial plexopathy a case report and review of the literature cancer, *World Journal Of Pharmaceutical And Medical Research*, 4(4):249-252, 2018.
45. Burada, Emilia; Balseanu, Tudor Adrian; Mitran, Smaranda; Sfredel, Veronica; Catalin, Bogdan; The pattern of electrophysiological abnormalities in a group of romanian patients, *World Journal Of Pharmaceutical And Medical Research*, 4(6):38-41, 2018.
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#### Proceeding ISI

47. Vasilescu, M; Ionescu, A; Nestianu, A; Nestianu, V; Rusu, L; Balseanu, AT; Bogdan, C, The computerized analysis of muscle fatigue, using surface electromyography and synthetic indices, at athletes, 6th European Sports Medicine Congress (Efsma), 319-322, 2009.
48. Alexander Cupido, Bogdan Cătălin, Heinz Steffens, Frank Kirchhoff, Springer Protocols – Neuromethods: Laser scanning microscopy and quantitative image analysis of neuronal tissue, Surgical procedures to study microglial motility in the brain and in the spinal cord by in vivo two-photon laser-scanning microscopy, Humana Press, 2014, ISBN 978-1-4939-0380-1, nr. pag 307.
- 49.



## Proceeding BDI

### Meeting abstracts (rezumate) indexate ISI

50. Iancu, M; Georgescu, D; Catalin, B; Sfredel, V; Romanescu, F; Georgescu, M; Nestianu, V; Electrophysiological testing of coloured sight through visual evoked potentials *Acta Neurobiologiae Experimentalis* 36(7), 2007
51. Georgescu, C; Catalin, B; Grigorie, D; Grigorie, O; Nicorescu, A; Ciorbagiu, M; Velicu, N; Aspects of testing in the human chromatic memory, *Acta Neurobiologiae Experimentalis*, 67(3), 2007.
52. Enescu Bieru Denisa, Catalin Bogdan, Georgescu Daniel, Călina Mirela Lucia, Cosma Germina, Forțan Cătălin, Iancău Maria, Some neurophysiologic assessments trough event related potential in performance sports, *Journal of Sports Science & Medicine*, Nr. Supp 11, Vol. 8, 2009.
53. Vasilescu M., Ionescu A., Nestianu A., Nestianu V., Rusu L., Balseanu A.T., Bogdan C, The computerized analysis of muscle fatigue, using surface electromyography and synthetic indices, at athletes, *Journal of Sports Science & Medicine*, Nr. Supp 11, Vol. 8, 2009.
54. Neamtu, MC; Catalin, B; Rusu, L; Avramescu, T; Georgescu, D; Balseanu, AT; Neamtu, OM; Iancu, M; P7. 13 Neurophysiological assessment through visual evoked potentials and tensiomyography on multiple sclerosis patients, *Clinical Neurophysiology*, 122: S92-S93, 2011.
55. Cupido, Alexander; Catalin, Bogdan; Kirchhoff, Frank; Cox-2 inhibitors reduce microglia inflammation in vivo, *GLIA*, 61:S162-S162, 2013.
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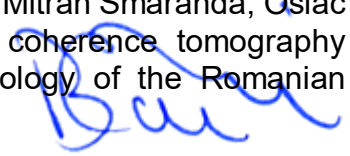
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**Brevete obținute în întreaga activitate**

1. Dispozitiv automat și procedeu de clarificare și imunomarcare în bloc a specimenelor anatomice și anatomopatologice, cu nr. 131896.

**Data:**

13/01/2022

**Semnătura:**

