

CURRICULUM VITAE

Bălșeanu Tudor-Adrian

1. Informatii Personale

- ***Numele si Prenumele:*** Bălșeanu Tudor-Adrian

2. Studiile efectuate si dilomele obtinute

- ***1994 - 1998:*** Liceul Teoretic Balș, județul Olt, - diploma de bacalaureat obținută la Colegiul Național Sf. Sava, București
- ***1998 – 2004:*** Universitatea de Medicina si Farmacie din Craiova, Facultatea de Medicină – diplomă de licență
- ***2004 - 2005:*** Universitatea de Medicina si Farmacie din Craiova, Departamentul pentru Pregătirea Personalului Didactic, - Diploma Modul Psihopedagogic
- ***2007- 2011:*** Studii doctorale la Universitatea de Medicina si Farmacie din Craiova – diploma de doctor în științe medicale.
- ***2015- 2016:*** Studii master la Universitatea de Medicina si Farmacie din Craiova, Managementul Serviciilor de Sanatate – diploma de master.

3. Experiența profesională

- 2005 - 2006** **Stagiar:** Spitalul Clinic de Urgenta, Craiova, Romania
- 2006 - 2014** **Rezident:** Medicina Internă
- 2006 - 2009** **Preparator universitar** Universitatea de Medicină și Farmacie din Craiova, Facultatea de Medicină, Disciplina de Fiziologie, Craiova, Romania
- 2009 - 2013** **Asistent universitar** Universitatea de Medicină și Farmacie din Craiova, Facultatea de Medicină, Disciplina de Fiziologie, Craiova, Romania
- 2013 - 2016** **Șef lucrări universitar** Universitatea de Medicină și Farmacie din Craiova, Facultatea de Medicină, Disciplina de Fiziologie, Craiova, Romania
- 2014 - prezent** **Medic specialist:** Medicina Internă
- 2016 - 2018** **Conferențiar universitar** Universitatea de Medicină și Farmacie din Craiova, Facultatea de Medicină, Disciplina de Fiziologie, Craiova, Romania
- 2018 - prezent** **Profesor universitar** Universitatea de Medicină și Farmacie din Craiova, Facultatea de Medicină, Disciplina de Fiziologie, Craiova, Romania
- 2016 - prezent** **Prodecan cu asigurarea calității procesului de învățământ, activitatea cu studenții**, Facultatea de Medicină, Universitatea de Medicină și Farmacie din Craiova, Craiova, Romania

4. Activitate de Cercetare

- 2006** **Bursa Erasmus**, la Universitatea Ernst –Moritz-Arndt (Laboratorul de Neurobiologie Moleculara din cadrul clinicii de Neurologie), Greifswald, Germania;
- 2009** **Bursa Guvernamentală**, acordată de catre Guvernul Romaniei în scopul desfășurării activității de cercetare la Universitatea Ernst –Moritz-Arndt (Laboratorul de Neurobiologie Moleculara din cadrul clinicii de Neurologie), Greifswald, Germania;
- 2012** **Doctor in Medicina**, Universitatea de Medicina si Farmacie din Craiova, Fiziologie Normală și Patologică

2014 *Cercetător postdoctoral*, Universitatea de Medicina și Farmacie din Craiova, proiect POSDRU 136893: Parteneriat strategic pentru creșterea calității cercetării științifice din universitățile medicale prin acordarea de burse doctorale și postdoctorale.

Proiecte de cercetare în calitate de director de proiect:

2020 *Proiect tip TE - Obezitatea ca factor de risc pentru bolile cerebrovasculare: biomarkeri și tranzlacionarea spre modele animale pentru dezvoltarea de noi terapii*, PN-III-P1-1.1-TE-2019-0985, Director Balseanu Tudor-Adrian.

2020 *Proiect tip FDI 2019 - Antreprenoriat și inovație pentru un management de calitate la nivelul instituțiilor și serviciilor medicale și farmaceutice*, CNFIS-FDI-2020-0574, Director Balseanu Tudor-Adrian.

2019 *Proiect tip FDI 2019 - Promovarea excelenței în cercetarea fundamentală și aplicată - prioritate strategică în cadrul Universității de Medicină și Farmacie din Craiova*, CNFIS-FDI-2019-0741, Director Balseanu Tudor-Adrian.

2017-prezent *Proiect tip MC- Acces la infrastructuri de cercetare, biblioteci/arhive/baze de date din străinătate*, PN-III-P1-1.1-MC-2017-2472, Director Balseanu Tudor-Adrian.

2016-prezent *Analiza stării de sănătate a personalului implicat în vânzarea și distribuția produselor petroliere*, UMFCV - Agenti comerciali - S.C. EUROGENETIC S.R.L., 23/2016, Director Balseanu Tudor-Adrian.

Proiecte de cercetare în care sunt sau am fost membru în echipa de cercetare:

2008-2011 *Multimodal Approaches for Regenerative Stroke Therapies*. Acronym: MARS. Proiect V: Therapeutic benefit of therapeutic concepts in aged rats after stroke. (membru al echipei de cercetare), Manager proiect: Aurel Popa-Wagner.

2009-2011 *Metode originale non-temporale de evaluare a echilibrului fluido-coagulant al sangelui. Aportul lor la intelegerea unor anomalii ale hemostazei din diabetul zaharat*, Program IDEI 562/2009, Director Sfredel Veronica.

2008-2011 *Explorarea sistemului biologic integrativ implicat in efortul muscular maximal*, Parteneriate 42159/2008, Director Nestianu Adrian.

2009-2011 *Cercetarea efectelor utilizarii exercitiului fizic in profilaxia si tratamentul sindromului metabolic la adolescenti si tineri*, IDEI, Director Mirela Maria Vasilescu.

2008-2011 *Corelation between the cerebral parenchymal changes induced by stroke and the intensity of the ischemic factor, a study on animal models*, IDEI, Director Mogoanta Laurentiu.

2011-2014 *Terapia celulara regenerativa pentru stroke*, Parteneriate 80/2012, Director Aurel Popa.

2012-2015 *Age related deterioration of biological pathways and their significance for brain tissue regeneration and functional recuperation after stroke*, IDEI 314/2011, Director Aurel Popa.

2015-2018 *Voltage gated sodium channel modulation of microglia activity in Alzheimer's disease*, PN-II-RU-TE-2014 nr. 161, Director Catalin Bogdan.

2015-2018 *Bimodal treatment for ischemic stroke and high definition whole brain microscopic imaging*, PN-II-RU-TE-2014 nr. 160, Director Pirici Daniel.

2016-prezent *Genomica functionala in infectii severe (FUSE)*, ANCS, 31/01.09.2016, Director Netea Mihai Gheorghe.

2016-2019 *Evaluarea efectului Cerebrolysin in tratamentul sclerozei multiple pe model animal de encefalita alergica autoimuna*, Fundatia pentru Studiul Nanoneurostiintelor si Neuroregenerarii, 1007/2016, Director Pirici Ionica.

2017-2019 *Structural analysis and functional modulation of perivascular fluid and amyloid Abeta drainage in the brain*, PN-III-CERC-CO-PED-2016, 143PED/09/01/2017, Director Pirici Daniel.

2018-prezent *Nanostructuri bioactive pentru strategii terapeutice inovatoare*, PN-III-P1-1.2-PCCDI-2017-0749, Director Mogoanta Laurentiu.

5. Premii:

Premiul I – 2008, Premiul I 2009, Premiul I 2011 pentru Comunicări orale în cadrul Conferințelor Societății Române de Fiziologie.

Premiul I - 2012 pentru Comunicare orală în cadrul Conferinței Societății Naționale de Neuroștiințe.

Premiul I – 2017 pentru Poster în cadrul Simpozionului National de Morfologie Microscopica.

Bălșeanu Tudor-Adrian - Listă lucrări

1. Teza de Doctorat

1. Metode de facilitare a recuperării postischemice la nivelul sistemului nervos central, Domeniul: Medicină, Fiziologie normală și patologică, Profesor coordonator: Prof.univ.dr. Maria IANĂU.

2. Brevete de invenție oct. 2020:

1. Metoda pentru prelucrarea electromiogramei de suprafata, Balseanu TA, Nestianu A, Nestianu V, Popescu G, Romanescu FM, Patent Number RO128798-A2, Publ. Date 30 Sep 2013, Main IPC A61B-005/0488.
2. Dispozitiv automat și procedeu de clarificare și imunomarcare în bloc a specimenelor anatomice și anatomopatologice, Pirici I, Pirici ND, Muresan FD, Mogoanta L, Margaritescu C, Balseanu TA, Catalin B, Patent Number(s): RO131896-A0, Publ. Date 29 Sep 2016, Main IPC G01N-1/30, G01N-33/531

3. Cărți și capitole în cărți oct. 2020:

1. Fiziologia si fiziopatologia clinica a sistemului nervos, Bălșeanu Tudor-Adrian, Bogdan Cătălin, Burada Emilia, Editura Sitech Craiova, Craiova 2017 ISBN 978-606-11-5996-3.
2. Fiziologia digestiei - aplicatii practice, Sfredel Veronica, Iancu Maria, Badea Daniela, Iancu Ionela, Mitran Smaranda, Romanescu Florin, Taisescu Citto, Balseanu Adrian, Burada Emilia, Dinescu Venera, Catalin Bogdan, Editura Sitech Craiova, Craiova 2015, ISBN 978-606-11-4061-9.
3. Tomografie optică coerentă - Aplicații speciale în medicină, Eugen Osiac, Tudor-Adrian Balseanu, Bogdan Catalin, Mariana Osiac, Editura Sitech Craiova, Craiova 2014, ISBN 978-606-11-5143-1.
4. Cordul și vasele sanguine: Fiziologie și explorare, Badea Daniela, Sfredel Veronica. Iancu Ionela, Mitran Smaranda, Bălșeanu Tudor-Adrian, Bogdan Cătălin, Editura Sitech Craiova, Craiova 2014, ISBN 978-606-11-4294-1.
5. Elementele figurate sanguine: Fiziologie și explorare, Daniela Badea, Ionela Iancu, Veronica Sfredel, Adrian-Tudor Bălșeanu, Smaranda-Ioana Mitran, Bogdan Cătălin, Editura Sitech Craiova 2012, ISBN 978-606-11-2335-3, 2012.

6. Fiziologia Aparatului Digestiv - Lucrări practice, Iancău Maria, Badea Daniela, Sfredel Veronica. Iancu Ionela, Romanescu Florin, Mitran Smaranda, Bălșeanu Tudor-Adrian, Editor M. Iancău, Editura Sitech 2012, ISBN 978-606-11-2348-3.
7. Neurobiology of postischemic recuperation in the aged mammalian brain, Aurel Popa-Wagner, Adrian Balseanu, Leon Zagrean, Imtiaz M. Shah, Mario Di Napoli, Henrik Ahlenius, and Zaal Kokaia, in Neurovascular Medicine Pursuing Cellular Longevity for Healthy Aging, Editor K. Maiese, Oxford University Press 2009, Chap. 17, Pages: 403-451, ISBN 978-0-19-532669-7.
8. Fiziologia Aparatului Digestiv - Lucrări practice, Iancău Maria, Badea Daniela, Sfredel Veronica. Iancu Ionela, Romanescu Florin, Mitran Smaranda, Bălșeanu Tudor-Adrian, Neamțu Marius Cristian Editor M. Iancău, Editura Medicală Universitară Craiova 2009, ISBN 978-973-106-123-8.
9. Neurologie – Lucrări practice, Pîrșcoveanu Denisa, Cătălin Bogdan, Bălșeanu Tudor-Adrian et al., Editura Sitech, Craiova 2017, ISBN 978-606-11-6180-5.

4. Articole / studii in extenso, publicate

Lucrări in extenso publicate în reviste cotate ISI cu factor de impact - conform Web of Science - Core Collection, oct. 2020

1. Inhibition of Aquaporin 4 Decreases Amyloid A β 40 Drainage Around Cerebral Vessels, Rosu GC, Catalin B, Balseanu TA, Mogoanta L, Margaritescu C, Kumar-Singh S, Pirici D, MOLECULAR NEUROBIOLOGY, Volume: 57, Pages: 4720-4734, Published: 2020, IF 2019 = 4,5, WOS:000559639100001.
2. Electric Stimulation of Neurogenesis Improves Behavioral Recovery After Focal Ischemia in Aged Rats, Balseanu TA, Grigore M, Pinosanu LR, Slevin M, Hermann DM, Glavan D, Popa-Wagner A, FRONTIERS IN NEUROSCIENCE, Volume: 14, Article Number: 732, Published: 2020, IF 2019 = 3.707, WOS:000555921700001.
3. A rare case of idiopathic focal dystonia, Parscoveanu DVF, Albulescu DM, Constantin C, Catalin B, Balseanu TA, Musetescu AE, Tarteia EA, Bumbea AM, Rogoveanu O, Albu VC, ROMANIAN BIOTECHNOLOGICAL LETTERS, Volume: 24, Pages: 749-753, Published: 2019, IF 2018 = 0,59, WOS: 000482118200023.
4. Results of alendronate treatment in patients diagnosed with aseptic osteonecrosis of the femoral head, Kamal KC, Alexandru DO, Rogoveanu OC, Kamal D, Buteica AS, Balseanu TA, Panus C, Maria DT, Traistaru MR, FARMACIA, Volume: 67, Pages: 318-322, Published: 2019, IF 2018 = 1,527, WOS:000465245100019.

5. In vitro and in vivo studies of novel fabricated bioactive dressings based on collagen and zinc oxide 3D scaffolds, Balaure Pc, Holban AM, Grumezescu AM, Mogosanu GD, Balseanu TA, Stan MS; Dinischiotu A, Volceanov, Mogoanta L, INTERNATIONAL JOURNAL OF PHARMACEUTICS, Volume: 557, Pages: 199-207, Published: 2019, IF 2018 = 4,213, WOS:000457290600023.
6. Vitamin B12 Blood Level is Correlated with Drug-Induced Extrapyrimal Symptoms in Schizophrenic Patients, Burada E, Marinescu I, Rogoveanu OC, Dobrescu AM, Taisescu C, Burada F, Sfredel V, Balseanu TA, REVISTA DE CHIMIE, Volume: 70, Pages: 630-632, Published: 2019, IF 2018 = 1,605, WOS:000461982200057.
7. Maternal-Fetal Management in Trombophilia Related and Placenta-Mediated Pregnancy Complications, Berceanu C, Ciurea EL, Cirstoiu MM, Berceanu S, Ofiteru AM, Mehedintu C, Berbece SI, CiorteaR, Stepan AE, Balseanu TA, REVISTA DE CHIMIE, Volume: 69, Pages: 1394-1403, Published: 2018, IF 2017 = 1,605, WOS:000449628400018.
8. Colposcopic, Histologic and Immunohistochemical Assessment in Cervical Intraepithelial Lesions, Berceanu C, Paitici S, Berceanu S, Bratila E, Ofiteru AM, Mehedintu C, Berbece S, Navolan D, Obleaga CV, Balseanu TA, REVISTA DE CHIMIE, Volume: 69, Pages: 2245-2250, Published: 2018, IF 2018 = 1,605, WOS:000444602300063.
9. Microglia morphology in the physiological and diseased brain - from fixed tissue to in vivo conditions, Laura Stopper, Balseanu TA, Catalin B, Rogoveanu OC, Mogoanta L, Scheller A, ROMANIAN JOURNAL OF MORPHOLOGY AND EMBRYOLOGY, Volume: 59, Issue: 1, Pages: 7-12, Published: 2018 IF 2018 = 1,5, (*equal contribution with the first author*), WOS:000444860300007.
10. Cerebrolysin and Aquaporin 4 Inhibition Improve Pathological and Motor Recovery after Ischemic Stroke, Catalin B, Rogoveanu OC, Pirici I, Balseanu TA, Stan A, Tudorica V, Balea M, Mindrila I, Albu CV, Mohamed G, Pirici D, Muresanu DF, CNS & NEUROLOGICAL DISORDERS-DRUG TARGETS, Volume: 17, Issue: 1, Pages: 299-308, Published: 2018, IF 2017 = 2,761, WOS:000440487700009.
11. Microglial morphology determined with confocal and two-photon laser scanning microscopy, Mitran SI, Burada E, Tanasie CA, Manea NC, Ciorbagiu MC, Mirea CS, Balseanu TA, ROMANIAN JOURNAL OF MORPHOLOGY AND EMBRYOLOGY, Volume: 59, Issue: 2, Pages: 401-407, Published: 2018 IF 2017 = 1,5 , WOS:000438117200001.
12. Inhibition of Aquaporin-4 Improves the Outcome of Ischaemic Stroke and Modulates Brain Paravascular Drainage Pathways, Pirici I, Balseanu TA, Catalin B, Margaritescu C, Divan T, Vacaras V, Mogoanta L, Pirici D, Carare RO, Muresanu

- DF, INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, Volume: 19, Pages: 59-66, Published: 2018, IF 2017 = 4,183 (*equal contribution with the first author*), WOS:000424407200044.
13. Caloric restriction stabilizes body weight and accelerates behavioral recovery in aged rats after focal ischemia, Ciobanu O, Sandu RE, Balseanu AT, Zavaleanu A, Gresita A, Petcu EB, Uzoni A and Popa-Wagner A, AGING CELL, Volume: 16, Pages: 1394–1403, Published: 2017, IF 2017 = 7,627, WOS:000418387600017.
 14. The in situ morphology of microglia is highly sensitive to the mode of tissue fixation, Catalin B, Stopper L, Balseanu TA, Scheller A, JOURNAL OF CHEMICAL NEUROANATOMY, Volume: 86, Pages: 59-66, Published: 2017, IF 2017 = 2,162, WOS:000418219300007.
 15. Stem cell therapies in preclinical models of stroke. Is the aged brain microenvironment refractory to cell therapy?, Sandu RE, Balseanu AT, Bogdan C, Slevin M, Petcu E, Popa-Wagner A. EXPERIMENTAL GERONTOLOGY, Volume: 94, Pages: 73-77, Published: 2017, IF 2017 = 3,224 (*equal contribution with the first author*), WOS:000404494300014.
 16. Tau protein in neurodegenerative diseases - a review, Pircoveanu DFV, Pirici I, Tudorica V, Balseanu TA, Albu VC, Bondari S, Bumbea AM, Pircoveanu M, ROMANIAN JOURNAL OF MORPHOLOGY AND EMBRYOLOGY, Volume: 58, Issue: 4, Pages: 1141-1150, Published: 2017 IF 2017 = 0,912, WOS:000428660300001.
 17. Implications of inflammation and remodeling of the enteric glial cells in colorectal adenocarcinoma, Tarteia EA, Florescu C, Donoiu I, Pirici D, Mihailovici AR, Albu VC, Balseanu TA, Iancau M, Badea CD, Vere CC, Sfredel V, ROMANIAN JOURNAL OF MORPHOLOGY AND EMBRYOLOGY, Volume: 58, Issue: 2, Pages: 473-480, Published: 2017 IF 2017 = 0,912, WOS:000406647000017.
 18. Three-dimensional organ scanning reveals brain edema reduction in a rat model of stroke treated with an aquaporin 4 inhibitor, Popescu ES, Pirici I, Ciurea RN, Bălșeanu TA, Cătălin B, Mărgăritescu C, Mogoantă L, Hostiuc S, Pirici D, ROMANIAN JOURNAL OF MORPHOLOGY AND EMBRYOLOGY, Volume: 58, Issue: 1, Pages: 59-66, Published: 2017, IF 2017 = 0,912 (*equal contribution with the first author*), WOS:000402584100009.
 19. Biocompatible hybrid silica nanobiocomposites for the efficient delivery of anti-staphylococcal drugs, Balaure PC, Popa RA, Grumezescu AM, Voicu G, Rădulescu M, Mogoantă L, Bălșeanu TA, Mogoșanu GD, Chifiriuc MC, Bleotu C, Holban AM, Bolocan A, INTERNATIONAL JOURNAL OF PHARMACEUTICS, Volume: 510, Issue: 2, Pages: 532-542, Published: 2016, IF 2016 = 3,649, WOS:000380754500016.
 20. Thin coatings based on ZnO@C18–usnic acid nanoparticles prepared by MAPLE

- inhibit the development of *Salmonella enterica* early biofilm growth., Stan MS, Constanda S, Grumezescu V, Andronescu E, Ene AM, Holban AM, Vasile BS, Mogoantă L, Bălșeanu TA, Mogoșanu GD, Socol A, Grumezescu AM, Dinischiotu A, Lazar V, Chifiriuc MC, APPLIED SURFACE SCIENCE, Volume: 374, Pages: 318-325, Published: 2016, IF 2015 = 3,387, WOS:000375937300049.
21. Fabrication, characterization, and evaluation of bionanocomposites based on natural polymers and antibiotics for wound healing applications, Rădulescu M, Holban AM, Mogoantă L, Bălșeanu TA, Mogoșanu GD, Savu D, Popescu RC, Fufă O, Grumezescu AM, Bezirtzoglou E, Lazar V, Chifiriuc MC, MOLECULES, Volume: 21, Issue: 6, Pages: E761, Published: 2016, IF 2016 = 2,861, WOS:000378757600087.
 22. Silver nano-coatings for reducing the exogenous microbial colonization of wound dressings, Radulescu M, Andronescu E, Dolete G, Popescu RC, Fufa O, Chifiriuc MC, Mogoanta L, Balseanu TA, Mogosanu GD, Grumezescu AM, Holban AM, MATERIALS, Volume: 9, Issue: 5, Pages: 345, Published: 2016, IF 2016 = 2,654, WOS:000378628500040.
 23. Bioactive ZnO coatings deposited by MAPLE-an appropriate strategy to produce efficient anti-biofilm surfaces, Oprea AE, Pandel LM, Dumitrescu AM, Andronescu E, Grumezescu V, Chifiriuc MC, Mogoantă L, Bălșeanu TA, Mogoșanu GD, Socol G, Grumezescu AM, Iordache F, Maniu H, Chirea M, Holban AM, MOLECULES, Volume: 21, Issue: 2, Pages: E220, Published: 2016, IF 2016 = 2,861, WOS:000371895900042.
 24. Twenty-four hours hypothermia has temporary efficacy in reducing brain infarction and inflammation in aged rats, Sandu RE, Buga AM, Balseanu AT, Moldovan M, Popa-Wagner A, NEUROBIOLOGY OF AGING, Volume: 38, Pages: 127-140, Published: 2016, IF 2016 = 4,870, WOS:000368991300015.
 25. Effect of *Scutellariae herba* extracts in experimental model of skin burns: histological and immunohistochemical assessment, Bejenaru C, Mogoșanu GD, Bejenaru LE, Bită A, Bălșeanu TA, Ionică FE, ROMANIAN JOURNAL OF MORPHOLOGY AND EMBRYOLOGY, Volume: 57, Issue: 4, Pages: 1285-1294, Published: 2016, IF 2016 = 0,670, WOS:000394201300013.
 26. GPER and ER α expression in abnormal endometrial proliferations, Tica AA, Tica OS, Georgescu CV, Pirici D, Bogdan M, Ciurea T, Mogoantă SȘ, Georgescu CC, Comănescu AC, Bălșeanu TA, Ciurea RN, Osiac E, Buga AM, Ciurea ME, ROMANIAN JOURNAL OF MORPHOLOGY AND EMBRYOLOGY, Volume: 57, Issue: 2, Pages: 413-418, Published: 2016, IF 2016 = 0,670, WOS:000381899000009.
 27. Antimicrobial coatings based on zinc oxide and orange oil for improved bioactive wound dressings and other applications, Rădulescu M, Andronescu E, Cirja A,

- Holban AM, Mogoantă L, Bălșeanu TA, Cătălin B, Neagu TP, Lascăr I, Florea DA, Grumezescu AM, Ciubuca B, Lazăr V, Chifiriuc MC, Bolocan A, ROMANIAN JOURNAL OF MORPHOLOGY AND EMBRYOLOGY, Volume: 57, Issue: 1, Pages: 107-114, Published: 2016, IF 2016 = 0,670, WOS:000376048800012.
28. In vivo biodistribution of CNTs using a BALB/c mouse experimental model, Fufă MO, Mihaiescu DE, Mogoantă L, Bălșeanu TA, Mogoșanu GD, Grumezescu AM, Bolocan A, ROMANIAN JOURNAL OF MORPHOLOGY AND EMBRYOLOGY, Volume: 56, Issue: 4, Pages: 1481-1493, Published: 2015, IF 2015 = 0,811, WOS:000368382400031.
29. Salivary and serum biomarkers for the study of side effects of aripiprazole coprescribed with mirtazapine in rats, Bogdan M, Silosi I, Surlin P, Tica AA, Tica OS, Balseanu TA, Rauten AM, Camen A., INTERNATIONAL JOURNAL OF CLINICAL AND EXPERIMENTAL MEDICINE, Volume: 8, Issue: 5, Pages: 8051-8059, Published: 2015, IF 2015 = 1,075 (*equal contribution with the first author*), WOS:000359293200170.
30. Microglial voltage-gated sodium channels modulate cellular response in Alzheimer's disease - a new perspective on an old problem, Cătălin B, Mitran S, Ciorbagiu M, Osiac E, Bălșeanu TA, Mogoantă L, Dinescu SN, Albu CV, Mirea CS, Vîlcea ID, Iancău M, Sfredel V., ROMANIAN JOURNAL OF MORPHOLOGY AND EMBRYOLOGY, Volume: 56, Issue: 1, Pages: 21-25, Published: 2015, IF 2015 = 0,811 (*all authors have an equal contribution*), WOS:000351952600003.
31. Study of restorative processes in brain laceration in the first seven days after traumatic brain injury, Florou C, Cătălin B, Badea O, Bălșeanu TA, Vasilescu CE, Mogoantă L, Grosu F, Matei M, Turculeanu A., ROMANIAN JOURNAL OF MORPHOLOGY AND EMBRYOLOGY, Volume: 56, Issue: 1, Pages: 115-124, Published: 2015, IF 2015 = 0,811, WOS:000351952600015.
32. 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, Balseanu AT, Buga AM, Catalin B, Wagner DC, Boltze J, Zagrean AM, Reymann K, Schaebitz W, Popa-Wagner A., FRONTIERS IN AGING NEUROSCIENCE, Volume: 6, Article Number: 130, Published: 2014, IF 2015 = 4,000, WOS:000363038900001.
33. Optical coherence tomography investigation of ischemic stroke inside a rodent model, Osiac E, Bălșeanu TA, Mogoantă L, Gheonea DI, Pirici I, Iancău M, Mitran SI, Albu CV, Cătălin B, Sfredel V, ROMANIAN JOURNAL OF MORPHOLOGY AND EMBRYOLOGY, Volume: 55, Issue: 3, Pages: 767-772, Published: 2014, IF 2014 = 0,659 (*equal contribution with the first author*), WOS:000344040000003.
34. Optical coherence tomography as a promising imaging tool for brain

- investigations, Osiac E, Bălșeanu TA, Cătălin B, Mogoantă L, Gheonea C, Dinescu SN, Albu CV, Cotoi BV, Tica OS, Sfredel V., ROMANIAN JOURNAL OF MORPHOLOGY AND EMBRYOLOGY, Volume: 55, Issue: 2, Supplement: S, Pages: 507-512, Published: 2014, IF 2014 = 0,659 (*corresponding author*), WOS:000342868500002.
35. Prolonged gaseous hypothermia prevents the upregulation of phagocytosis-specific protein Annexin 1 and causes low-amplitude EEG activity in the aged rat brain after cerebral ischemia, Joseph C, Buga AM, Vintilescu R, Balseanu AT, Moldovan M, Junker H, Walker L, Lotze M, Popa-Wagner A, JOURNAL OF CEREBRAL BLOOD FLOW AND METABOLISM, Volume: 32, Issue: 8, Pages: 1632-1642, Published: 2012, IF 2012 = 5,398, WOS:000307099400019.
 36. Repeated PTZ treatment at 25-Day intervals leads to a highly efficient accumulation of doublecortin in the dorsal hippocampus of rats, Buga AM, Vintilescu R, Balseanu AT, Pop OT, Streba C, Toescu E, Popa-Wagner A, Source: PLOS ONE, Volume: 7, Issue: 6, Article Number: e39302, DOI: 10.1371/journal.pone.0039302, Published: 2012, IF 2012 = 3,730, WOS:000305892100042.
 37. Study of cellular changes induced by moderate cerebral ischemia achieved through internal carotid artery ligation, Pinteia I, Rolea E, Balseanu AT, Pirici I, Pop OT, Mogoanta L, ROMANIAN JOURNAL OF MORPHOLOGY AND EMBRYOLOGY, Volume: 52, Issue: 4, Pages: 1347-1353, Published: 2011, IF 2011 = 0,523, WOS:000299211900026.
 38. Effects of Granulocyte-Colony Stimulating Factor after atroke in aged rats, Popa-Wagner A, Stocker K, Balseanu AT, Rogalewski A, Diederich K, Minnerup J, Margaritescu C, Schabitz WR, STROKE, Volume: 41, Issue: 5, Pages: 1027-1031, Published: 2010, IF 2010 = 5,756, WOS:000277064300033.
 39. Sleep deprivation attenuates experimental stroke severity in rats, Moldovan M, Constantinescu AO, Balseanu A., Oprescu N, Zagrean L, Popa-Wagner A, EXPERIMENTAL NEUROLOGY, Volume: 222, Issue: 1, Pages: 135-143, Published: 2010, IF 2012 = 4,436, WOS:000275306600017.
 40. Study of vascular microdensity in areas of cerebral ischemia on experimental model, Mogoanta L, Pirici D, Pop OT, Balseanu AT, Rolea E, Dahnovici RM, ROMANIAN JOURNAL OF MORPHOLOGY AND EMBRYOLOGY, Volume: 51, Issue: 4, Pages: 725-731, Published: 2010, IF 2010 = 0,381, WOS:000285641200019.
 41. Long-term hypothermia reduces infarct volume in aged rats after focal ischemia, Florian B, Vintilescu R, Balseanu AT, Buga AM, Grisk O, Walker LC, Kessler C, Popa-Wagner A, NEUROSCIENCE LETTERS, Volume: 438, Issue: 2, Pages: 180-185, Published: 2008, IF 2008 = 2,200, WOS:000257276900011.

Lucrări in extenso publicate în reviste cotate ISI fara factor de impact - conform Web of Science - Core Collection, oct. 2020

1. Strategies to improve post-stroke behavioral recovery in aged subjects, Buga AM, Balseanu A, Popa-Wagner A, Mogoanta L, ROMANIAN JOURNAL OF MORPHOLOGY AND EMBRYOLOGY, Volume: 50, Issue: 4, Pages: 559-582, Published: 2009, WOS:000273288200003.
2. Annexin A3 expression after stroke in the aged rat brain, Kessler C, Junker H, Junker Heike, Balseanu TA, Oprea B, Pirici D, Mogoanta L, Popa-Wagner A, ROMANIAN JOURNAL OF MORPHOLOGY AND EMBRYOLOGY, Volume: 49, Issue: 1, Pages: 27-35, Published: 2008, WOS:000260634700004.
3. Cellular and molecular mechanisms underlying neurorehabilitation after stroke in aged subjects, Buga AM, Dunoiu C, Balseanu A, Popa-Wagner A, ROMANIAN JOURNAL OF MORPHOLOGY AND EMBRYOLOGY, Volume: 49, Issue: 3, Pages: 279-302, Published: 2008, WOS:000260635200001.

Lucrări in extenso publicate în volumele conferințelor (proceedings) conform Web of Science - Core Collection, oct. 2020

1. The influence of aerobic exercise and caloric restricted diet association at young patients with metabolic syndrome, Vasilescu M, Rusu L, Dinca M, Ortanescu D, Nanu C, Cosma G, Balseanu TA, Editors: Ergen E, Ulkar B, Guner R, 6TH EUROPEAN SPORTS MEDICINE CONGRESS (EFSMA), Pages: 315-318, Published: 2009.
2. The computerized analysis of muscle fatigue, using surface electromyography and synthetic indices, at athletes, Vasilescu M, Ionescu A, Nestianu A, Nestianu V, Rusu L, Balseanu AT, Bogdan C, Editors: Ergen E, Ulkar B, Guner R, 6TH EUROPEAN SPORTS MEDICINE CONGRESS (EFSMA), Pages: 319-322, Published: 2009.

Lucrări in extenso publicate în reviste cotate în baze de date internaționale - conform Pubmed - Medline, oct. 2020

1. Neuroregeneration and dementia: new treatment options., Mitran SI, Catalin B, Sfredel V, Balseanu TA., JOURNAL OF MOLECULAR PSYCHIATRY, Volume: 1, Issue: 1, Pages: 12, Published: 2013.
2. Correlations between abdominal circumference and the breakage resistance of the fibrin clot, in patients with diabetes mellitus type 2, Sfredel V, Mota M, Iancu I, Danoiu S, Mitran SI, Balseanu AT, Pisoschi C, Riza A., ROMANIAN JOURNAL OF INTERNAL MEDICINE, Volume: 48, Issue: 2, Pages: 165-171, Published: 2009.

Lucrări in extenso publicate în reviste cotate în baze de date internaționale - Index Copernicus International Database, Ebscohost Database, University of Zurich Database, Scopus, oct. 2020

1. Radiation-induced brachial plexopathy a case report and review of the literature, Burada E, Balseanu AT, Mitran S, Sfredel V, Burada F, Catalin B, World Journal of Pharmaceutical and Medical Research. 2018; 4(4): 249 -252 (corresponding author).
2. The pattern of electrophysiological abnormalities in a group of Romanian patients, Burada E, Balseanu AT, Mitran S, Sfredel V, Catalin B, World Journal of Pharmaceutical and Medical Research. 2018; 4(6): 38-41 (corresponding author).
3. Artificial neural network as an analyze tool for optical coherence tomography images of experimental stroke models-a pilot study, Costin Teodor Streba, Sabina Ligia Georgescu, Maria Jigau, Maria Andreea Dinu, Tudor-Adrian Balseanu, Venera Cristina Dinescu, Bogdan Catalin, Eugen Osiac, Annals of the University of Craiova - PHYSICS, Volume: 25, Pages 1-8, Published: 2015.
4. Blood clearance of citric acid-coated superparamagnetic iron oxide nanoparticles in rats-a pilot study, Trincu NF, Balseanu TA, Ungureanu BS, Fifere A, Pirici I, Saftoiu A, Neamtu J, CURRENT HEALTH SCIENCES JOURNAL, Volume: 41, Issue:4 Pages 302-306, Published: 2015.
5. Liver fatty acid binding protein and hemojuvelin, Bogdan M, Silosi I, Surlin P, Tica AA, Tica OS, Balseanu TA, Rauten AM, Cioloca D, Camen A, CURRENT HEALTH SCIENCES JOURNAL, Volume: 41, Issue:2 Pages 115-120, Published: 2015.
6. Etiology and Pathophysiology of Seizures, Epilepsy and Status Epilepticus after Stroke, Vintilescu Raluca, Balseanu Adrian, Mitu Cristina, Dina Ciprian, Georgescu Marius, Iancau Maria, FIZIOLOGIA - PHYSIOLOGY, Volume: 22, Issue: 3, Pages 36-40, Published: 2012.
7. Periodontal Disease and Glycemic Control in Patients with Diabetes, Ciprian-Alexandru Dina, Raluca Dina, Iulia Vladu, Raluca Vintilescu, Taisescu Citto, Tudor Adrian Bălșeanu, Maria Iancau, , FIZIOLOGIA - PHYSIOLOGY, Volume: 22, Issue: 2, Pages 33-36, Published: 2012.
8. Differences of EEG theta wave at fencers and volleyball professional players, Denisa Enescu-Bieru, Mirela Lucia Calina, Gusti Alice, Kese Anamaria, Cosma Germina, Fortan Catalin, Romanescu Florin, Adrian Bălșeanu, MEDICINA SPORTIVA, Volume: 7, Issue: 4 supplement, Pages 778-782, Published: 2011.
9. The effects of continuous versus intermittent aerobic exercises on lipid profile

- and anthropometrical parameters at young with Metabolic Syndrome, Vasilescu Mirela, Balșeanu Tudor Adrian, Balașoiu Mariana, Rusu Ligia, Cosma Germina, Nanu Costin, *MEDICINA SPORTIVA*, Volume: 6, Issue: 1, Pages 1304-1310, Published: 2010.
10. Correlations between cardiovascular anthropometric and morphofunctional parameters at junior athletes, Valentina Dinu, Mirela Lucia Calina, Ligia Rusu, Elena Taina Avramescu, Adrian Bălșeanu, *MEDICINA SPORTIVA*, Volume: 6, Issue: 3 supplement, Pages 454-458, Published: 2010.
 11. Characteristics of the nervous motor conduction velocity at girls and boys athlete, Denisa Enescu-Bieru, Mirela Lucia Calina, Valentina Dinu, Germina Cosma, Catalin Fortan, Bogdan Catalin, Tudor Adrian Balșeanu, *MEDICINA SPORTIVA*, Volume: 6, Issue: 3 supplement, Pages 492-497, Published: 2010.
 12. Skeletal muscle fatigue - from the peripheral to the central mechanisms, Florin-Marius Romanescu, Mirela Vasilescu, Adrian Nestianu, Tudor Adrian Balseanu, Dana Motoc, Catalin Bogdan, Valeriu Nestianu *MEDICINA SPORTIVA*, Volume: 6, Issue: 2, Pages 1315- 1325, Published: 2010.
 13. Regeneration of tissue function after cerebral ischemia in the aged rats: New therapeutic strategie, Ana-Maria Buga, AdrianTudor Balseanu, Aurel Popa-Wagner. Regeneration of tissue function after cerebral ischemia in the aged rats: New therapeutic strategies, *CLUJUL MEDICAL*, Volume: 83, Issue: 1, Pages: 49-55, Published: 2010.
 14. Cellular Responses to Cerebral Ischemia during Aging, Balseanu TA, Buga AM, Popa-Wagner A, *CURRENT HEALTH SCIENCES JOURNAL*, Volume: 35, Issue: 4, Pages: 209-218, Published: 2009.

5. *Lucrări în rezumat publicate în volumele conferințelor (proceedings) conform Web of Science - Core Collection, oct. 2020*

1. Role of bone markers in evaluating therapeutic response in patients with osteoporosis, Rogoveanu OC, Balseanu A, Burada F, Docea AO, Calina D, WCO-IOF-ESCEO World Congress on Osteoporosis, Osteoarthritis and Musculoskeletal Diseases, APR 04-07, 2019, Paris, France, *OSTEOPOROSIS INTERNATIONAL*, Volume 30, Supplement: 2, Meeting Abstract: P484, Pages: S436-436, Published JUL 2019.
2. The analysis of the electrophysiological changes in the striated muscle subjected to ischemic preconditioning, Rogoveanu OC, Taisescu O, Traistaru R, Florescu LM, Balseanu A, WCO-IOF-ESCEO World Congress on Osteoporosis, Osteoarthritis and Musculoskeletal Diseases, APR 19-22 2018, Krakow, POLAND, *OSTEOPOROSIS INTERNATIONAL*, Volume 29, Supplement: 1, Meeting Abstract:

P561, Pages: S319-S319, Published APR 2018.

3. Inhibiting aquaporin 4 modulates the perivascular drainage of amyloid A ss peptide in the brain, Pirici ND, Catalin B, Pirici I, Nicola GC, Ofiteru AM, Mogoanta L, Margaritescu C, 4th Congress of the European-Academy-of-Neurology (EAN), JUN 16-19, 2018, Lisbon, Portugal, EUROPEAN JOURNAL OF NEUROLOGY, Volume 25, Supplement: 2, Special Issue: SI, Meeting Abstract: EPR2025, Pages: S319-S319, Published: JUNE 2018.
4. In situ morphology of microglia is highly sensitive to the tissue fixation method used, Catalin B, Schlosser L, Balseanu, AT, Scheller A, 13th European Meeting on Glial Cells in Health and Disease, Edinburgh, SCOTLAND, Date: JUL 08-11, 2017, GLIA, Volume: 65, Pages: E477, Published: JUNE 2017.
5. Effects of Granulocyte-colony Stimulating Factor After Stroke in Aged Rats, Popa-Wagner A, Stoecker K, Balseanu AT, Rogalewski A, Diederich K, Minnerup J, Margaritescu C, Schabitz W, International Stroke Conference, Location: San Antonio, TX, USA, Date: FEB 23-26, 2010, STROKE, Volume: 41, Issue: 4, Pages: E352, Published: APR 2010.

Am publicat un număr de 96 articole în rezumat în revistele și volumele unor manifestări științifice cu ISBN sau ISSN.

Articolele publicate au cumulat nu număr de citări ale lucrărilor:

- în sistemul ISI Web of Science (Clarivate Analytics) - 692, indice h - 13 (oct. 2020).

- în sistemul SCOPUS - 628, indice h - 14 (oct. 2020).

- în reviste indexate în BDI - 894, indice h - 15 (oct. 2020).

Bălșeanu Tudor-Adrian