

CURRICULUM VITAE



Bălșeanu Tudor-Adrian

Informatii Personale

- **Numele si prenumele:** Bălșeanu Tudor-Adrian
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- **Data nasterii:** 26.03.1980
- **Nationalitate:** Romana
- **Stare civilă:** căsătorit

Studiile efectuate si dilomele obtinute

- **1994 - 1998:** Liceul Teoretic Baș, 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.

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
2016 - 2020	Prodecan cu asigurarea calității procesului de învățământ, activitatea cu studenții, Facultatea de Medicină, Universitatea de Medicină și Farmacie din Craiova, Romania
2016 - prezent	Membru in Consiliul Facultatii de Medicina, Universitatea de Medicină și Farmacie din Craiova, Romania
2018 - prezent	Profesor universitar, Disciplina de Fiziologie, Facultatea de Medicină, Universitatea de Medicină și Farmacie din Craiova, Romania
2020 - prezent	Prodecan cu probleme studentești și sociale, Facultatea de Medicină, Universitatea de Medicină și Farmacie din Craiova, Romania
2020 - prezent	Membru in Biroul Consiliului Facultatii de Medicină, Universitatea de Medicină și Farmacie din Craiova, Romania
2020 - prezent	Membru in Senatul Universitatii de Medicină și Farmacie din Craiova, Romania
2020 - prezent	Membru in Comisia Medicină a Consiliului Național de Atestare a Titlurilor, Diplomelor si Certificatelor Universitare (CNATDCU), Romania

Activitate de Cercetare

Burse câștigate prin competiție:

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;

2014 **Bursă Cercetător postdoctoral** Universitatea de Medicina si 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 naționale - director de proiect:

1. **2020-2022** **Proiect tip TE - Obezitatea ca factor de risc pentru bolile cerebrovasculare: biomarkeri si tranzlacionarea spre modele animale pentru dezvoltarea de noi terapii** , PN-III-P1-1.1-TE-2019-0985, Director Balseanu Tudor-Adrian.
2. **2016-2017** **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 naționale de mobilitate a cercetătorilor - director de proiect

1. **2017** **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.

Proiecte de cercetare internaționale - membru în echipa de cercetare:

1. **2008-2011** **Multimodal Approaches for Regenerative Stroke Therapies**.
Acronym: MARS, Federal Ministry of Education and Research (BMBF 01GN0980),
Manager proiect: Aurel Popa-Wagner.

2. **2020-2023** ***Anti-inflammatory miRNA nanoshuttles as therapeutic strategy for stroke.*** Acronym: NANO4STROKE, EURONANOMED III. Manager proiect: Aurel Popa-Wagner.

Proiecte de cercetare naționale - membru în echipa de cercetare:

1. **2021-2022** ***Terapie genetica prin transformarea astrocitelor in neuroni in model de ischemie cerebrala la soareci imbatraniti,*** PN-III-P4-ID-PCE-2020-0590, Director Popa Aurel.
2. **2021-2022** ***Semnalizarea GABA-ergica oligodendrocitara in procesele de mielinizare si remielinizare in patologiile corticale,*** PN-III-P4-ID-PCE-2020-2477, Director Dr. Frank Kirchhoff.
3. **2020-2022** ***Optimizarea strategiei anti-neuroinflamatorii in cadrul terapiei cu celule stem post accident vascular schimic, folosind microscopia cu doi fotoni,*** PN-III-P1-1.1-TE2019-1366, Director Cătălin Bogdan.
4. **2018-2020** ***Nanostructuri bioactive pentru strategii terapeutice inovatoare,*** PN-III-P1-1.2-PCCDI-2017-0749, Director Mogoanta Laurentiu.
5. **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.
6. **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.
7. **2016-prezent** ***Genomica functionala in infectii severe (FUSE),*** ANCS, 31/01.09.2016, Director Netea Mihai Gheorghe.
8. **2015-2018** ***Voltage gated sodium channel modulation of microglia activity in Alzheimer's disease,*** PN-II-RU-TE-2014 nr. 161, Director Catalin Bogdan.
9. **2015-2018** ***Bimodal treatment for ischemic stroke and high definition whole brain microscopic imaging,*** PN-II-RU-TE-2014 nr. 160, Director Pirici Daniel.

10. **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.
11. **2011-2014** *Terapia celulara regenerativa pentru stroke*, Parteneriate 80/2012, Director Aurel Popa.
12. **2009-2011** *Cercetarea efectelor utilizarii exercitiului fizic in profilaxia si tratamentul sindromului metabolic la adolescenti si tineri*, IDEI - Proiecte de Cercetare Exploratorie 385/2009, Director Mirela Maria Vasilescu.
13. **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- Proiecte de Cercetare Exploratorie 562/2009, Director Sfredel Veronica.
14. **2008-2011** *Explorarea sistemului biologic integrativ implicat in efortul muscular maximal*, Parteneriate 42159/2008, Director Nestianu Adrian.
15. **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.

Proiecte de dezvoltare instituțională - director de proiect

1. **2020** *Proiect tip FDI 2021 - Dezvoltarea abilităților antreprenoriale ale studenților și absolvenților Universității de Medicină și Farmacie din Craiova pentru un management de calitate*, CNFIS-FDI-2021-0459, Director Balseanu Tudor-Adrian
2. **2020** *Proiect tip FDI 2020 - Antreprenoriat și inovație pentru un management de calitate la nivelul instituțiilor și serviciilor medicale și farmaceutice*, CNFIS-FDI-2020-0574, Director Balseanu Tudor-Adrian.
3. **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.

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.

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 IANCĂU, Ordin MEN nr. 5743/12.09.2012.

Teza de Abilitare

1. Abordari experimentale multimodale pentru integrarea fiziologiei în medicina modernă, Ordin MEN nr. 5711/27.12.2017. Conducător de doctorat conform H.S. 1/20.02.2018.

Brevete de invenție:

1. Dispozitiv automat și procedeu de clarificare și imunomarcare în bloc a speciimenelor 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

Cărți și capitole în cărți:

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. Neurologie – Lucrări practice, Pîrșcoveanu Denisa Florina Vasilica, Pirici Ionica, Tudorică Valerica, Bălșeanu Tudor Adrian, Albu Valeria Carmen, Zaharia Cornelia, Cătălin Bogdan, Taisescu Oana, Stovicek Puiu Olivian, Editura Sitech, Craiova 2017, ISBN 978-606-11-6180-5.
3. 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.
4. 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.
 5. 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.
 6. 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.
 7. 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.
 8. 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.
 9. 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.

Articole / studii publicate

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

1. Atrial functional tricuspid regurgitation as a distinct pathophysiological and clinical entity: no idiopathic tricuspid regurgitation anymore, JOURNAL OF CLINICAL MEDICINE, Volume 11, Issue 2, Pages: 382, Published: 2021, **IF 2020 = 4,242.**
2. Right heart chambers geometry and function in patients with the atrial and the ventricular phenotypes of functional tricuspid regurgitation, Florescu DR, Muraru D, Florescu C, Volpato V, Caravita S, Perger E, Bălșeanu TA, Parati G, Badano LP, EUROPEAN HEART JOURNAL CARDIOVASCULAR IMAGING, *Online ahead of print*, **IF 2020 = 6,875.**
3. Automated left atrial volume measurement by two-dimensional speckle-tracking echocardiography: feasibility, accuracy, and reproducibility, Florescu DR, Badano LP, Tomaselli M, Torlasco C, Târtea GC, Bălșeanu TA, Volpato V, Parati G, Muraru D, EUROPEAN HEART JOURNAL CARDIOVASCULAR IMAGING, Volume 23, Issue 1, Pages: 85-94, Published: 2021, **IF 2020 = 6,875**
4. Testosterone, cardiomyopathies, and heart failure: a narrative review, Diaconu R, Donoiu I, Mirea O, **Balseanu TA**, ASIAN JOURNAL OF ANDROLOGY, Volume 23, Issue 4, Article Number 316, Published: 2021, Pages: 348-356, **IF 2020 = 3,285**, WOS:000670029300002.

5. *Hericium erinaceus* (Bull.) Pers. Ethanolic Extract with Antioxidant Properties on Scopolamine-Induced Memory Deficits in a Zebrafish Model of Cognitive Impairment, Valu MV, Soare LC, Ducu C, Moga S, Negrea D, Vamanu E, **Balseanu TA**, Carradori S, Hritcu L, Boiangiu, RS, JOURNAL OF FUNGI, Volume 6, Issue 7, Article Number 477, Published: 2021, IF 2020 = 5,816, WOS: 000665901700001.
6. Effects of the Hydroethanolic Extract of *Lycopodium selago* L. on Scopolamine-Induced Memory Deficits in Zebrafish, Valu MV, Ducu C, Moga S, Negrea D, Hritcu L, Boiangiu RS, Vamanu E, **Balseanu TA**, Carradori S, Soare LC, PHARMACEUTICALS, Volume 14, Issue 6, Article Number 568, Published: 2021, IF 2020 = 5,863, WOS:000666769500001.
7. Roles of Microglial Ion Channel in Neurodegenerative Diseases, Cojocaru A, Burada E, **Balseanu AT**, Deftu AF, Catalin B, Popa-Wagner A, Osiac E, JOURNAL OF CLINICAL MEDICINE, Article Number: 1239, Published: 2021, IF 2020 = 4,242, WOS:000651960000001.
8. Optical coherence tomography microscopy in experimental traumatic brain injury, Osiac E, Mitran SI, Manea CN, Cojocaru A, Rosu GC, Osiac M, Pirici DN, **Balseanu AT**, Catalin B, MICROSCOPY RESEARCH AND TECHNIQUE, Volume 84, Issue 3, Pages: 422-431, Published: 2020, **IF 2020 = 2,769**, (*equal contribution with the last author*), WOS:000574552800001.
9. 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 2020 = 5,590, WOS:000559639100001.
10. 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 2020 = 4.677**, WOS:000555921700001.
11. 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 2019 = 0,765, WOS: 000482118200023.
12. 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 2019 = 1,607, WOS:000465245100019.
13. 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 2019 = 4,845, WOS:000457290600023.
14. Vitamin B12 Blood Level is Correlated with Drug-Induced Extrapyrmidal 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 2019 = 1,755**,

- WOS:000461982200057.
15. 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.
 16. 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.
 17. 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.
 18. 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 2018 = 2,761**, WOS:000440487700009.
 19. 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 2018 = 1,5**, WOS:000438117200001.
 20. 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 2018 = 4,183** (*equal contribution with the first author*), WOS:000424407200044.
 21. 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.
 22. 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.
 23. 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.

24. 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.
25. 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.
26. 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.
27. 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.
28. 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.
29. 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.
30. 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.
31. 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.
32. 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.
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