



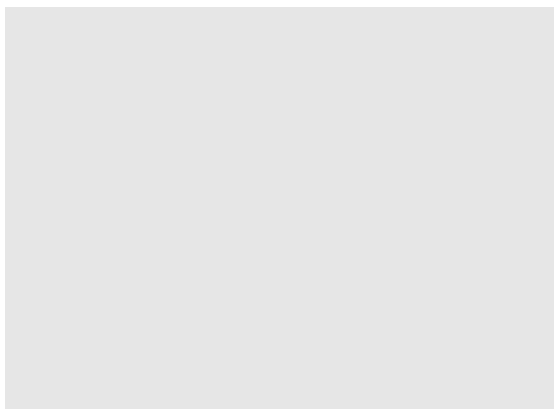
## CURRICULUM VITAE

**Bălșeanu Tudor-Adrian**

### Informatii Personale

---

- **Numele si prenumele:** Bălșeanu Tudor-Adrian
- **Adresa:** Universitatea de Medicină și Farmacie din Craiova, Disciplina de Fiziologie, Str. Petru Rareș nr 2, 200349 Craiova, Dolj, România



### 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.

### Experiența profesională

---

<b>2005 - 2006</b>	<b>Stagiar:</b> Spitalul Clinic de Urgenta, Craiova, Romania
<b>2006 - 2014</b>	<b>Rezident:</b> Medicina Internă
<b>2006 - 2009</b>	<b>Preparator universitar</b> Universitatea de Medicină și Farmacie din Craiova, Facultatea de Medicină, Disciplina de Fiziologie, Craiova, Romania
<b>2009 - 2013</b>	<b>Asistent universitar</b> Universitatea de Medicină și Farmacie din Craiova, Facultatea de Medicină, Disciplina de Fiziologie, Craiova, Romania
<b>2013 - 2016</b>	<b>Șef lucrări universitar</b> Universitatea de Medicină și Farmacie din Craiova, Facultatea de Medicină, Disciplina de Fiziologie, Craiova, Romania
<b>2014 - prezent</b>	<b>Medic specialist:</b> Medicina Internă
<b>2016 - 2018</b>	<b>Conferențiar universitar</b> Universitatea de Medicină și Farmacie din Craiova, Facultatea de Medicină, Disciplina de Fiziologie, Craiova, Romania
<b>2016 - 2020</b>	<b>Prodecan cu asigurarea calității procesului de învățământ, activitatea cu studenții,</b> Facultatea de Medicină, Universitatea de Medicină și Farmacie din Craiova, Romania
<b>2016 - prezent</b>	<b>Membru in Consiliul Facultatii de Medicina,</b> Universitatea de Medicină și Farmacie din Craiova, Romania
<b>2018 - prezent</b>	<b>Profesor universitar,</b> Disciplina de Fiziologie, Facultatea de Medicină, Universitatea de Medicină și Farmacie din Craiova, Romania
<b>2020 - prezent</b>	<b>Prodecan cu probleme studentești și sociale,</b> Facultatea de Medicină, Universitatea de Medicină și Farmacie din Craiova, Romania
<b>2020 - prezent</b>	<b>Membru in Biroul Consiliului Facultatii de Medicina,</b> Universitatea de Medicină și Farmacie din Craiova, Romania
<b>2020 - prezent</b>	<b>Membru in Senatul</b> Universitatii de Medicină și Farmacie din Craiova, Romania
<b>2020 - prezent</b>	<b>Membru in Comisia Medicina a Consiliului Național de Atestare a Titlurilor, Diplomelor si Certificatelor Universitare (CNATDCU),</b> 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** (Obesity as a risk factor for cerebrovascular disease: biomarkers and translation into animal models for the development of new therapies), 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 patologile 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. **2016-2020**     ***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*, PNCDI II – IDEI 2188/2008, Director Mogoanta Laurentiu.

**Proiecte de dezvoltare instituțională - director de proiect**

1. **2021** *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 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

#### **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 Clarivate Analytics cu factor de impact - Core Collection**

1. Atrial functional tricuspid regurgitation as a distinct pathophysiological and clinical entity: no idiopathic tricuspid regurgitation anymore, Florescu DR, Muraru D, Volpato V, Gavazzoni M, Caravita S, Tomaselli M, Ciampi P, Florescu C, **Bălșeanu TA**, Parati G, Badano LP, 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 $\beta$ 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 Extrapyrimalidal 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 nanocoatings 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.
  33. Effect of Scutellariae herba extracts in experimental model of skin burns: histological and immunohistochemical assessment, Bejenaru C, Mogoşanu GD, Bejenaru LE, Bită A, **Bălşeanu TA**, Ionică FE, ROMANIAN JOURNAL OF MORPHOLOGY AND EMBRYOLOGY, Volume: 57, Issue: 4, Pages: 1285-1294, Published: 2016, IF 2016 = 0,670, WOS:000394201300013.
  34. GPER and ER $\alpha$  expression in abnormal endometrial proliferations, Tica AA, Tica OS, Georgescu CV, Pirici D, Bogdan M, Ciurea T, Mogoantă SŞ, Georgescu CC, Comănescu AC, **Bălşeanu 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.
  35. 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, **Bălşeanu 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.
  36. In vivo biodistribution of CNTs using a BALB/c mouse experimental model, Fufă MO, Mihaiescu DE, Mogoantă L, **Bălşeanu TA**, Mogoşanu 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.
  37. 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.
  38. 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, **Bălşeanu 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.
  39. Study of restorative processes in brain laceration in the first seven days after traumatic brain injury, Florou C, Cătălin B, Badea O, **Bălşeanu 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.
  40. 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.
41. 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.
  42. 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.
  43. 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.
  44. 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.
  45. 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.
  46. 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.
  47. 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.
  48. 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.

49. 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 în extenso publicate în reviste Clarivate Analytics fara factor de impact - Core Collection**

1. Left ventricular noncompaction-a rare cause of triad: heart failure, ventricular arrhythmias, and systemic embolic events: a case report, Toader D, Paraschiv A, Tudorascu P, Tudorascu D, Bataiosu C, **Balseanu A**, JOURNAL OF MEDICAL CASE REPORTS, Volume 15, Issue 1, Article Number 316, Published: 2021, WOS: WOS:000661663000001.
2. 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.
3. 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.
4. 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 în extenso publicate în volumele conferințelor (proceedings) conform Clarivate Analytics - Core Collection**

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 în extenso publicate în reviste cotate în baze de date internaționale - conform Pubmed - Medline**

1. Hip Joint Abnormalities During Midstance in Osteoarthritic Patients, Stătescu C, Gavrilă BI, Deaconu A, Trăistaru RM, **Bălșeanu TA**, CURRENT HEALTH SCIENCES JOURNAL, Volume: 47, Issue:3, Pages 361-366, Published: 2021.
2. Complexity of gait angle measurements at the ankle joint during midstance in patients with osteoarthritis, Stătescu C, Gavrilă BI, Deaconu A, Trăistaru RM, **Bălșeanu TA**, CURRENT HEALTH SCIENCES JOURNAL, Volume: 47, Issue:3, Pages 398-404, Published: 2021.
3. 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.
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. 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.
  6. 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**

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, Streba CT, Georgescu SL, Jigau M, Dinu MA, **Balseanu TA**, Dinescu VC, Catalin B, Osiac E, Annals of the University of Craiova - PHYSICS, Volume: 25, Pages 1-8, Published: 2015.
4. Etiology and Pathophysiology of Seizures, Epilepsy and Status Epilepticus after Stroke, Raluca V, **Balseanu A**, Mitu C, Dina C, Georgescu M, Iancu M, FIZIOLOGIA - PHYSIOLOGY, Volume: 22, Issue: 3, Pages 36-40, Published: 2012.
5. Periodontal Disease and Glycemic Control in Patients with Diabetes, Dina CA, Dina R, Vladu I, Vintilescu R, Taisescu C, **Bălșeanu TA**, Iancu M, , FIZIOLOGIA - PHYSIOLOGY, Volume: 22, Issue: 2, Pages 33-36, Published: 2012.
6. Differences of EEG theta wave at fencers and volleyball professional players, Enescu-Bieru D, Calina ML, Gusti A, Kese A, Cosma G, Fortan C, Romanescu F, **Bălșeanu A**, MEDICINA SPORTIVA, Volume: 7, Issue: 4 supplement, Pages 778-782, Published: 2011.
7. The effects of continuous versus intermittent aerobic exercises on lipid profile and anthropometrical parameters at young with Metabolic Syndrome, Vasilescu M, **Bălșeanu TA**, Balașoiu M, Rusu L, Cosma G, Nanu C, MEDICINA SPORTIVA, Volume: 6, Issue: 1, Pages 1304-1310, Published: 2010.
8. Correlations between cardiovascular anthropometric and morphofunctional parameters at junior athletes, Dinu V, Calina MR, Rusu L, Avramescu ET, **Bălșeanu A**, MEDICINA SPORTIVA, Volume: 6, Issue: 3 supplement, Pages 454-458, Published: 2010.

9. Characteristics of the nervous motor conduction velocity at girls and boys athlete, Denisa EB, Calina ML, Dinu V, Cosma G, Fortan C, Catalin B, **Balșeanu TA**, MEDICINA SPORTIVA, Volume: 6, Issue: 3 supplement, Pages 492-497, Published: 2010.
10. Skeletal muscle fatigue - from the peripheral to the central mechanisms, Romanescu FM, Vasilescu M, Nestianu A, **Balseanu TA**, Motoc D, Catalin B, Nestianu V, MEDICINA SPORTIVA, Volume: 6, Issue: 2, Pages 1315- 1325, Published: 2010.
11. Regeneration of tissue function after cerebral ischemia in the aged rats: New therapeutic strategie, Buga AM, **Balseanu AT**, Popa-WagnerA, CLUJUL MEDICAL, Volume: 83, Issue: 1, Pages: 49-55, Published: 2010.
12. 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.

***Lucrări în rezumat publicate în volumele conferințelor (proceedings) conform Clarivate Analytics - Core Collection***

1. Apolipoprotein E4 a possible genetic risk factor for heart failure, Diaconu R, Liehn E, Ponomariov V, Streata I, Ioana M, **Balseanu TA**, Istratoaie O, Militaru C, Donoiu I, EUROPEAN JOURNAL OF HEART FAILURE, Volume 23, Pages: 313-314, Supplement 2, Special Issue SI, Meeting Abstract, IF 2020 = 15,534, Published SEP 2021, WOS:000722181400838.
2. 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.
3. 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.
4. Inhibiting aquaporin 4 modulates the perivascular drainage of amyloid A ss peptide in the brain, Pirici ND, Catalin B, **Balseanu TA**, 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.
5. 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, Dateş Glia, JUL 08-11, 2017, GLIA, Volume: 65, Pages: E477, Published: JUNE 2017.
6. 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.

***Sistem de identificare și profiluri pentru cercetători***

➤ **UEFISCDI ID (UEF-ID)**

U-1700-031Q-1457

➤ **Brainmap profile link**

<https://www.brainmap.ro/tudor-adrian-balseanu>

➤ **ResearchGate profile link**

[https://www.researchgate.net/profile/Adrian\\_Balseanu](https://www.researchgate.net/profile/Adrian_Balseanu)

➤ **Publons Author Identifier**

T-8118-2019

➤ **Scopus Author Identifier**

24778226400

➤ **Google Scholar/Academic profile link**

<https://scholar.google.com/citations?user=fpF6KeQAAAAJ&hl=ro>

➤ **ORCID identifier**

0000-0002-0047-3436

***Am publicat, de asemenea, 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:***

- *in sistemul ISI Web of Science (Clarivate Analytics) - 1080, indice h - 18*

- *in sistemul SCOPUS - 893, indice h - 18*

- *in reviste indexate in BDI (Google Scholar/Academic) - 1513, indice h - 21*

