

PERSONAL INFORMATION

Maria-Florina Bojin



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Sex Female | Date of birth 02/02/1976 | Nationality Romanian

WORK EXPERIENCE

- August 2015- present **Primary Physician in Laboratory Medicine**
 “Pius Brinzeu” Clinical County Emergency Hospital Timisoara, 156 Liviu Rebreanu Street, Timisoara 300723; OncoGen Centre – Centre for Gene and Cellular Therapies in the Treatment of Cancer; www.oncogen.ro

 - Coordinator of Flowcytometry Department and Molecular Biology Department; research activities in mesenchymal stem cells, cancer, tumour microenvironment, aging, Alzheimer disease, immunosenescence

Business or sector: Research and Medical services
Associate Professor
- June 2013- present **“Victor Babes” University of Medicine and Pharmacy Timisoara, Eftimie Murgu Square No. 2A, Timisoara 300041; Department of Functional Sciences – Immunology; www.umft.ro**

 - Specific teaching activities

Business or sector: Medical education
Lecturer
- October 2011- June 2013 **“Victor Babes” University of Medicine and Pharmacy Timisoara, Eftimie Murgu Square No. 2A, Timisoara 300041; Department of Functional Sciences – Physiology; www.umft.ro**

 - Specific teaching activities

Business or sector: Medical education
Assistant teaching professor
- March 2006- October 2011 **“Victor Babes” University of Medicine and Pharmacy Timisoara, Eftimie Murgu Square No. 2A, Timisoara 300041; Department of Functional Sciences – Physiology; www.umft.ro**

 - Specific teaching activities

Business or sector: Medical education

EDUCATION AND TRAINING

- December 2010- May 2013 **Post-doctoral certificate**
 “Victor Babes” University of Medicine and Pharmacy Timisoara, Eftimie Murgu Square No. 2A, Timisoara 300041, Romania

 - Cellular and molecular biotechnologies
- March 2006- March 2011 **Certificate of Specialist Physician in Laboratory Medicine**
 Romanian Health Ministry

 - Laboratory Medicine
- October 2004- June 2010 **PhD in Medical Sciences**
 Romanian Ministry of Health, “Victor Babes” University of Medicine and Pharmacy Timisoara, Eftimie Murgu Square No. 2A, Timisoara 300041, Romania

 - Research activities; 25th of June – public presentation of the doctoral thesis: “Investigations regarding the plastic capacity of mesenchymal stem cells”; Scientific coordinator: Prof. Virgil Paunescu, MD, PhD
- 1995- 2001 **Licence diploma of General Medicine**

“Victor Babes” University of Medicine and Pharmacy Timisoara, Eftimie Murgu Square No. 2A, Timisoara 300041, Romania

- General Medicine

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
French	B2	B2	B2	B2	B2

Levels: A1/2: Basic user- B1/2: Independent user- C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills

- Team spirit, good communication skills
- Good ability to adapt to multicultural environments, gained through the training stages and visits abroad

Organisational / managerial skills

- I have organized Romanian scientific events with international participation: Angiogenesis: present and future, 26-28 March, 2009, Timisoara; 41th National Conference of Immunology, 2011, 22-24 September, Timisoara with international participation; The 11th National Congress of the Romanian Society of Physiological Sciences, 10-12 May, 2012, Timisoara
- Leadership: currently leading a team of 8 people
- 2023 - Expert in Sustainable Development Diploma, Diploma No. 159/05.01.2024, Series S No. 0113798, issued by the Ministry of Labor and Social Solidarity and the Ministry of Education
- 2011- Certificate of Human Resources Inspector; Romanian Ministry of Labour, Family and Social Protection and Romanian Ministry of Education, Research and Innovation
- 2010- Certificate of Educator/Instructor; Romanian Ministry of Labour, Family and Equal Chances and Romanian Ministry of Education, Research and Youth
- 2008- Certificate of Project Manager; Romanian Ministry of Labour, Family and Equal Chances and Romanian Ministry of Education, Research and Youth

Job-related skills

- Graduation certificate- Prime Course for medical educators: Energising the teacher- student relationship, 2010
- Graduation certificate- Prime Course Medical teaching: new methods, 2007
- Summer School “Integrated Medical Curriculum – eMediqual Summer School 2012”, Cluj-Napoca, 17-21 September 2012
- Summer School „Clinical Skills”, Medical University of Vienna, Austria, 2011
- Training Course: “Transdifferentiation to Beta Cells”, Juvenile Diabetes Research Foundation, Center for Beta Cell Therapy in Diabetes, Gentofte, Denmark, 2008
- Training Course: “Strategies in directed differentiation of ES cells into mature cell types for therapy”, Juvenile Diabetes Research Foundation, Center for Beta Cell Therapy in Diabetes, University of Bath, UK, 2007
- Training Course: “Cell Programming to Beta Cells”, Juvenile Diabetes Research Foundation, Center for Beta Cell Therapy in Diabetes, Strasbourg, France, 2006
- “Cultivation of mesenchymal stem cells”, Stem Cell Biology research group of PD Dr. Reinhard Henschler at the Institute for Transfusion Medicine and Immunohaematology, Johann Wolfgang Goethe University, Frankfurt am Main, Germany, 2006
- Postgraduate training on implementation of European Quality System for Tissue Banking in Romania, Institutii Ortopedici Rizzoli – Banca del Tessuto, Bologna, Italy, 2007
- Summer school „Pathologie et Pharmacologie Moleculaires. Biotechnologies”, Arad, Romania, 2007
- Management of Medical and Pharmaceutical Research Projects, Timisoara 2005

Computer skills

- good command of Microsoft Office™ tools

Driving licence ▪ B

ADDITIONAL INFORMATION

A. Projects

International – coordinator of the medical team

- Cross-border cooperation to foster the resilience of clinical management in cancer patients by establishing best practices in personalized molecular-based diagnostics, treatment, and long-term care, RORS00040 – CROSSCARE (RO-SRB), 2024-2026

International – team member

- Romanian-Hungarian cross-border project with a wider focus on diagnostics related to infertility, healthy pregnancy and newborn care (ROHU-339) (2021-2023)
- Chimeric antigen receptor targeted oncoimmunotherapy with Natural Killer cells (CAR-NK) (2016-2020)
- Regenerating Bone defects using New biomedical Engineering approaches- REBORNE, No. FP7-241879 (2010-2015)

National – project director

- Novel biomarkers and therapeutic strategies in immunosenescence and Alzheimer disease-associated immunosenescence, PNII-Idei, Project No. 259/2011 (2011-2016)

National – partner responsible

- New pharmaceutical approaches for modulation of bioavailability in case of flavonoids with chemopreventive potential for malignant melanoma- FLAVOFROM, „Victor Babes” University of Medicine and Pharmacy Timisoara, PIII-C2_PCFI-2015-2016 (2015-2016)

National – coordinator of biomedical team

- Bioinformatic platform for early diagnostic of colorectal and bronchopulmonary cancers – PROMED. SMIS Code: 129400

National – team member

- Cell-penetrating peptides-containing systems as a potential platform for the use in breast and prostate cancer treatment – **CPPS Cancer**. UEFISCDI PN-III-P4-PCE-2021-0639 (2021-2024)
- Development of New Technologies, Drugs and Vaccines for Prevention of SARS-CoV-2 (DECODE) – 11Sol/2020 (2020-2021);
- Development of BIONanotechnologies based on Extracellular Vesicles, applied in early diagnostic, prognosis and therapy of atherosclerotic disease (BIOVEA) 83CCDI / 2018 (PN-III-P1-1.2-PCCDI-2017-0527) (2018-2021)
- 3D Bioprinting Techniques for Building Tissue Constructs that Mimic the Tumor Microenvironment (DeLIMIT) 100PED/2017 (2017-2018)
- Translating stem cell technologies to the conservation of highly endangered species, PNII-Partnerships No.120/2012 (2012-2016)
- Tumor-associated fibroblasts as novel target in anti-tumor therapy – identification of origin, role and characteristic molecular markers, PNII-Idei No. 318/2011 (2012-2016)

B. Honours and awards

- “First Prize” for important achievements in scientific activity of “Victor Babes” University of Medicine and Pharmacy Timisoara, 2013
- “Best Poster Award” at the Conference and Advanced Research Workshop “Sudden Cardiac Death & Cardioprotection”, 6-9 September 2012, Timisoara
- “Young Experienced Researchers” – XXVth Conference of Romanian Society of Physiological Sciences, Tg. Mures, 26-28 May, 2011
- “Grigore Ghyka” – Clinical Immunology prize for “Adipocytes-induced changes in tumor microenvironment and cancer cells behavior” poster presentation in Joint Meeting Immunology and Clinical Allergology, 2010
- “Best Presentation Award” at Bilateral Cooperation of Doctoral Schools Timisoara-Szeged a European Model for Setting up a Doctoral Program in the Medical Field, 2009

C. Memberships

- Federation of European Physiological Sciences
- Romanian Society of Physiological Sciences
- Romanian Society of Immunology
- European Association for Cancer Research

D. Books

1. Gherghiceanu M, Alexandru N, Magda SL, Constantin A, Nemezc M, Filippi A, Ioghen OC, Ceafalan LC, Bojin F, Tanko G, Paunescu V, Vinereanu D, Stepien E, Georgescu A. Part One: Extracellular Vesicles as Valuable Players in Diabetic cardiovascular Diseases. In Extracellular vesicles and Their Importance in Human Health, Ed. IntechOpen, 2019; DOI: 10.5772/intechopen.85225.
2. Ceafalan LC, Ioghen OC, Marta DC, Constantin A, Alexandru N, Nemezc M, Tanko G, Filippi A, Magda SL, Bojin F, Paunescu V, Vinereanu D, Georgescu A, Gherghiceanu M. Part Two: Extracellular

Vesicles as a Risk factor in Neurodegenerative Diseases. In Extracellular Vesicles and Their Importance in Human Health, Ed. IntechOpen, 2019; DOI: 10.5772/intechopen.85225.

3. Pros and cons on magnetic nanoparticles use in biomedicine and biotechnologies applications. In Nanoparticles' Promises and Risks-Characterization, Manipulation, and Potential Hazards to Humanity and the Environment. Bojin F, Paunescu V, Springer Ed. 2014, ISBN: 978-3-319-11728.
 4. Stem cells – an introductory overview, Gabriela Tanasie, Florina Bojin, Carmen Panaitescu, Virgil Paunescu. EUROBIT Ed., Timisoara 2011, ISBN 978-973-620-855-3
 5. Medical Physiology Compendium, Ioana Raluca Siska, Daciana Nistor, Carmen Tatu, Florina Mirea. Eurostampa Ed., Timisoara, 2005, ISBN: 973-687-369-2
 6. Adipocytes – “In vitro” differentiation models, Florina Bojin, Eurostampa Ed., Timisoara 2010, ISBN: 978-606-569-139-1 Elements of Physiologic Hematology, Carmen Tatu, Gabriela Tanasie, Daniela Puscasiu, Florina Bojin, Orizonturi Universitare Ed., 2010, ISBN: 978-973-638-455-4
- E. Courses
- Summer School “Integrated Medical Curriculum – eMediqual Summer School 2012”, Cluj-Napoca, 17-21 September 2012
 - Summer School „Clinical Skills”, Medical University of Vienna, Austria, 2011
 - Școala de vară francofonă „Pathologie et Pharmacologie Moleculaires. Biotechnologies”, Arad, Romania, 2007
 - Postgraduate training on implementation of European Quality System for Tissue Banking in Romania, Institutul Ortopedici Rizzoli – Banca del Tessuto, Bologna, Italy, 2007
 - Training Course: “Strategies in directed differentiation of ES cells into mature cell types for therapy”, Juvenile Diabetes Research Foundation, Center for Beta Cell Therapy in Diabetes, University of Bath, UK, 2007
 - Training Course: “Cell Programming to Beta Cells”, Juvenile Diabetes Research Foundation, Center for Beta Cell Therapy in Diabetes, Strasbourg, France, 2006
 - Cultivation of mesenchymal stem cells, Stem Cell Biology research group of PD Dr. Reinhard Henschler at the Institute for Transfusion Medicine and Immunohaematology, Johann Wolfgang Goethe University, Frankfurt am Main, Germany, 2006
- F. Patents
1. Rotaru F, **Bojin MF**, Gavriluc OI, Luca A. Method for using the t cell repertoire as a predictive and prognostic biomarker in cancer. Application RO2023050013W.2023-10-11; Publication RO2025080152A1.2025-04-17, Published as WO2025080152A1; Oficiul de Stat pentru Invenții și Mărci (OSIM), Direcția de brevete de invenție și informații tehnologice.
<https://worldwide.espacenet.com/patent/search?q=ap%3DRO2023050013W>
 2. Ordodi LV, Dumitrel GA, Pană AM, Todea A, Mățiu-Iovan L, Ionel RC, Săndesc D, Bedreag OH, Păpurică M, Rogobete AF, Simion I, Motica A, Groapă DS, Păunescu V, **Bojin MF**, Gavriluc OI. Device for Reducing the Microbiological Load of the Air Exhaled by Mechanically Ventilated Patients, no. A/00280/2020, from 22/05/2020. Application RO202000280A-2020-05-22; Publication RO134883A0-2021-04-29; Published as RO134883A0; RO134883A3; RO134883B1. Oficiul de Stat pentru Invenții și Mărci (OSIM), Direcția de brevete de invenție și informații tehnologice.
<https://worldwide.espacenet.com/patent/search/family/075617170/publication/RO134883A0>
 3. **Bojin MF**, Gavriluc OI, Tănăsie G, Țațu CA, Panaitescu C, Păunescu V, Nedeia CE. Bispecific Selective CAR-T Cells for Treating Solid Tumours and Method for Preparing the Same, no. A/00704/2020, data depozit 06/11/2020. Application RO202000704A-2020-11-06; Publication RO135040A0-2021-06-30; Published as RO135040A0. Oficiul de Stat pentru Invenții și Mărci (OSIM), Direcția de brevete de invenție și informații tehnologice;
<https://worldwide.espacenet.com/patent/search/family/076527547/publication/RO135040A0>
 4. Nedeia CE, Păunescu V, Gavriluc OI, Zogoreanu R, Ivan A, Cristea IM, Țațu CA, **Bojin MF**, Anghel SS. Cytotoxic Cells Carriers of Universal Chimeric Antigen Receptors Targeting Diverse and Multiple Antigens for Adoptive Therapy, no. A/00705/2020, data de depozit 06/11/2020. Application RO202000705A-2020-11-06; Publication RO135043A0-2021-06-30; Published as RO135043A0. Oficiul de Stat pentru Invenții și Mărci (OSIM), Direcția de brevete de invenție și informații tehnologice;
<https://worldwide.espacenet.com/patent/search/family/076527545/publication/RO135043A0>
 5. **Bojin MF**, Gavriluc OI, Ordodi VL, Salagean AO, Tirziu A, Panaitescu C, Paunescu V. Product and method Based on Synthetic Long Peptides for Preventing SARS-CoV-2 Infection. Application RO202200005A-2022-01-20; Publication RO135709A0-2020-05-30; Published as RO135709A0. Oficiul de Stat pentru Invenții și Mărci (OSIM), Direcția de brevete de invenție și informații tehnologice.
<https://worldwide.espacenet.com/patent/search/family/081751083/publication/RO135709A0>
 6. Gavriluc OI, **Bojin MF**, Hritcu EM, Tudor BAM, Mircu C, Huțu I. Instrument and method for isolating somatic cells from milk by centrifugation. Application RO202100600A-2021-09-30; Publication

RO135472A0-2022-01-28; Published as RO135472A0; Oficiul de Stat pentru Invenții și Mărci (OSIM), Direcția de brevete de invenție și informații tehnologice. <https://worldwide.espacenet.com/patent/search/family/079960993/publication/RO135472A0>

7. Ordodi LV, Vatau D, Salinschi M, Olariu AF, Dumitrel GA, Pana AM, Vaszilcsin N, Dan ML, Matiu-lovan L, Ionel RC, Udrea IA, Bonciog DD, Veres DA, Stanese CM, Paunescu V, **Bojin MF**, Gavrilic OI, Lukinich-Gruia AT, Negru S, Crisnic D, Frunza GV. Electrostatic device for measuring electrical voltage with optical indicator element. Application ROA202200635A; Published as RO137476A0. Oficiul de Stat pentru Invenții și Mărci (OSIM), Direcția de brevete de invenție și informații tehnologice. <https://worldwide.espacenet.com/patent/search/family/086469571/publication/RO137476A0>

G. Representative publications

1. Popoiu T-A, Cimpean AM, **Bojin F**, Cerbu S, Gug M-C, Pirvu C-A, Pantea S, Neagu A. Microengineered Breast Cancer Models: Shaping the Future of Personalized Oncology. *Cancers*, 2025; 17: 3160; DOI: 10.3390/cancers17193160
2. Goje ID, Goje GI, Ordodi VL, Ciobotaru VG, Ivan VS, Buzaș R, Tunea O, **Bojin F**, Lighezan DF. Doxorubicin-Induced Cardiotoxicity and the Emerging Role of SGLT2 Inhibitors: From Glycemic Control to Cardio-Oncology. *Pharmaceuticals*, 2025; 18: 681; DOI: 10.3390/ph18050681
3. Tirziu A, **Bojin MF**, Gavrilic OI, Buzan RM, Zbircea LE, Grijincu M, Paunescu V. Anti-Her2 CAR-NK92 Cells and Their Exosomes: Generation, Characterization, and selective Cytotoxicity against Her2-Positive tumor Cells. *International Journal of Molecular Sciences*, 2025; 26(15): 7648; DOI: 10.3390/ijms26157648
4. Zimbru RI, Grijincu M, Tănăsie G, Zimbru EL, **Bojin MF**, Buzan MR, Tamâi TP, Cotarcă MD, Harich OO, Pătrașcu R, Haidar L, Ciurariu E, Marin KC, Păunescu V, Panaitescu C. Breaking Barriers: The Detrimental Effects of Combined Ragweed and House Dust Mite Allergen Extract Exposure on the Bronchial Epithelium. *Appl. Sci.*, 2025; 15: 4113; DOI: 10.3390/app15084113
5. Tirziu A, Gavrilic O-I, **Bojin M-F**, Paunescu V. Exploring CAR-PBMCs: A novel strategy against EGFR-positive tumor cells. *Biomedicines* 2025; 13: 264; DOI: 10.3390/biomedicines13020264
6. Zimbru RI, Zimbru EL, Ordodi VL, **Bojin FM**, Crisnic D, Grijincu M, Mirica SN, Tanasie G, Georgescu M, Hutu I, Haidar L, Paunescu V, Panaitescu C. The Impact of High-Fructose Diet and Co-Sensitization to House Dust Mites and Ragweed Pollen on the Modulation of Airway Reactivity and Serum Biomarkers in Rats. *International Journal of Molecular Sciences*, 2024; 25(16): 8868; DOI: 10.3390/ijms25168868
7. Zimbru EL, Zimbru RI, Ordodi VL, **Bojin FM**, Crisnic D, Andor M, Mirica SN, Hutu I, Tanasie G, Haidar L, Nistor D, Velcean L, Paunescu V, Panaitescu C. Rosuvastatin attenuates vascular dysfunction induced by high-fructose diets and allergic asthma in rats. *Nutrients*, 2024; 16(23): 4104; DOI: 10.3390/nu16234104
8. Arjoca S, **Bojin F**, Neagu M, Paunescu A, Neagu A, Paunescu V. Hydrogel extrusion speed measurement for the optimization of bioprinting parameters. *Gels*. 2024; 10(2): 103; DOI: 10.3390/gels10020103
9. Zimbru RI, Zimbru EL, **Bojin MF**, Haidar L, Andor M, Harich OO, Tanasie G, Tatu C, Mailat DE, Zbîrcea IM, Hirtie B, Uta C, Bănărescu CF, Panaitescu C. Connecting the Dots: How MicroRNAs Link Asthma and Atherosclerosis. *International Journal of Molecular Sciences*, 2025; 26: 3570; DOI: 10.3390/ijms26083570
10. Habago SD, Ordodi V, **Bojin F**, Vesa SC, Moldovan V, Paunescu V, Ionescu D. Inhibitory effects of lidocaine on colon carcinoma progression in a rat model: a pilot study. *Br J Anaesth*. 2023; Sep 12:S0007-0912(23)00440-3; DOI: 10.1016/j.bja.2023.07.029
11. Harich OO, Gavrilic OI, Ordodi VL, Tirziu A, Paunescu V, Panaitescu C, **Bojin MF**. In Vitro Study of the Multimodal Effect of Na⁺/K⁺ ATPase Blocker Ouabain on the Tumor Microenvironment and Malignant Cells. *Biomedicines*, 2023; 11: 2205; DOI: 10.3390/biomedicines11082205
12. Constantin A, Comarita IK, Alexandru N, Filippi A, **Bojin F**, Gherghiceanu M, Vilcu A, Nemezc M, Niculescu LS, Paunescu V, Georgescu A. Stem cell-derived extracellular vesicles reduce the expression of molecules involved in cardiac hypertrophy-In a model of human-induced pluripotent stem cell-derived cardiomyocytes. *Frontiers in Pharmacology*, 2022; 13: 1003684; DOI: 10.3389/fphar.2022.1003684
13. Harich OO, Olteanu GE, Mihai IM, Benta M, Gavrilic OI, Paunescu V, **Bojin FM**. Unique Growth Pattern Presentation of a Papillary Renal Cell Carcinoma. *Diagnostics*, 2022; 12(8): 1904; DOI: 10.3390/diagnostics12081904
14. Barbulescu GI, Buica TP, Goje ID, **Bojin FM**, Ordodi VL, Olteanu GE, Heredea RE, Paunescu V. Optimization of Complete Rat Heart Decellularization Using Artificial Neural Networks. *Micromachines*, 2022; 13(1): 79; DOI: 10.3390/mi13010079

15. Barbulescu GI, **Bojin FM***, Ordodi VL, Goje ID, Barbulescu AS, Paunescu V. Decellularized Extracellular Matrix Scaffolds for Cardiovascular Tissue Engineering: Current Techniques and Challenges. *International Journal of Molecular Sciences*, 2022; 23(21): 13040; DOI: 10.3390/ijms232113040
16. Kis B, Pavel IZ, Avram S, Moaca EA, San Juan MH, Schwiebs A, Radeke HH, Muntean D, Diaconeasa Z, Minda D, Oprean C, **Bojin F**, Dehelean CA, Soica C, Danciu C. Antimicrobial activity, in vitro anticancer effect (MCF-7 breast cancer cell line), antiangiogenic and immunomodulatory potentials of *Populus nigra* L. buds extract. *BMC Complimentary Medicine and Therapies*, 2022; 22(1); DOI: 10.1186/s12906-022-03526-z
17. **Bojin F**, Robu A, Bejenariu MI, Ordodi V, Olteanu E, Cean A, Popescu R, Neagu M, Gavriluc O, Neagu A, Arjoca S, Paunescu V. 3D Bioprinting of model tissue that mimic the tumor microenvironment. *Micromachines*, 2021; 12: 535; DOI: 10.3390/mi12050535
18. Barbulescu GI, **Bojin FM***, Ordodi VL, Goje ID, Buica TP, Gavriluc OI, Baderca F, Hoinoiu T, Paunescu V. Innovative biotechnology for generation of cardiac tissue. *Applied Sciences*, 2021; 11: 5603. DOI: 10.3390/app11125603
19. **Bojin F**, Gavriluc O, Margineanu M, Paunescu V. Design of an Epitope-Based Synthetic Long Peptide Vaccine to Counteract the Novel China Coronavirus (2019 nCoV). *Preprints 2020*, 2020020102.
20. Ivan A, Lam D, Cristea MI, Telea A, Gruia AT, Oprean C, Margineanu F, **Bojin MF**, Saffery R, Paunescu V, Tatu CA. Differential methylation pattern of xenobiotic metabolizing genes and susceptibility to Balkan endemic nephropathy, in a cohort of Romanian patients. *J Nephrol.*, 2020; 33(1): 91-100; DOI: 10.1007/s40620-019-00621-2
21. Olteanu GE, Mihai IM, **Bojin F**, Gavriluc O, Paunescu V. The natural adaptive evolution of cancer: The metastatic ability of cancer cells. *Bosn J Basic Med Sci.*, 2020; 20(3): 303-309. DOI: 10.17305/bjbms.2019.4565
22. Kis B, Avram S, Pavel IZ, Lombrea A, Buda V, Dehelean CA, Soica C, Yerer MB, **Bojin F**, Folescu R, Danciu C. Recent advances regarding the phytochemical and therapeutic uses of *Populus nigra* L. buds. *Plants-Basel*, 2020; 9(11): 1464; DOI: 10.3390/plants9111464
23. Rusu D, Boariu M, Stratul SI, **Bojin F**, Paunescu V, Calniceanu H, Surlin P, Roman A, Milicescu S, Caruntu C, Didilescu A, Gaje NP, Calenic B. Interaction between a 3D collagen matrix used for periodontal soft tissue regeneration and T-lymphocytes: An in vitro pilot study. *Exp Ther Med*. 2019; 17(2):990-996; DOI: 10.3892/etm.2018.6979
24. Ghitu A, Schwiebs A, Radeke HH, avram S, Zupko I, Bor A, Pavel IZ, Dehelean CA, Oprean C, **Bojin F**, Farcas C, Soica C, Duicu O, Danciu C. A comprehensive assessment of Apigenin as an antiproliferative, proapoptotic, antiangiogenic and immunomodulatory phytocompound. *Nutrients*, 2019; 11(4): 858; DOI: 10.3390/nu11040858
25. Danciu C, Zupko I, Bor A, Schwiebs A, Radeke H, Hancianu M, Cioanca O, Alexa E, Oprean C, **Bojin F**, Soica C, Paunescu V, Dehelean CA. Botanical Therapeutics: Phytochemical Screening and Biological Assessment of Chamomile, Parsley and Celery Extracts against A375 Human Melanoma and Dendritic Cells. *Int J Mol Sci.*, 2018; 19(11): E3624; DOI: 10.3390/ijms19113624
26. Oprean C, Ivan A, **Bojin F**, Cristea M, Soica C, Drăghia L, Caunii A, Paunescu V, Tatu C. Selective in vitro anti-melanoma activity of ursolic and oleanolic acids. *Toxicol Mech Methods*, 2018;28(2): 148-156; DOI: 10.1080/15376516.2017.1373881
27. Danciu C, **Bojin F**, Ambrus R, Muntean D, Soica C, Paunescu V, Cristea M, Pinzaru I, Dehelean C. Physico-chemical and Biological Evaluation of Flavonols: Fisetin, Quercetin and Kaempferol Alone and Incorporated in beta Cyclodextrins. *Anti-Cancer Agents in Medicinal Chemistry*, 2017; 17(4): 615-626; DOI: 10.2174/1871520616666160621105306
28. Danciu C, **Bojin F**, Pinzaru I, Dehelean C, Ambrus R, Popescu A, Paunescu V, Hancianu M, Minda D, Soica C. Rutin and its cyclodextrin inclusion complexes: physico-chemical evaluation and in vitro activity on B164A5 murine melanoma cell line. *Current Pharmaceutical Biotechnology*, 2017; 18(13): 1067-1077; DOI: 10.2174/1389201019666180209165523
29. Tanasie G, **Bojin F**, Tatu RF, Sisu AM, Cristea M, Puscasiu DA, Nemes EA, Tatu CS. In vitro effects of biomaterials on mesenchymal stem cells viability and proliferation. *Materiale Plastice*, 2017; 54(3): 523-526
30. Oprean C, Zambori C, Borcan F, Soica C, Zupko I, Minorics R, **Bojin F**, Ambrus R, Muntean D, Danciu C, Pinzaru IA, Dehelean C, Paunescu V, Tanasie G. Anti-proliferative and antibacterial in vitro evaluation of the polyurethane nanostructures incorporating pentacyclic triterpenes. *Pharm Biol.*, 2016; 9: 1-9; DOI: 10.1080/13880209.2016.1180538
31. Anastasiu DM, Cean A, **Bojin MF**, Gluhovschi A, Panaitescu C, Paunescu V, Tănăsie G. Explants-isolated human placenta and umbilical cord cells share characteristics of both epithelial and mesenchymal stem cells. *Rom J Morphol Embryol*. 2016;57(2):383-90

32. Oprean C, Mioc M, Csányi E, Ambrus R, **Bojin F**, Tatu C, Cristea M, Ivan A, Danciu C, Dehelean C, Paunescu V, Soica C. Improvement of ursolic and oleanolic acids' antitumor activity by complexation with hydrophilic cyclodextrins. *Biomed Pharmacother.* 2016 Oct; 83:1095-1104; DOI: 10.1016/j.biopha.2016.08.030
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