

Curriculum vitae Europass



Informații personale

Nume / Prenume **BOSTAN MARINELA**
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 Naționalitate(-tăți) **Romana**
 Data nașterii **30 iulie 1966**
 Sex **F**

Experiența profesională

Perioada	1994 - 1997
Funcția sau postul ocupat	Asistent cercetare
Numele și adresa angajatorului	Institutul Victor Babeș, Dept Imunologie, București, Splaiul Independenței, nr.99 Sector 5, România
Tipul activității sau sectorul de activitate	Cercetare - Biochimie, Imunologie celulară Responsabilități: Culturi celulare, Activități proliferative și citotoxice ale limfocitelor, tehnici imunochimice - ELISA, electroforeză, imunoblotting
Perioada	1997 - 2000
Funcția sau postul ocupat	Biochimist
Tipul activității sau sectorul de activitate	Domenii de cercetare: Biochimia plantelor, Biologie celulară, Bio-Cosmetică Responsabilități: Analiza efectelor induse de extractele vegetale utilizate în industria cosmetică asupra funcțiilor celulare dezvoltate de limfocite, monocite sau neutrofile, fagocitozei, chemotaxiei și stresului oxidativ.
Numele și adresa angajatorului	Centrul de Cercetare a Plantelor, Calea Vitan, Nr. 112 Sector 3, Bucuresti, Romania
Perioada	2000 -in prezent
Funcția sau postul ocupat	Cercetator științific I (2023 - prezent); Cercetator științific III (2006—2023)
Tipul activității sau sectorul de activitate	Domenii de cercetare: autoimunitate, imunoterapie, imunologie tumorală și markeri tumoral.

Activități și responsabilități principale	a) proiectarea și promovarea activităților de cercetare, (b) crearea de modele experimentale pentru modularea proceselor apoptotice și ale ciclului celular pentru celulele tumorale, (c) implementarea tehnicii ELISA pentru determinarea cantitativă a proteinelor cu rol în procesele patologice, (d) participarea la proiecte naționale de cercetare. Tehnici implicate: cultura celulară, citometrie în flux, enzyme-linked immunosorbent assay (ELISA), western blot, polymerase chain reaction (PCR), real time (RT)-PCR, microscopie de fluorescență, izolare de DNA, RNA și proteine, imunocitochimie. Alte atribuții: instruirea studenților, tehnicienilor și management-ul laboratorului, realizarea de design experimental, analiza datelor, analiza statistică (basic) și utilizarea programelor de grafică.
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Numele și adresa angajatorului	Institutul de Virusologie „Stefan S. Nicolau”, Mihai Bravu Avenue, 285, București, Sector 3, 030304
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Educație și formare

Perioada	1996 – 2003
Calificarea / diploma obținută	2003 PhD cu titlu onorific „ <i>summa cum laude</i> ”
Disciplinele principale studiate / competențe profesionale dobândite	Biologie Moleculară și Celulară / Imunologie
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea București, Facultatea de Biologie, Departamentul Biochimie
Nivelul în clasificarea națională sau internațională	Postuniversitar
Perioada	Septembrie 1994 – Iulie 1995
Calificarea / diploma obținută	Studii aprofundate
Disciplinele principale studiate / competențe profesionale dobândite	Biologia moleculară și Genetică
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea din București, Facultatea de Biologie, Specializarea Biologie Moleculară și Biochimie
Nivelul în clasificarea națională sau internațională	Postuniversitar
Perioada	1989-1994
Calificarea / diploma obținută	Diploma de licență /
Disciplinele principale studiate / competente profesionale dobândite	Biochimie/ Biologie Medicală
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea din București, Facultatea de Biologie, Departamentul de Biochimie
Nivelul în clasificarea națională sau internațională	Universitar

Aptitudini și competențe personale

Competențe și aptitudini organizatorice	Managementul laboratorului, instruirea și supravegherea studenților și doctoranzilor. Capacitatea și abilitatea de a comunica și lucra în echipă și de a acoperi sarcini multiple. Rezistență la stres. Eficientă în realizarea de design experimental, analiza datelor, analiza statistică și utilizarea programelor de grafică. Capacitate de a comunica informațiile prin participare la congrese și conferințe naționale și internaționale (peste 100). Participare în echipa de cercetare în 36 de proiecte naționale și 3 proiecte internaționale.
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Limba(i) maternă(e) romana

Alte limbi străine cunoscute

	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Engleza	B2	B2	B2	B2	B2
Franceza	B1	B1	B1	B1	B1

Niveluri: A1/A2: Utilizator elementar - B1/B2: Utilizator independent - C1/C2: Utilizator experimentat
Cadru european comun de referință pentru limbi străine

Alte Membru al Societății Române de Imunologie din 1994 - în prezent,
Membru al Societății Române de Biochimie și Biologie Moleculară din 1996 - în prezent.
Membru al Societății Române de Citometrie din 2007 - în prezent

LISTA PUBLICAȚII

1. Carti și Capitoile

- Bostan M.**, Ion G, Mihaila M., Roman V., Constantin C., Neagu M.T. Oxidative stress player in head and neck cancer therapy response Head and Neck Cancers: An Interdisciplinary Approach, p.158-186, Nima Rezaei Editor, ISSN 2731-4561 ISSN 2731-457X (electronic) Interdisciplinary Cancer Research ISBN 978-3-031-80288-1 ISBN 978-3-031-80289-8 (eBook) <https://doi.org/10.1007/978-3-031-80289-8> # Springer Nature Switzerland AG **2024**
- M.G. Olteanu Zaharie, N. Radu, L. Pirvu, **M. Bostan**, M. Voicescu, M. Begea et al. "Studies Regarding the Pharmaceutical Potential of Derivative Products from Plantai", in volumul „New Insights in the Research of Bioactive Compounds from Plant Origin with Nutraceutical and Pharmaceutical Potential” pg 219-242; Printed edition of the Special Issue Published in „Plants”, 324 pg, MDPI, Basel, Switzerland. Editors Ivayla Dincheva, Ilian Badjakov, Bistra Galunska (**2023**)
- Marinela Bostan**, Georgiana Gabriela Petrica-Matei, Gabriela Ion, Nicoleta Radu, Mirela Mihaila, Razvan Hainarosie, Lorelei Irina Brasoveanu, Viviana Roman, Carolina Constantin, Monica Teodora Neagu. Determination of Cisplatin effect on head and neck squamous cell carcinoma modulated by ERK1/2 protein kinases. Book chapter in *Current Practice in Medical Science Vol. 8*, 22 July **2022**, Page 163-191. Ed. B.P. International, **ISBN 978-93-5547-741-5 (Print); ISBN 978-93-5547-752-1 (eBook)**; <https://doi.org/10.9734/bpi/cpms/v8/3149A>
- Camelia Elena Stecoza, George Mihai Nitulescu, Constantin Draghici, Miron Teodor Caproiu, Octavian Tudorel Olaru, **Marinela Bostan** and Mirela Mihaila. Synthesis and Anticancer Evaluation of New 1,3,4-Oxadiazole Derivatives. *Anticancer Drugs* **2021**, Editors Mary J. Meegan Niamh M O'Boyle. Open Access ISBN 978-3-0365-4348-2 (Hbk); ISBN 978-3-0365-4347-5 (PDF). Pages: 594. May 2022. <https://doi.org/10.3390/books978-3-0365-4347-5>
- M. Bostan**, G. Ion, M. Mihaila, V. Roman, C. Constantin, M. T. Neagu. "Oxidative Stress Player in Head and Neck Cancer Therapy Response". Head and Neck and Neurological and Endocrine Cancers, vol. 5, book "Handbook of Cancer and Immunology", Interdisciplinary Cancer Research book series, Ed. Springer Nature, 1-35, October 2022, https://doi.org/10.1007/16833_2022_39
- Marinela Bostan**, Georgiana Gabriela Petrică-Matei, Răzvan Hainăroșie, Nicoleta Radu, Viviana Roman. Apoptosis and Autophagy Pathways, A New Therapy Approach in Head and Neck Cancer. SM Group Open Access eBooks -Head and Neck Cancer | www.smgebooks.com, pp.1-9, Published Date: November 03, **2017**
- Marinela Bostan**, Mirela Mihaila, Camelia Hotnog, Coralia Bleotu, Gabriela Anton, Viviana Roman, Lorelei I. Brasoveanu. Colorectal Cancer - from Pathogenesis to Treatment" by Luis Rodrigo, Chapter "Modulation of apoptosis in colon cancer cells by bioactive compounds", Ed. INTECH, Croatia, ISBN 978-953-51-4644-5, **2016**, <http://www.intechopen.com/books>
- Bostan M.**, Livescu A., Neagu M., Manda G., Chirilă M., Mazălu E., Bancu A. C., Popescu L.M., Interferences at the respiratory burst level between the signals delivered in vitro to human peripheral neutrophils via fMLP, complement and Fc receptors, Immunoregulation in Health and Disease, Experimental and Clinical Aspects, edited by M.L.Lukic, M. Colic, Marija Mostarica-Stojkovic and K. Cuperlovic, Academic Press, Section 4: Host reactivity to graft, tumor and infection, Chapter 41, p. 431-438, **1997**, **eBook ISBN: 9780080534572**

2. Articole publicate

2.1. Articole ISI (impact factor)

- Bostan, I.-S.; Gica, N.; Mihaila, M.; **Bostan, M.**; Radu, N.; Roman, V.; Dinu-Pirvu, C.-E.; Uivarosi, V. Mitochondrial Long Non-Coding RNAs in Gynecological Cancers: Pathogenic Signaling Pathways and Therapeutic Opportunities. *Curr. Issues Mol. Biol.* **2026**, *48*, 261. <https://doi.org/10.3390/cimb48030261>(corresponding author). IF=3;(Q3)
- Albulescu, A.; Fudulu, A.; Mihaila, M.A.; Iancu, I.; Plesa, A.; **Bostan, M.**; Botezatu, A.; Brasoveanu, L.I.; Hotnog, C.M. Epigenetic Remodeling in Thyroid Cancer: New Dimensions of Targeted Therapy Through lncRNA Modulation. *Curr. Issues Mol. Biol.* **2025**, *47*, 863. <https://doi.org/10.3390/cimb47100863>. IF=4.1;(Q3)
- Mihaila, M.; Badea, N.; Birliga, M.; **Bostan, M.**; Albu Kaya, M.G.; Lacatusu, I. Ginkgo Biloba and Green Tea Polyphenols Captured into Collagen-Lipid Nanocarriers: A Promising Synergistically Approach for Apoptosis Activation and Tumoral Cell Cycle Arrest. *Int. J. Mol. Sci.* **2025**, *26*, 9648. <https://doi.org/10.3390/ijms26199648>; IF=4.9;(Q1)

4. Bolovan, L.M.; Panait, M.E.; Mihaila, M.; Busca, A.; Stanciu, A.E.; **Bostan, M.**; Brasoveanu, L.I.; Hotnog, C.M. Modulation of the Therapeutic Resistance in SK-MEL 24 Human Melanoma Cells by Combined Treatments. *Appl. Sci.* **2025**, *15*, 10703. <https://doi.org/10.3390/app151910703>; IF=2.5;(Q2)
5. Hotnog, C. M., **Bostan, M.**, Anghelescu, M., Roman, V., Bleotu, C., Hainarosie, R., Voiosu, C., Marineata, S., Bostan, I.-S., Diaconu, C. C., & Mihaila, M. Long Non-Coding RNAs: Significant Drivers of Carcinogenesis Mechanisms in Head and Neck Squamous Cell Carcinoma. *Current Issues in Molecular Biology*, **2025**, *47*(9), 698. <https://doi.org/10.3390/cimb47090698> IF=3;(Q3) (corresponding author)
6. Neagu, A.I.; **Bostan, M.**; Ionescu, V.A.; Gheorghe, G.; Hotnog, C.M.; Roman, V.; Mihaila, M.; Diaconu, C.C.; Diaconu, C.C.; Stoica, S.I.; Ruta, S.M.; Bleotu, C. The Impact of the Microbiota on the Immune Response Modulation in Colorectal Cancer. *Biomolecules* **2025**, *15*, 1005. <https://doi.org/10.3390/biom15071005>, IF=4.8;(Q1) (corresponding author)
7. Albisoru, D.; Radu, N.; Senin, R.; Caramihai, M.D.; Begea, M.; Mulesa, O.; Roman, V.; **Bostan, M.** Considerations Regarding the Cytotoxicity of Certain Classes of Fungal Polyketides—Potential Raw Materials for Skincare Products for Healthy and Diseased Skin. *Pharmaceutics* **2025**, *17*, 759. <https://doi.org/10.3390/pharmaceutics17060759> IF=5.5 (Q1)
8. Ionescu, V.A.; Diaconu, C.C.; Gheorghe, G.; Mihai, M.-M.; Diaconu, C.C.; **Bostan, M.**; Bleotu, C. Gut Microbiota and Colorectal Cancer: A Balance Between Risk and Protection. *Int. J. Mol. Sci.* **2025**, *26*, 3733. <https://doi.org/10.3390/ijms26083733>; IF=4.9 (Q1)
9. Noditi, A.R.; Bostan, I.-S.; Scurtu, F.; Ionescu, D.; Mehedintu, A.M.; Petca, A.; Mehedintu, C.; **Bostan, M.**; Rotaru, A.M. Analysis of Biopsychosocial Impacts Associated with Endometriosis to Improve Patient Care. *J. Clin. Med.* **2025**, *14*, 2158. <https://doi.org/10.3390/jcm14072158>; IF=3.0 (Q1) (corresponding author)
10. Marilena-Gabriela Olteanu Zaharie, Nicoleta Radu, Narcisa Babeanu, **Marinela Bostan**. Studies regarding the cytotoxicity of a bioproduct based on polysaccharides derived from *Plantago* sp. *Scientific Papers. Series B. Horticulture* **2025**; Online ISSN 2286-1580, ISSN-L 2285-5653 IF=0.4,
11. Ioni, G.; **Bostan, M.**; Hardman, W.E.; Putt McFarland, M.; Bleotu, C.; Radu, N.; Diaconu, C.C.; Mihaila, M.; Caramihai, M.D.; Hotnog, C.M. Nutrients Lowering Obesity-Linked Chemokines Blamable for Metastasis. *Int. J. Mol. Sci.* **2025**, *26*, 2275. <https://doi.org/10.3390/ijms26052275> ; IF=4.9 (Q1) (corresponding author)
12. Marian, T.; Radu, N.; Voicescu, M.; Nistor, C.L.; Pirvu, L.C.; Mihaila, M.; **Bostan, M.** Preliminary Biological Assessments of Some Algae Basis Biomaterials. *J. Mar. Sci. Eng.* **2025**, *13*, 318. <https://doi.org/10.3390/jmse13020318>; IF=2.8 (Q2)
13. Albulescu, A.; Botezatu, A.; Fudulu, A.; Hotnog, C.M.; **Bostan, M.**; Mihailă, M.; Iancu, I.V.; Plesa, A.; Brasoveanu, L. Combined Effect of Conventional Chemotherapy with Epigenetic Modulators on Glioblastoma. *Genes* **2025**, *16*, 138. <https://doi.org/10.3390/genes16020138>; IF=2.8 (Q2)
14. Tincu, R.; Mihaila, M.; **Bostan, M.**; Istrati, D.; Badea, N.; Lacatusu, I. Hybrid Albumin Decorated Lipid-Nanocarrier Mediated Delivery of Polyphenol Rich *Sambucus nigra* L. in a Potential Multiple Antitumoural Therapy. *Int. J. Mol. Sci.* **2024**, *25*, 11206. <https://doi.org/10.3390/ijms252011206>
15. Fudulu, A.; **Bostan, M.**; Iancu, I.V.; Ples, a, A.; Albulescu, A.; Stoian, I.L.; Socolov, D.G.; Anton, G.; Botezatu, A. Assessing the Methylation Status of Two Potential Key Factors Involved in Cervical Oncogenesis. *Reports* **2024**, *7*, 71. <https://doi.org/10.3390/reports7030071> (corresponding author)
16. Bostan, I.-S.; Mihaila, M.; Roman, V.; Radu, N.; Neagu, M.T.; **Bostan, M.**; Mehedintu, C. Landscape of Endometrial Cancer: Molecular Mechanisms, Biomarkers, and Target Therapy. *Cancers* **2024**, *16*, 2027. <https://doi.org/10.3390/cancers16112027> (corresponding author)
17. Fudulu, A.; Diaconu, C.C.; Iancu, I.V.; Plesa, A.; Albulescu, A.; **Bostan, M.**; Socolov, D.G.; Stoian, I.L.; Balan, R.; Anton, G.; et al. Exploring the Role of E6 and E7 Oncoproteins in Cervical Oncogenesis through MBD2/3-NuRD Complex Chromatin Remodeling. *Genes* **2024**, *15*, 560. <https://doi.org/10.3390/genes15050560>
18. Viviana Roman, Mirela Mihaila, Nicoleta Radu,, Stefania Marineata, Carmen Cristina Diaconu and **Marinela Bostan**. Cell culture model evolution and its impact on improving therapy efficiency in lung cancer. *Cancers* **2023**, *15*(20), 4996; <https://doi.org/10.3390/cancers15204996>
19. Tincu, R.; Mihaila, M.; Bostan, M.; Teodorescu, F.; Istrati, D.; Badea, N.; Lacatusu, I. Novel Bovine Serum Albumin-Decorated–Nanostructured Lipid Carriers Able to Modulate Apoptosis and Cell-Cycle Response in Ovarian, Breast, and Colon Tumoral Cells. *Pharmaceutics* **2023**, *15*, 1125. <https://doi.org/10.3390/>
20. Stecoza, C.E., Nitulescu, G.M., Draghici, C.; Caproiu, M.T., Hanganu, A., Olaru, O.T., Mihai, D.P., **Bostan, M.**, Mihaila, M. Synthesis of 1,3,4 – Thiadiazole derivatives and their anticancer evaluation. *Int. J. Mol. Sci.* **2023**, *24*, x, IF=5.6
21. Verginica Schroder, Nicoleta Radu, Petruta Cornea, Oana Coman, Lucia Camelia Pirvu, Mohammed Shaymaa, Omar Mohammed, Amalia Stefaniu, Lucia Pintilie, **Marinela Bostan**, Mihai Dan Caramihai and Viviana Roman. Studies regarding the antimicrobial behavior of clotrimazole and limonene. *Antibiotics* **2022**, *11*, 1816. <https://doi.org/10.3390/antibiotics11121816> (corresponding author)
22. Narcisa Babeanu, Nicoleta Radu, Cristina-Emanuela Enascuta, Elvira Alexandrescu, Mihaela Ganciarov, Mohammed Shayma, Omar Mohammed, Ioana Raluca Suica-Bunghez, Raluca Senin, Magdalena Ursu and **Marinela Bostan**. Obtaining and Characterizing Composite Biomaterials of Animal Resources with Potential Applications in Regenerative Medicine. *Polymers* **2022**, *14*, 3544. <https://doi.org/10.3390/polym14173544>
23. Marilena- Gabriela Olteanu (Zaharie), Nicoleta Radu,*, Lucia Pirvu, **Marinela Bostan**, Mariana Voicescu, Mihaela Begea,*, Mariana Constantin, Catalina Voaides, Narcisa Babeanu and Viviana Roman. Studies Regarding the Pharmaceutical Potential of Derivative Products from Plantain. *Plants* **2022**, *11*, 1827. <https://doi.org/10.3390/plants11141827>.
24. **Marinela Bostan**, Mirela Mihaila, Georgiana Gabriela Petrica-Matei, Nicoleta Radu, Razvan Hainarosie, Cristian Dragos Stefanescu, Viviana Roman and Carmen Cristina Diaconu. Resveratrol Modulation of Apoptosis and Cell Cycle Response to Cisplatin in Head and Neck Cancer Cell Lines. *Int. J. Mol. Sci.* **2021**, *22*, 6322. <https://doi.org/10.3390/ijms22126322>.
25. Gabriela Ion, Juliana A Akinsete, Theodore R Witte, **Marinela Bostan**, W. Elaine Hardman. Maternal fish oil consumption has a negative impact on mammary gland tumorigenesis in C3(1) Tag mice offspring. *European Journal of Nutrition*, March 2021, pp1-11\$ <https://doi.org/10.1007/s00394-021-02546-8>, part of Springer Nature **2021**. (corresponding author)

26. Stecoza, C.E.; Nitulescu, G.M.; Draghici, C.; Caproiu, M.T.; Olaru, O.T.; **Bostan, M.** and Mihaila, M. Synthesis and Anticancer Evaluation of New 1,3,4-Oxadiazole Derivatives. *Pharmaceuticals* **2021**, *14*, 438.
27. Mirela Mihaila, Camelia Mia Hotnog, **Marinela Bostan**, Alexandra Cristina Munteanu, Ileana Adela Vacaroiu, Lorelei Irina Brasoveanu, and Valentina Uivarosi. Anticancer Activity of Some Ruthenium (III) Complexes with Quinolone Antibiotics: In Vitro Cytotoxicity, Cell Cycle Modulation, and Apoptosis-Inducing Properties in LoVo Colon Cancer Cell Line. *Appl. Sci.* **2021**, *11*, 8594. <https://doi.org/10.3390/app11188594>.
28. Daniel-Cristian Ioan, Ileana Rău, Mădălina Georgiana Albu Kaya, Nicoleta Radu, **Marinela Bostan**, Roxana Gabriela Zgărian, Grațela Teodora Tihan, Cristina-Elena Dinu-Pirvu, Alina Lupuliasa and Mihaela Violeta Ghica. Ciprofloxacin–Collagen-Based Materials with Potential Oral Surgical Applications. *Polymers*, **2020**, *12*, 1915; doi:10.3390/polym12091915.
29. Ana-Madalina Maciucă, Alexandra-Cristina Munteanu, Mirela Mihaila, Mihaela Badea 3, Rodica Olar, George Mihai Nitulescu, Cristian V. A. Munteanu, **Marinela Bostan** and Valentina Uivarosi. Rare-Earth Metal Complexes of the Antibacterial Drug Oxolinic Acid: Synthesis, Characterization, DNA/Protein Binding and Cytotoxicity Studies". *Molecules* **2020**, *25*, 5418; doi:10.3390/molecules25225418.
30. **Marinela Bostan**, Georgiana Gabriela Petrica-Matei, Nicoleta Radu, Razvan Hainarosie, Cristian Dragos Stefanescu, Carmen Cristina Diaconu and Viviana Roman. The Effect of Resveratrol or Curcumin on Head and Neck Cancer Cells Sensitivity to the Cytotoxic Effects of Cisplatin. *Nutrients* **2020**, *12*, 2596; doi:10.3390/nu12092596.
31. Iulia V. Iancu, Anca Botezatu, Adriana Plesa, Irina Huica, Alina Fudulu, Adrian Albulescu, **Marinela Bostan**, Mirela Mihaila, Camelia Grancea, Dana Manda, Ruxandra Dobrescu Susana V. Vladoiu, Gabriela Anton and Corin Virgil Badiu. Alterations of regulatory factors and DNA methylation pattern in thyroid cancer. *Cancer biomarkers: section A of Disease markers*, April 2020, DOI: 10.3233/CBM-190871.
32. Nicoleta Radu, Ana Aurelia Chirvase, Narcisa Babeanu, Ovidiu Popa, Petruta Cornea, Lucia Pirvu, **Marinela Bostan**, Alexandru Ciric, Endre Mathe, Elena Radu, Mihaela Doni, Mariana Constantin, Iulia Raut, Ana Maria Gurban, Mihaela Begea. Study Regarding the Potential Use of a SpentMicrobial Biomass in Fertilizer Manufacturing. *Agronomy* **2020**, *10*, 299; doi:10.3390/agronomy10020299; www.mdpi.com/journal/agronomy IF=2.259
33. Anca Botezatu, Iulia V. Iancu, Adriana Plesa, Dana Manda, Oana Popa, **Marinela Bostan**, Mirela Mihaila, Adrian Albulescu, Alina Fudulu, Susana V. Vladoiu, Irina Huica, Ruxandra Dobrescu, Gabriela Antona and Corin Badiu. Methylation of tumour suppressor genes associated with thyroid cancer *Cancer Biomarkers* **2019**, *25* 53–65 DOI 10.3233/CBM-182265; (2019) (IF = 2.392) all
34. **Marinela Bostan**, Georgiana Gabriela Petrică-Matei, Gabriela Ion, Nicoleta Radu, Mirela Mihailă, Răzvan Hainăroșie, Lorelei Irina Brașoveanu, Viviana Roman, Carolina Constantin and Monica Teodora Neagu. Cisplatin effect on head and neck squamous cell carcinoma cells is modulated by ERK1/2 protein kinases. *Experimental and Therapeutic medicine Journal*. DOI: 10.3892/etm.2019.8139; p.1-11. (IF = 1.448) AIS =0,3
35. Georgiana-Gabriela Matei Petrica, Viviana Roman, Mirela Mihaila Camelia, MiaHotnog, Lorelei Irina Brasoveanu **Marinela Bostan**. Role of p38-mitogen-activated protein kinase in modulation of response to therapy in FaDu human pharyngeal carcinoma cell line. *Rom Biotechnol Lett.* **2019**; *24*(1): 118-128 doi: 10.25083/rbl/24.1/118.128. (IF= 0.404).
36. Camelia Mia Hotnog, Mirela Mihaila1, Liliana Puiu, Anca Botezatu, Viviana Roman, Iulia Dana Popescu, **Marinela Bostan**, Lorelei Irina Brasoveanu. Modulation Of The Interplay Between p53, ICAM-1 and VEGF In Drug-Treated LoVo Colon Cancer Cells. *Rom Biotechnol Lett.* **2019**; *24*(2): 261-270. Doi: 10.25083/Rbl/24.2/261.270 (If= 0.404) (corresponding author)
37. Ciulu-Costinescu F, Podgoreanu P, Delcaru C; Simionescu A; Georgescu EF; **Bostan M**; Chifiriuc MC, Antimicrobial assay of a capsaicin - alpha-cyclodextrin inclusion complex against planktonic and adherent cells. *FARMACIA*, Volume: 67, Issue: 3,Pages: 496-503, DOI: 10.31925/farmacia.2019.3.18, Published: MAY-JUN 2019 IF=1.527
38. Ciocilteu MV, Podgoreanu P, Delcaru C, Chifiriuc MC, Manda CV, Bită A, Popescu M, Amzoiu E, Croitoru O, Bleotu C, **Bostan M**, Neamtu J. PLGA-gentamicin biocomposite materials with potential antimicrobial applications in orthopedics.*FARMACIA*, Vol: 67, Issue: 4,Pages: 580-586, DOI: 10.31925/farmacia.2019.4.4, Published: JUL-AUG 2019 IF=1.527
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Data: 17/07/2026

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