



Personal information

First name(s) / Surname(s) **BOSTAN MARINELA**

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Nationality Romanian

Date of birth 30 July 1966

Gender Female

**Desired employment /
Occupational field**

Research

Work experience

Dates October 1994 – April 1997

Occupation or position held **Assistant researcher**

Main activities and responsibilities Areas of research: Biochemistry, Cellular immunology
Responsibilities: Cell culture, Proliferative and cytotoxicity activities of lymphocytes, immunochemical techniques - ELISA, electrophoresis, immunoblotting

Name and address of employer Victor Babes Institute, Immunology Laboratory, Bucharest, no.99 Splaiul Independentei, Sector 5, Bucharest, Romania

Type of business or sector Basic research

Dates April 1997 – July 2000

Occupation or position held **Biochemist**

Main activities and responsibilities Areas of research: Biochemistry of Plants, Cellular biology
Responsibilities: Analysis the effects induced by vegetal extracts used in cosmetic industry on the cellular functions developed by lymphocytes, monocytes or neutrophils phagocytosis, chemotaxis, respiratory burst.

Name and address of employer Research Center of Plants, 112 Vitan Street, sector 3,, Bucharest, Romania

Type of business or sector Applied research

Dates September 2000 – present

Occupation or position held **Senior Researcher I** (2023—in present) (Researcher III 2006—2023)

Main activities and responsibilities Areas of research: autoimmunity, immunotherapy, tumor immunology, tumor markers.
Responsibilities: a) design and promote research activities, (b) creation of experimental models for the modulation of apoptotic and cell cycle process for tumor cells, (c) implementation of ELISA technique for quantitative determination of proteins with a role in pathological processes, (d) participation in national research projects.

Name and address of employer Stefan S. Nicolau Institute of Virology, 285 Mihai Bravu Avenue, Bucharest, Sector 3, Zip Code 030304, PO 77, PO Box 201, Romania

Type of business or sector	Research				
Dates	2019 - in present				
Occupation or position held	Researcher III 2019 - in present				
Main activities and responsibilities	Cell culture, Proliferative and cytotoxicity activities of lymphocytes, immunochemical techniques - ELISA, electrophoresis, immunoblotting, flow cytometry				
Name and address of employer	Victor Babes Institute, Immunology Laboratory, Bucharest, no.99 Splaiul Independentei, Sector 5, Bucharest, Romania				
Type of business or sector	Research				
Dates	2023				
Title of qualification awarded	Ph.D. in Biology (with honors: Cum Laude)				
Principal subjects/occupational skills covered	Biochemistry / Immunology / Molecular Biology				
Name and type of organisation providing education and training	University of Bucharest, Biology Faculty, Biochemistry Dept				
Level in national or international classification	PhD				
Dates	September 1994 – July 1995				
Title of qualification awarded	Master of Molecular Biology				
Principal subjects/occupational skills covered	Molecular Biology/ Genetics				
Name and type of organisation providing education and training	University of Bucharest, Biology Faculty – Biochemistry Dept., specialization Biochemistry and Molecular Biology				
Level in national or international classification	MSc				
Dates	September 1989 – July 1994				
Title of qualification awarded	Degree in Biology				
Principal subjects/occupational skills covered	Biochemistry / Medical Biology				
Name and type of organisation providing education and training	University of Bucharest, Biology Faculty – Biochemistry Dept., specialization Biochemistry and Molecular Biology				
Level in national or international classification	Biologist				
Personal skills and competences					
Mother tongue(s)	Romanian				
Other language(s)	English				
Self-assessment European level (*)	Understanding		Speaking		Writing
Language	Listening	Reading	Spoken interaction	Spoken production	
Language	Proficient user	Proficient user	Independent user	Proficient user	Proficient
	Basic user	Basic user	Basic user	Basic user	Basic user
<i>Skills and competences</i>	Excellent communication skills through participation in several meetings, workshops, oral presentations and poster at international conferences (70)				

Organisational skills and competences	<p>Proven leadership and project management skills in project and team management for national/international programs</p> <ul style="list-style-type: none"> ▪ leadership (I have been leading teams, working groups since 2006) ▪ project management (15 years of experience managing R&D projects) ▪ budgeting, progress evaluation and reporting ▪ author and co-author of several scientific publications, book chapters <p>Outstanding problem - solving skills Ability to effectively lead cross functional teams</p>
Technical skills and competences	<p>Cell culture; Proliferative and cytotoxicity activities of cells; Phagocytosis, chemotaxis and respiratory burst (ROS) tests; Immunochemical techniques - ELISA, electrophoresis, immunoblotting; Flow-cytometry methods - Cell surface markers, apoptosis and cell cycle analysis; Intracellular signal transduction techniques; Western Blot, RT-PCR.</p>
Other skills and competences	<p>Member of the Romanian Society of Immunology from 1994 - at present, Member of the Romanian Society of Biochemistry and Molecular Biology from 1996 – present. Member of the Romanian Society for Cytometry from 2007 – at present</p>
Annexes	Publications list

PUBLICATION LIST

1. Books and chapters:

1. **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 and Neurological and Endocrine Cancers*, vol. 5, book "Handbook of Cancer and Immunology" and "Interdisciplinary Cancer Research", Ed. Springer Nature, 2022.
2. **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>
3. 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>
4. **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
5. **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>
6. **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](https://doi.org/10.1007/978-1-4020-0534-7_41)
7. Marilena-Gabriela Olteanu Zaharie, Nicoleta Radu, Lucia Pirvu, **Marinela Bostan**, Mariana Voicescu and Mihaela Begea et al. Studies Regarding the Pharmaceutical Potential of Derivative Products from Plantai. *New Insights in the Research of_ BOOK Bioactive Compounds from Plant Origin with Nutraceutical and Pharmaceutical Potential.pdf* p 219-242; Editors Ivayla Dincheva Ilian Badjakov Bistra Galunska

2. Published articles

2.1. Articles ISI (impact factor)

1. 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*, 17476. <https://doi.org/10.3390/ijms242417476>
2. 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>
3. 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/](https://doi.org/10.3390/10.3390/)
4. 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> (autor corespondenta)
5. 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>
6. 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>.
7. **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>.
8. 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.
9. 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. *Pharmaceutics* **2021**, *14*, 438.
10. 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>.
11. Daniel-Cristian Ioan, Ileana Rău, Mădălina Georgiana Albu Kaya, Nicoleta Radu, **Marinela Bostan**, Roxana Gabriela Zgărian, Grațela Teodora Tihan, Cristina-Elena Dinu-Pîrvu, Alina Lupuliasa and Mihaela Violeta Ghica. Ciprofloxacin–Collagen-Based Materials with Potential Oral Surgical Applications. *Polymers*, **2020**, *12*, 1915; doi:10.3390/polym12091915.
12. Ana-Madalina Maciuca, 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.
13. **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.
14. Iulia V. Iancu, Anca Botezatu, Adriana Plesa, Irina Huica, Alina Fudulu, Adrian Albuiescu, **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.
15. 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 Spent Microbial Biomass in Fertilizer Manufacturing. *Agronomy* **2020**, *10*, 299; doi:10.3390/agronomy10020299; www.mdpi.com/journal/agronomy IF=2.259
16. Anca Botezatu, Iulia V. Iancu, Adriana Plesa, Dana Manda, Oana Popa, **Marinela Bostan**, Mirela Mihaila, Adrian Albuiescu, 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)
17. **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
18. Georgiana-Gabriela Matei Petrica, Viviana Roman, Mirela Mihaila Camelia, Mia Hotnog, 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).
19. Camelia Mia Hotnog, Mirela Mihaila, 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)
20. 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
21. 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

22. Monica Neagu, Carolina Constantin, **Marinela Bostan**, Constantin Caruntu, Simona Rebeca Ignat, Sorina Dinescu and Marieta Costache "Proteomics technologies "lens" for epithelial–mesenchymal transition process identification in oncology," *Analytical Cellular Pathology*. Volume **2019**, Article ID 3565970, 17 pages. <https://doi.org/10.1155/2019/3565970>. IF=1.788.
23. Viviana Roman, Nicoleta Radu, **Marinela Bostan**, Ovidiu Popa & Ciprian Antoniu Horatiu Tanasescu (**2019**) Effect of Melaleuca alternifolia bioproduct on acute monocytic leukemia cells line, *Molecular Crystals and Liquid Crystals*, 695:1, 29-36, DOI:10.1080/15421406.2020.1723903. ISSN: 1542-1406 (Print) 1563-5287 (Online) Journal homepage: <https://www.tandfonline.com/loi/gmcl20>.
24. **Marinela Bostan**, Nicoleta Radu, Narcisa Babeanu, Marinela Gabriela Zaharie & Ciprian Antoniu Horatiu Tanasescu (**2019**) Biological properties of a biomaterial obtained from Syzygium aromaticum, *Molecular Crystals and Liquid Crystals*, 695:1, 45-52, DOI:10.1080/15421406.2020.1723905. ISSN: 1542-1406 (Print) 1563-5287 (Online) Journal homepage: <https://www.tandfonline.com/loi/gmcl20>
25. Nicoleta Radu, Viviana Roman, **Marinela Bostan**, Mariana Voicescu & Ciprian Tanasescu (2017) Bioproduct obtained from probiotic microorganisms consortia-studies regarding the effects generated in vitro on two types of leukemic cell lines, *Molecular Crystals and Liquid Crystals*, 655:1, 275-286, DOI: 10.1080/15421406.2017.1362311. ISSN: 1542-1406 (Print), IF=0.571
26. Nicoleta Radu, Viviana Roman, **Marinela Bostan**, Mariana Voicescu & Ciprian Tanasescu (2017) Effects of biomaterials obtained from consortia of probiotic microorganism in submerged biosynthesis on THP1 cells line, *Molecular Crystals and Liquid Crystals*, 655:1, 255-265, DOI: 10.1080/15421406.2017.1362308. ISSN: 1542-1406 (Print) IF=0.571
27. Nicoleta Radu, Viviana Roman, **Marinela Bostan**, Elena Radu & Ciprian Tanasescu (2017) Influence of some spice food based bioproducts on human monocytic cells line type THP-1, *Molecular Crystals and Liquid Crystals*, 655:1, 114-123, DOI: 10.1080/15421406.2017.1361307. ISSN: 1542-1406 (Print) IF=0.571
28. Georgiana-Gabriela Matei Petrica, Florin Iordache, Razvan Hainarosie, **Marinela Bostan**. Characterization of the tumor cells from human head and neck cancer. *Rom J Morphol Embryol*, 57 (2 suppl):1-9, **2016**. (IF = 0.771).
29. Mirela Mihaila, **Marinela Bostan**, Dan Hotnog, Mariana Ferdes, Lorelei I. Brasoveanu, Real-time analysis of quercetin, resveratrol and/or doxorubicin effects in MCF-7 cells, *Romanian Biotechnological Letters*, vol. 18, Nr. 2, pg. 8106 – 8114, 2013. IF=0.404
30. Dan Hotnog, Mirela Mihaila, Anca Botezatu, Georgiana Gabriela Matei, Camelia Hotnog, Gabriela Anton, **Marinela Bostan**, Lorelei I. Brasoveanu, Genistein potentiates the apoptotic effect of 5-fluorouracyl in colon cancer cell lines, *Romanian Biotechnological Letters*, vol. 18, pg.255-265, Nr. 6, **2013**, IF=0.404
31. **M. Bostan**, C. Galatiuc, M. Hirt, M.C. Constantin, L.I. Brasoveanu, D. Iordachescu, Phospholipase A2 modulates respiratory burst developed by neutrophils in patients with reumatoid arthritis, *J. Cell. Molec. Med.*, 7 (1): pp 57-66, 2003 (IF= 4.302)
32. **M. Bostan**, L.I. Brasoveanu, A. Livescu, G. Manda, M. Neagu, D. Iordachescu, Effects of synovial fluid on the respiratory burst of granulocytes in rheumatoid arthritis, *J. Cell. Molec. Med.*, Vol.5, No.2, pp.188-194, 2001 (IF= 4.302)
33. Nechifor M. T., **Bostan M.**, Neagu M., Manda G., Dumitru I.F., The effect of thiol compounds on the respiratory burst in polymorphonuclear granulocytes., *Roum. Biotechnol. Lett.*, Vol.1, Nr.2, 83-90, 1996 IF=0.404

2.2 Published articles IN international circuit journals indexed in other international databases:

1. **Marinela Bostan**, Marius Ataman, Ioana Stefania Bostan & Coralia Bleotu (2020) Targets and assay types for COVID-19 diagnosis, *Journal of Immunoassay and Immunochemistry*, 41:6, 946-959, DOI: 10.1080/15321819.2020.1862866 Monica Neagu, **Marinela Bostan**, Carolina Constantin. Protein microarray technology: Assisting personalized medicine in oncology (Review) *World Academy Of Sciences Journal* 1: 113-124, 2019, DOI: 10.3892/wasj.2019.15
2. Camelia Hotnog, Mirela Mihaila, Marieta Panait, Georgiana Gabriela Petrica-Matei, Viviana Roman, Maria Iuliana Gruia, **Marinela Bostan**, Lorelei I. Brasoveanu, Resveratrol modulates oxidative stress as well as apoptosis in drug-treated SW1116 colon cancer cells. *Roum Arch Microbiol Immunol*. Vol. 76, Issue 1, pp. 41-49, January-March, 2017.
3. Dan Hotnog, Mirela Mihailă, Iulia Virginia Iancu, Georgiana Gabriela Matei, Camelia Hotnog, Gabriela Anton, **Marinela Bostan**, Lorelei I. Braşoveanu. Resveratrol modulates apoptosis in 5-fluorouracyl treated colon cancer cell lines, *Roum Arch Microbiol Immunol*. 2013, 72(4): 255-265.
4. **Bostan M.**, G.G. Matei, D.A. Manu , V. Theodor, L.I. Brasoveanu, Analysis of the effects after resveratrol treatment on cell cycle and apoptosis in tumor laryngeal cells, *Proceedings of the 2nd European Congress of Immunology*, Editors Reinhold E. SchmidtMEDIMOND, pp. 387-390, 2009. (ISBN:978-88-7587-523-7)
5. L.I. Brasoveanu, M. Hirt, G. Matei, **M. Bostan**, L. Puiu, Stimuli modulation of apoptosis and proliferation through cell cycle phases in colon cancer cell lines, *Proceedings of the 2nd European Congress of Immunology*, Editors Reinhold E. SchmidtMEDIMOND, pp. 127-130, 2009. (ISBN:978-88-7587-523-7)
6. Georgiana-Gabriela Matei, **Marinela Bostan**, D.A. Manu , Lorelei Irina Brasoveanu, Study of the effects induced by some natural agents on apoptotic process in cell cultures derived from primary tumors of the larynx, *Studies and researches of Virology*, Romanian Academy, vol.39, pg34-39, 2009
7. Bostan M., M. Hirt, G.G. Matei, Şt. Mărineaţă, L.I. Braşoveanu, The role of inflammatory factors in the regulation of neutrophil function in rheumatoid arthritis, *Studies and researches of Virology*, Romanian Academy, vol. 37 (1), pg. 41-49, 2007
8. Cecilia Galatiuc, Mirela Hirt, **Marinela Bostan**, The activating and inhibitory signals in regulating natural cytotoxic function, *Studies and researches of Virology*, Romanian Academy, vol. 37 (2), p.75-83, 2007
9. Hirt M., I. Baciuc, C. Galatiuc, **M. Bostan**, L.I. Brasoveanu, Characterization of human serum immunoglobulins using specific agents with different chemical modifications, *Studies and researches of Virology*, Romanian Academy, vol.2 (36), p. 121-132, 2006
10. Bostan M., S. Marineata, M. Hirt, L.I. Brasoveanu, Study of methotrexate combination - leflunomide using in rheumatoid arthritis *Studies and researches of Virology*, Romanian Academy, vol.1 (36), p. 35-45, 2006
11. Manda G., Neagu M., Livescu A., **Bostan M.**, Bancu A. C., Total depletion of extracellular calcium ions favors superoxide anion release by human normal peripheral granulocytes, *Journal of Medicine and Biochemistry*, 3(4), 333-341, 1999.
12. **Bostan M.**, M.C. Constantin, A. Nicolau, M. Hirt, C. Galatiuc, I. Matei, L.I. Brasoveanu, D. Iordachescu, Study of chemotactic activity developed by neutrophils from rheumatoid arthritis patients, *Rom. Arch. of Microbiol. and Immunol*. Vol 61, nr.4: pp 243-258, 2002
13. Manda G., Neagu M., Livescu A., **Bostan M.**, Chirilă M., Mazilu E., Bancu A.C., Popescu L.M., Functional interferences between CR3 and the receptors for N-formylated peptides regarding the respiratory burst of PMNs in vitro stimulated with zymosan particles and FMLP, *Rev. Roum. Biochim.*, 33 (3-4): 191-199, 1996.