

INFORMAȚII PERSONALE
Mihăilă (Hirt) Mirela Antonela


Locul de munca
 Poziția actuală

Institutul de Virusologie "Stefan S. Nicolau"
 Cercetator stiintific II

EXPERIENȚA PROFESIONALĂ

Perioada Funcția sau postul ocupat Activități și responsabilități principale	2022 - prezent Cercetator stiintific II Activități specifice de cercetator stiintific II. Participare la proiecte de cercetare nationale. Coordonare proiecte de cercetare și participare ca și colaborator in proiecte nationale și internationale. Domenii de cercetare: imunologie celulara și tumorală, imunoterapie, imunochimie, culturi celulare, biologie moleculara și celulara. Izolare acizi nucleic, RT-PCR. Transmiterea de semnale intracelulare, western-blotting.
Nume și adresa Angajator Tipul și sectorul de activitate	Institutul de Virusologie "Stefan S. Nicolau", Sos. Mihai Bravu, Nr. 285, Sector 3, cod 030304, Bucuresti, Romania, www.virology.ro Sectorul cercetare
Perioada Funcția sau postul ocupat	2022 – prezent Lector universitar
Activități și responsabilități principale Nume și adresa Angajator Tipul și sectorul de activitate	Activitate didactica curs și laborator; efectuarea de lucrari practice pentru disciplina Biochimie, coordonare lucrari de licenta Facultatea de Farmacie, Universitatea Titu Maiorescu, Bd. Gheorghe Sincai nr. 16, Bucuresti Invatamant superior
Perioada Funcția sau postul ocupat	2016 – 2022 Cadru didactic asociat (plata cu ora) Lector universitar
Activități și responsabilități principale Nume și adresa Angajator Tipul și sectorul de activitate	Activitate didactica de laborator; efectuarea de lucrari practice pentru disciplina Chimie analitica cantitativa; Analiza instrumentala și metode de separare Facultatea de Farmacie, Universitatea Titu Maiorescu, Bd. Gheorghe Sincai nr. 16, Bucuresti Invatamant superior
Perioada Funcția sau postul ocupat Activități și responsabilități principale	2006 - 2022 Cercetator stiintific III Activități specifice de cercetator stiintific III. Participare la proiecte de cercetare nationale. Domenii de cercetare: imunologie celulara și tumorală, imunoterapie, imunochimie, culturi celulare, biologie moleculara și celulara. Izolare acizi nucleic, RT-PCR. Transmiterea de semnale intracelulare, western-blotting.
Nume și adresa Angajator Tipul și sectorul de activitate	Institutul de Virusologie "Stefan S. Nicolau", Sos. Mihai Bravu, Nr. 285, Sector 3, cod 030304, Bucuresti, Romania, www.virology.ro Sectorul cercetare
Perioada Funcția sau postul ocupat Activități și responsabilități principale	1998 - 2006 Cercetator stiintific Activități specifice de cercetator. Participare la proiecte de cercetare nationale. Domenii de cercetare: imunologie tumorală, imunochimie. ELISA, microscopie de fluorescenta, culturi de celule primare, transmiterea de semnale induse pe celule NK.

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 Angajator Romania, www.virology.ro
 Tipul si sectorul de Sectorul cercetare
 activitate

Perioada 1995 - 1998
 Functia sau postul ocupat Asistent de cercetare
 Activitati si responsabilitati Activitati specifice de asistent de cercetare. Participare la proiecte de cercetare nationale. Domenii de
 principale cercetare: imunologie tumorală, imunochimie. Izolarea si identificarea populatiilor celulare din sangele
 periferic, analize structurale si functionale ale proprietatii citofile ale IgG umane, electroforeza.

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 Angajator Romania, www.virology.ro
 Tipul si sectorul de Sectorul cercetare
 activitate

Perioada 1991 - 1995
 Functia sau postul ocupat Asistent de cercetare cu studii medii
 Activitati si responsabilitati Activitati specifice de asistent de cercetare cu studii medii. Participare la proiecte de cercetare nationale.
 principale Domenii de cercetare: imunologie, imunochimie, purificare imunoglobuline

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 Angajator Romania, www.virology.ro
 Tipul si sectorul de Sectorul cercetare
 activitate

EDUCAȚIE ȘI FORMARE

Perioada 2013
 Calificarea / diploma obținută Studii postdoctorale
 Numele și tipul instituției de Postuniversitar - Universitatea Politehnica Bucuresti
 învățământ / furnizorului de formare

Perioada 1997 - 2005
 Calificarea / diploma obținută Diploma Doctor in stiinte exacte, specializarea chimie
 Disciplinele principale studiate / Biochimie/Biologie/Imunologie
 competențe profesionale dobândite
 Numele și tipul instituției de Universitatea Bucuresti - Facultatea de Chimie
 învățământ / furnizorului de formare

Perioada 1990 - 1995
 Calificarea / diploma obținută Diploma de licenta
 Disciplinele principale studiate / Biochimie
 competențe profesionale dobândite
 Numele și tipul instituției de Universitatea Bucuresti, Facultatea de Chimie, Specializarea Biochimie
 învățământ / furnizorului de formare
 Nivelul în clasificarea națională sau internațională Invatamant superior

COMPETENTE PERSONALE

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
Cadrul european comun de referință pentru limbi străine

Competențe de comunicare

Capacitatea de a comunica și de a lucra în spirit de echipă; capacitatea de adaptare în medii diferite; rezistența la stres; conștiință profesională
 Experiența în planificarea, organizarea și coordonarea activităților specifice domeniului de activitate.
 Abilități de comunicare prin participarea la întâlniri, ateliere, prezentări orale și postere la conferințe naționale și internaționale

Competențe organizaționale/manageriale

Spirit de echipă, atenție distributivă, capacitatea de conducere și organizare în echipe multidisciplinare în proiecte de cercetare, stabilitate emoțională, conceperea și executarea unor proiecte de cercetare

Competențe dobândite la locul de muncă

O bună cunoaștere a tehnicilor și protocoalelor folosite în cadrul experimentelor, seriozitate, perseverența, atenție distributivă. Conceperea și executarea unor proiecte de cercetare.

Competențe informatice

Utilizarea programelor digitale - Microsoft Office (Word, Excel și Power Point), programe de statistică și grafică (GraphPad, Origin pentru prelucrarea statistică a rezultatelor și redactarea unor lucrări științifice (capitole cărți, articole) O bună seriozitate, perseverența

Alte competențe

AUTOEVALUARE				
Procesarea informației	Comunicare	Creare de conținut	Securitate	Rezolvarea de probleme
Utilizator independent	Utilizator independent	Utilizator independent	Utilizator independent	Utilizator independent

Niveluri: Utilizator elementar - Utilizator independent - Utilizator experimentat

Competențele digitale - Grilă de auto-evaluare

- cunoștințe de editare foto
- softuri de chimie și biologie
- cunoștințe avansate de utilizare a Microsoft Office (Word, Excel și Power Point)
- programe de statistică și grafică (GraphPad, Origin)

Permis de conducere Categoria B

INFORMATII SUPLIMENTARE
Cursuri și workshopuri

- 2021 - Take Advantage of Luminex® xMAP® technology and MILLIPLEX® kits for Multiplex Biomarker Detection, Merck, Bucharest, Romania
 2021 - Precise, handheld cell counting with Scepter™ 3.0 Cell Counter from Merck, Merck, Bucharest, Romania
 2020 - Rethink Western blotting, Merck, Bucharest, Romania
 2020 - Antibody Voyages with Merck: What's New in Antibody Technology, Merck, Bucharest, Romania
 2020 - Sensitivity you can count on with Merck ELISA and SMC™ assays for protein biomarker detection, Merck, Bucharest, Romania
 2012 - Course "Trends in Molecular Biology: from real time PCR to molecular diagnostic", Bucharest, Romania
 2012 - BD Biosciences workshop "Multicolor Cytometry Road Show", Bucharest, Romania
 2011 - BD Biosciences Course "Multiparametric acquisition and analysis on digital flow-cytometer", Bucharest, Romania
 2011 - Miltenyi Biotec Course "MACS Workflow – cell separation from tissue to molecular applications", Bucharest, Romania
 2010 - Workshop "Welcome to a More Colorful World, Welcome to More Choice", Bucharest, Romania
 2009 - BD – Training DIVA6 and FACScantoII, Bucharest, Romania
 2009 - "Cell Culture Seminar", LGC Standard, Bucharest, Romania
 2008 - BD –Follow-up FACScanto II – Bucharest, Romania
 2002 - Postuniversitar Course „Atelier de Imunologie Fundamentala” organized by Romanian Society for Immunology (SNI) and Institute „I. Cantacuzino”, Bucharest, Romania
 2000 - ENII Conference 2000 "Molecular Regulation of Lymphocyte Behaviour", Les Embiez, France
 2000 - Course Internațional "John Humphrey International Course of Immunology on Self-Tolerance and Self-Tolerance and Self-Recognition", Sinaia, Romania

- 1998 The First International Meeting of the Romanian Society of Biochemistry and Molecular Biology Bucharest, Romania
- 1997 Course International FEBS - Membrane Transport Processes and Signal Transduction, Bucharest, Romania
- 1996 - Course International CEFOR - "Le course international de biochimie", Bucharest, Romania
- 1996 - Curs International CEFOR - "Le course international de immunologie", Iassy, Romania
- 1992 - EFIS "John Humphrey Course on Tumour Immunology", Iassy, Romania
- 1988 - Romanian Society for Immunology Fellowship - IUIS International Course "The Deviated Immune response", Poiana Brasov, Romania

AFILIERI Membra a unor asociații profesionale naționale și internaționale:
a) naționale

- 1992 - prezent, membru al Societății Române de Imunologie
- 1996 - prezent, membru al Societății Române de Biochimie și Biologie Moleculară
- 2004 - prezent, membru al Societății Române de Citometrie

b) internaționale

- 1992 - prezent, membru al European Federation of Immunology Societies (EFIS)
- 1998 - prezent, membru al Federation of European Biochemical Societies (FEBS)
- 2004 - prezent, membru al Balkan Association of Immunology Societies (BAIS)

ANEXA, LISTA LUCRARI Articole publicate, rezumate, brevete, proiecte, premii

Carti și capitole de carte

- Mariana Popescu, Gabriela Costache, **Antonela Mirela Mihaila**. Chimie analitică cantitativă - Note de curs și laborator. Editura Hamangiu: Editura Universității Titu Maiorescu, București, 978-606-27-2439-9, **2024**
- Mariana Popescu, Gabriela Costache, **Mirela Antonela Mihaila**. Metode instrumentale de analiză - Note de curs și laborator. Editura Universității „Titu Maiorescu”, București, Hamangiu, 978-606-27-2326-2, 978-606-767-114-8, **2023**
- 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**
- Mariana Popescu, **Mirela Antonela Mihaila**. Management farmaceutic - Baze teoretice, Editura Universității „Titu Maiorescu”, București, ISBN 978-606-767-097-4, **2022**
- Bostan M., Petrica-Matei G.G., Ion G., Radu N., **Mihaila M.**, Hainarosi R., Brasoveanu L.I., Roman V., Constantin C., Neagu M.T. 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, Ed. B.P. International, **2022**
- 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>
- 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>

Articole științifice cotate ISI ca autor principal

- 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. 24, x, **2023**.
- 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>, **autor de corespondență**.
- 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*, 15(20), 4996, **2023**, **autor de corespondență**.
- Mirela Mihaila**, Camelia Mia Hotnog, Marinela Bostan, Alexandra Cristina Munteanu, Ileana Adela Vacariu, Lorelei Irina Brasoveanu, 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.*, 11(18), 8594-8613, **2021**, doi.org/10.3390/app11188594.
- 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. *Pharmaceutics*, 14(5), 438-453, **2021**, DOI: 10.3390/ph14050438.
- Alexandra-Cristina Munteanu, Mihaela Georgiana Musat, **Mirela Mihaila**, Mihaela Badea, Rodica Olar, George Mihai Nitulescu, Lorelei Irina Brasoveanu, Valentina Uivarosi. New heteroleptic lanthanide complexes as multimodal drugs. Cytotoxicity studies, apoptosis, cell cycle analysis, DNA interactions and protein binding. *Applied Organometallic Chemistry*, 35(1), 1-22, **2021**,

- doi.org/10.1002/aoc.6062, **principal co-author**.
- Marinela Bostan, Georgiana Gabriela Petrica-Matei, Gabriela Ion, Nicoleta Radu, **Mirela Mihaila**, Razvan Hainarosie, Lorelei Irina Brasoveanu, Viviana Roman, Carolina Constantin, 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*, 18(6), 5041-5051, **2019**, doi: 10.3892/etm.2019.8139, **All the authors contributed equally**.
 - Botezatu Anca, Iancu Iulia V., Plesa Adriana, Manda Dana, Popa Oana, Bostan Marinela, **Mihaila Mirela**, Albulescu Adrian, Fudulu Alina, Vladoiu Susana V., Huica Irina, Dobrescu Ruxandra, Anton Gabriela, Badiu Corin. Methylation of tumour suppressor genes associated with thyroid cancer. *Cancer Biomarkers*, 25(1), 53-65, **2019**, doi: 10.3233/CBM-182265, **All the authors contributed equally**.
 - Georgiana Gabriela Petrica-Matei, 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. *Romanian Biotechnological Letters*, 24(1), 118-128, **2019**, doi: 10.25083/rbl/24.1/118.128, **coautor principal**.
 - 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. *Romanian Biotechnological Letters*, 24(2), 261-270, **2019**, doi: 10.25083/Rbl/24.2/261.270, **coautor principal**.
 - 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*, 18(2), 8106-8114, **2013**.

Articole stiintifice cotate ISI in calitate de coautor

- Radu, C.; Olteanu, A.A.; Aramă, C.C.; **Mihăilă, M.**; Uivaros, i, V. Investigating the Effect of Cyclodextrin Nanosponges and Cyclodextrin-Based Hydrophilic Polymers on the Chemical Pharmaceutical and Toxicological Profile of Al(III) and Ga(III) Complexes with 5-Hydroxyflavone. *Appl. Sci.* **2024**, 14, 5441, doi.org/10.3390/app14135441.
- Cocos, F.I.; Anuta, V.; Popa, L.; Ghica, M.V.; Nica, M.A.; **Mihăilă, M.**; Fierăscu, R.C.; Trică, B.; Nicolae, C.A.; Dinu-Pirvu, C.E. Development and Evaluation of Docetaxel-Loaded Nanostructured Lipid Carriers for Skin Cancer Therapy. *Pharmaceutics* **2024**, 16, 960. doi.org/10.3390/pharmaceutics16070960.
- 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, doi.org/10.3390/cancers16112027.
- T.A. Iordache, N. Badea, **M. Mihaila**, S. Crisan, A.L. Pop, I. Lacatusu. Polygonum cuspidatum Loaded Nanostructured Lipid Carriers for Dual Inhibition of TNF- α and IL-6 Cytokines and Free Radical Species. *Materials*, 16(9), 3492, **2023**.
- 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, doi.org/10.3390/cancers15204996.
- Ivan B.C., Barbuceanu S.F., Hotnog C.M., Olaru O.T., Anghel A.I., Ancuceanu R.V. **Mihaila M.A.**, Brasoveanu L.I., Shova S., Draghici C., et al. Synthesis, Characterization and Cytotoxic Evaluation of New Pyrrolo[1,2-b]pyridazines Obtained via Mesoionic Oxazolopyridazinones. *Int. J. Mol. Sci.*, 24, 11642, **2023**.
- A.M. Maciucă, A.C. Munteanu, **M. Mihaila**, M. Badea, R. Olar, G. M. Nitulescu, C. V. A. Munteanu And V. Uivarosi. A Study on Repositioning Nalidixic Acid via Lanthanide Complexation: Synthesis, Characterization, Cytotoxicity and DNA/Protein Binding Studies. *Pharmaceutics*, 15(8), 1010, **2022**, doi.org/10.3390/ph15081010.
- B.C. Ivan, S.F. Barbuceanu, C.M. Hotnog, A. I. Anghel, R.V. Ancuceanu, **M. A. Mihaila**, L.I. Brasoveanu, S. Shova, C. Draghici, O.T. Olaru, G.M. Nitulescu, M. Dinu, F. Dumitrascu. New Pyrrole Derivatives as Promising Biological Agents: Design, Synthesis, Characterization, In Silico, and Cytotoxicity Evaluation. *Int. J. Mol. Sci.*, 23(16), 8854, **2022**, doi.org/10.3390/ijms23168854.
- Marinela Bostan, **Mirela Mihaila**, Georgiana Gabriela Petrica-Matei, Nicoleta Radu, Razvan Hainarosie, Cristian Dragos Stefanescu, Viviana Roman, Carmen Cristina Diaconu. Resveratrol modulation of apoptosis and cell cycle response to cisplatin in head and neck cancer cell lines. *Int. J. Mol. Sci.*, 22(12), 6322-6342, **2021**, doi.org/10.3390/ijms22126322.
- Teodora-Alexandra Iordache, Nicoleta Badea, **Mirela Mihaila**, Simona Crisan, Anca Lucia Pop, Ioana Lacatusu. Challenges in coopted hydrophilic and lipophilic herbal bioactives in the same nanostructured carriers for effective bioavailability and anti-inflammatory action. *Nanomaterials*, 11(11), 3035-3053, **2021**, doi: 10.3390/nano11113035.
- Ioana Lacatusu, Teodora Alexandra Iordache, **Mirela Mihaila**, Dan Eduard Mihaiescu, Anca Lucia Pop, Nicoleta Badea. Multifaced role of dual herbal principles loaded-lipid nanocarriers in providing high therapeutic efficacy. *Pharmaceutics*, 13(9), 1511-1534, **2021**, doi.org/10.3390/pharmaceutics13091511.
- Ana-Madalina Maciucă, Alexandra-Cristina Munteanu, **Mirela Mihaila**, Mihaela Badea, Rodica Olar, George Mihai Nitulescu, Cristian V. A. Munteanu, Marinela Bostan, Valentina Uivarosi. Rare-Earth Metal Complexes of the Antibacterial Drug Oxolinic Acid: Synthesis, Characterization, DNA/Protein Binding and Cytotoxicity Studies. *Molecules*, 25, 5418, **2020**, doi.org/10.3390/molecules25225418.
- Iancu Iulia V., Botezatu Anca, Plesa Adriana, Huica Irina, Fudulu Alina, Albulescu Adrian, Bostan Marinela, **Mihaila Mirela**, Grancea Camelia, Manda Dana Alice, Dobrescu Ruxandra, Vladoiu Susana Vilma, Anton Gabriela, Badiu Corin Virgil. Alterations of regulatory factors and DNA methylation pattern in thyroid cancer. *Cancer Biomarkers*, 28(2), 255-268, **2020**, doi: 10.3233/CBM-190871.
- I. Lacatusu, N. Badea, G. Badea, **M. Mihaila**, C. Ott, R. Stan, A. Meghea. Advanced bioactive lipid nanocarriers loaded with natural and synthetic anti-inflammatory actives. *Chemical Engineering Science*, 200, 113-126, **2019**, doi: 10.1016/j.ces.2019.01.044.
- Alexandra-Cristina Munteanu, Mihaela Badea, Rodica Olar, Luigi Silvestro, **Mirela Mihaila**, Lorelei Irina Brasoveanu, Mihaela Georgiana Musat, Adrian Andries, Valentina Uivarosi. Cytotoxicity studies, DNA interaction and protein binding of new Al (III), Ga (III) and In (III) complexes with 5-hydroxyflavone. *Applied Organometallic Chemistry*, 32(12), 17, **2018**, doi: 10.1002/aoc.4579.
- Gabriela Badea, Nicoleta Badea, Lorelei I. Brasoveanu, **Mirela Mihaila**, Raluca Stan, Daniela Istrati, Teodora Balaci, Ioana Lacatusu. Naringenin improves the sunscreen performance of vegetable nanocarriers. *New Journal of Chemistry*, 41, 480-492, **2017**, doi: 10.1039/C6NJ02318E.
- I. Lacatusu, N. Badea, G. Badea, O. Oprea, **M. A. Mihaila**, D. A. Kaya, R. Stan, A. Meghea. Lipid nanocarriers based on natural oils with high activity against oxygen free radicals and tumor cell proliferation. *Materials Science and Engineering*, 56, 88-94, **2015**, doi:

- 10.1016/J.MSEC.2015.06.019.
18. 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*, 18(6), 255-265, **2013**.
 19. G. Mota, I. Moldovan, A. Calugaru, **M. Hirt**, E. Kozma, C. Galatiuc, L. Brasoveanu, G. Boltz-Nitulescu. Interaction of human immunoglobulin G with CD16 on natural killer cells: ligand clearance, Fcγ3A turnover and effects of metalloproteinases on Fcγ3A-mediated binding, signal transduction and killing, *Scandinavian Journal of Immunology*, 59(3), 278-284, **2004**, doi: 10.1111/j.0300-9475.2004.01398.x.
 20. G. Mota, M. Manciu, E. Kozma, I. Popescu, **M. Hirt**, E. J. Jarolim, A. Calugaru, C. Galatiuc, T. Regalia, D. Tamandl, A. Spittler, G. Boltz-Nitulescu. Human NK cells express Fc receptors for IgA which mediate signal transduction and target cell killing. *European Journal of Immunology*, 33(8), 2197-2205, **2003**, doi: 10.1002/eji.200323534.
 21. 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 rheumatoid arthritis. *Journal of Cellular and Molecular Medicine*, 7(1), 57-66, **2003**, doi: 10.1111/j.1582-4934.2003.tb00203.x.

Articole *in extenso* in reviste BDI

1. Maria Monica Vasilescu, **Mirela Mihaila**, Camelia Mia Hotnog, Marieta Panait, Daniela Glavan, Iulia Dana Popescu, Maria Iuliana Gruia, Marinela Bostan, Lorelei Irina Brasoveanu. Role of topoisomerases during modulation of drug sensitivity in resistance-induced variants of MDA-MB-231 breast cancer cell line. *Romanian Biotechnological Letters*, doi: 10.26327/RBL2019.267, **2019**, *principal co-author*
2. Maria Monica Vasilescu, Camelia Mia Hotnog, Marieta Panait, Maria Iuliana Gruia, Marinela Bostan, **Mirela Mihaila**, Lorelei Irina Brasoveanu. Cross-resistance to Adriablastin and Topotecan in drug resistant HeLa cell sublines, *Romanian Biotechnological Letters*, doi: 10.26327/RBL2019.268, **2019**, *principal co-author*
3. Daniela Glavan, Camelia Mia Hotnog, Valentina Negoita, Maria Monica Vasilescu, Maria Iuliana Gruia, Lorelei Irina Brasoveanu, **Mirela Mihaila**. Drug modulation of soluble biomarkers and oxidative stress in LLC-WRC 256 cell line: role in cell proliferation and angiogenesis. *Romanian Biotechnological Letters*, doi: 10.26327/RBL2019.270, **2019**
4. Daniela Glavan, Camelia Mia Hotnog, Valentina Negoita, **Mirela Mihaila**, Lorelei Irina Brasoveanu, Maria Iuliana Gruia. Expression of soluble biomarkers associated to cell proliferation, angiogenesis and oxidative stress in rats bearing Walker tumors. *Romanian Biotechnological Letters*, doi: 10.26327/RBL2019.271, **2019**
5. 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.*, 76(1), 41-49, january-march, **2017**
6. Dan Hotnog, **Mirela Mihaila**, Iulia Virginia Iancu, Georgiana Gabriela Matei, Camelia Hotnog, Gabriela Anton, Marinela Bostan, Lorelei I. Brasoveanu. Resveratrol modulates apoptosis in 5-fluorouracyl treated colon cancer cell lines. *Roum. Arch. Microbiol. Immunol.*, 72(4), 255-265, **2013**
7. 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. Schmidt/MEDIMOND, 127-130, **2009**
8. M. Bostan, **M. Hirt**, G. G. Matei, St. Marineata, L. I. Brasoveanu. The role of inflammatory factors in the regulation of neutrophil function in rheumatoid arthritis. *Studies and researches of Virology, Romanian Academy*, 37(1), 41-49, **2007**
9. Cecilia Galatiuc, **Mirela Hirt**, Marinela Bostan. The activating and inhibitory signals in regulating natural cytotoxic function. *Studies and researches of Virology, Romanian Academy*, 37(2), 75-83, **2007**
10. **M. Hirt**, 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*, 2(36), 121-132, **2006**
11. M. Bostan, S. Marineata, **M. Hirt**, L. I. Brasoveanu. Study of methotrexate combination - leflunomide using in rheumatoid arthritis. *Studies and researches of Virology, Romanian Academy*, 1(36), 35-45, **2006**
12. M. Bostan, 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.*, 61(4), 243-258, **2002**

Rezumate publicate in volumele unor manifestari stiintifice sau jurnale (indexate Clarivate Analytics, cu/fara ISBN/ISSN, non-ISI)

1. M. Dumitru, **M. Mihaila**, C.M. Hotnog, M.E. Panait, M.M. Vasilescu, M.G. Hortopan, L.I. Brasoveanu. HER2 expression in primary bladder tumors and paired regional lymph nodes: Relationship to cell cycle profile. *Annals of Oncology*, 32(6), S1369-1370, **2021**, doi.org/10.1016/j.annonc.2021.08.2076
2. Mirela Dumitru, Maria Iuliana Gruia, Anca Botezatu, **Mirela Mihaila**, Camelia Mia Hotnog, M. Hortopan, Marieta Elena Panait, Gabriela Anton, Lorelei Irina Brasoveanu. HER2 Ile655Val polymorphism, EGFR expression and cellular proliferation in urinary bladder carcinomas. *Annals of Oncology*, 30 (7), **2019**, Conference: Molecular Analysis for Personalised Therapy Congress, London, UK, doi: 10.1093/annonc/mdz413.078
3. Lorelei Irina Brasoveanu, D. Hotnog, Camelia Mia Hotnog, Marinela Bostan, Georgiana Matei, Maria Iuliana Gruia, **Mirela Mihaila**. Immunomodulation induced by resveratrol or genistein on proliferation and apoptosis of tumour colon cells. *Journal for ImmunoTherapy of Cancer* (2):P13, **2014**
4. Dumitru M., Gruia M. I., Botezatu A., **Mihaila M.**, Hotnog C. M., Hortopan M., Anton G., Brasoveanu L. I.. HER2 genotypes and cell proliferative activity in urinary bladder carcinomas. *European Urology Supplements*, 13(7), 77, 2014, SEEM 2014 EAU 10th South Eastern European Meeting, Belgrade, Serbia, 24 - 26 oct. **2014**, doi: 10.1016/S1569-9056(14)61666-3
5. Lorelei I. Brasoveanu, D. Hotnog, Camelia Hotnog, Marinela Bostan, **Mirela Mihaila**. Modulation of genistein- and resveratrol-induced apoptosis and cell proliferation in colon cancer cells. *Eur. J. Cancer*, 48(5), S267-268, **2012**
6. Dumitru M., Gruia M.I., Hortopan M.G., Vasilescu M.M., **Mihaila M.**, Hotnog C.M., Brasoveanu L.I. HER2 gene amplification,

- phosphorylated-HER2, EGFR expression and DNA ploidy in urinary bladder carcinomas. *The FEBS Journal*, **2012**
7. Brasoveanu L.I., Hotnog C., **Mihaila M.**, Puiu L. Expression of cell adhesion molecules on MDR-1 positive stimuli treated breast tumour cells. *European Journal of Cancer, Supplement*, June, **2010**
 8. Brasoveanu L.I., **Mihaila M.**, Matei G., Predescu D., Gruia M.I., Anghel R. Biomarkers associated to human esophageal stem cell-like. *Journal of Stem Cells & Regenerative Medicine*, Jan., **2010**
 9. **Mihaila Mirela**, Hotnog Camelia, Theodor Valentin, Brasoveanu Lorelei Irina. Effect of stimuli treatment on cell signalling mechanisms associated to oral cancers. *Scandinavian Journal of Immunology*, **2010**
 10. **Mihaila Mirela**, Hotnog Camelia, Theodor Valentin, Brasoveanu Lorelei Irina. Effect of stimuli treatment on proliferation, apoptosis and cell signalling mechanisms associated to oral cancers, *European Journal of Cancer, Suppl.*, **2010**
 11. Hotnog Camelia, **Mihaila Mirela**, Brasoveanu Lorelei Irina. Gene expression analysis of tumour markers associated to apoptosis and proliferation in head and neck cancer. *European Journal of Cancer, Suppl.*, **2010**
 12. **M. Hirt**, D. Hotnog, C. Hotnog, L. Puiu, L.I. Brasoveanu. Effect of stimuli treatment on cell signalling mechanisms associated to colorectal cell lines. *Proceedings of the 2nd European Congress of Immunology*, Editors Reinhold E. SchmidtMEDIMOND, 391-395, **2010**
 13. 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, 127-130, **2010**
 14. Marinela Bostan, Georgiana Gabriela Matei, **Mirela Hirt**, Stefania Marineata, Lorelei Irina Brasoveanu, Modulation the Fc gamma receptors expression in rheumatoid arthritis by neutrophil degranulation proceses, *European Journal of Immunology*, Vol. 39, S 1: 473 Berlin, Germany, **2009**
 15. L.I. Brasoveanu, C. Hotnog, V. Roman, **M. Hirt**, M. Bostan, S. Cinca, L. Puiu. Effect of stimuli treatment on proliferation and apoptosis of tumor cells. *European Journal of Cancer, Suppl.*, July, **2008**, 20th Meeting of the European Association for Cancer Research, pp. 136 (poster 526), July 5-8, 2008, Lyon, France
 16. Brasoveanu Lorelei I., Anton Gabriela, **Hirt Mirela**, Stoian Mihai. Modulation by stimuli treatment of CAM expression, proliferation and apoptosis associated to cervix tumor cells. *Anticancer Research*, **2008**
 17. Ionescu MC, Matei G, **Hirt M**, Bostan M., et al. Correlation analysis between expression and functional roles of CAM on doxorubicin treated tumor cells. *FEBS JOURNAL Suppl.1*, Vol.274, p.264, JUL **2007**
 18. Bostan M., **M. Hirt**, G.G. Matei, S. Marineata, C. Galatiuc, L.I. Brasoveanu, Effect of neutrophil degranulation products on expression of Fc gamma receptors in rheumatoid arthritis, *Acta Biochimica Polonica*, vol. 54 Suppl. 2:10, **2007**
 19. **M. Hirt**, Bostan M., C. Galatiuc, L.I. Brasoveanu, Modified regulation of NK cell activity induced by IgG isolated from the diabetic patients, *Acta Biochimica Polonica*, vol. 54 Supplement 2:17, **2007**
 20. L.I. Brasoveanu, D. Simioana, D. Hotnog, **M. Hirt**, M. Bostan, M.C. Constantin, Involvement of complement regulatory proteins in tumor escape mechanisms, *Turk. J. Immunol.*: 9 (2) Supplement, pp. 84, **2004**
 21. Bostan M., M.C. Constantin, **M. Hirt**, C. Galatiuc, L.I. Brasoveanu. Study of chemotactic activities and superoxide anion release by neutrophils in rheumatoid arthritis. *Clinical Investigative Medicine*, 27(4), Th20.2, **2004**
 22. D. Gheorghe-Neata, M.C. Constantin, D. Hotnog, **M. Hirt**, M. Bostan, L.I. Brasoveanu, Mechanisms of tumor escape by complement regulatory proteins, *Clinical Investigative Medicine*, Vol. 27, No 4, Th53.229, **2004**
 23. Constantin M.C., Petrusca D.N., Bostan M., **Hirt, M.**, L.I. Brasoveanu, Analysis of ICAM-1 expression related to mRNA levels and different phases of cell cycle in human breast cancer, *Immunol. Lett.* vol. 87, no. 1-3, p. 214, **2003**
 24. Popescu I., **Hirt M.**, Calugaru A., Balu D., Manculea M., Metes D., Morel P., Herberman R., Sulica A. Cross-talk between Fc gamma RIIA, and Fc gamma RIIc an human natural killer cells. *European Journal of Cancer*, **1999**

Rezumat publicat în volumele unor manifestări științifice cu ISBN sau în jurnale sau ISSN (non-Clarivate Analytics)

1. **Mirela Mihăilă**, Marinela Bostan, Camelia Hotnog, Viviana Roman, Lorelei I. Brașoveanu, Valentina Uivarosî, Analysis of the antitumor activity of some metal complexes in different tumor cell lines. *Academician Nicolae Cajal Symposium*, Romanian Academy, 28 - 29 martie, **2024**, Bucuresti.
2. Camelia Elena Stecoza, Miron Teodor Căproiu, Constantin Drăghici, Marinela Bostan, Maria Coandă, Diana Camelia Nuță, **Mirela Mihăila**, Studies on the synthesis and in vitro antitumor activity of 2,5-disubstituted-1,3,4-thiadiazoles. *Congresul Național de Farmacie 2023 Ediția a XIX-a, Farmacia azi: de la tradiție la interdisciplinaritate și inteligență artificială*, 27 – 29 septembrie **2023**, Cluj Napoca.
3. Claudiu Radu, Valentina Anuța, **Mirela Mihăilă**, Cristina-Elena Dinu-Pîrvu, Valentina Uivarosi, Investigating the effect of liposomal inclusion on the in vitro anticancer activity of some new Al(III) and Ga(III) complexes with 5-hydroxyflavone. *Congresul Național de Farmacie 2023 Ediția a XIX-a, Farmacia azi: de la tradiție la interdisciplinaritate și inteligență artificială*, 27 – 29 septembrie **2023**, Cluj Napoca.
4. Madalina Maciucă (Iana), Alexandra-Cristina Cowell, **Mirela Mihaila**, Valentina Uivarosi, Synthesis and biological activity evaluation of some new lanthanide(III) complexes with difloxacin. *Congresul Național de Farmacie 2023 Ediția a XIX-a, Farmacia azi: de la tradiție la interdisciplinaritate și inteligență artificială*, 27 – 29 septembrie **2023**, Cluj Napoca.
5. **M. Mihaila**, M. Bostan, C. Hotnog, V. Roman, L. I. Brașoveanu, A.C. Munteanu, V. Uivarosî. Biological activity of the metal complexes in different tumor cell lines. 2nd Edition of the OncoHub Conference Connecting Scientists and Physicians for Next Generation Cancer Management, 21- 23 septembrie **2022**, Poiana Brasov.
6. **M. Mihaila**, M. Bostan, C. Hotnog, V. Roman, L.I. Brașoveanu, A.C. Munteanu, V. Uivarosî. Evaluation of anti-tumor activity of the metal complexes on colon and ovarian cancer cell lines. "Inovație și Multidisciplinaritate în Tratatamentul Cancerului" Al 33-lea Congres al Societății Române de Radioterapie și Oncologie Medicală și Congresul Societății Române de Radioterapie, Sinaia, 13 - 16 octombrie **2022**.

7. C.M. Hotnog, **M. A. Mihaila**, M. M. Vasilescu, G. Ion, M. Bostan, L.I. Brasoveanu. Modulation of molecules associated with resistance to therapy in human breast cancer cell lines with different TP53 mutational status. Al 33-lea Congres al Societății Române de Radioterapie și Oncologie Medicală și Congresul Societății Române de Radioterapie, Sinaia, 13 - 16 octombrie **2022**.
8. A. Botezatu, A. Fudulu, I.V. Iancu, M. Bostan, **M. Mihaila**, A. Albuiescu, C.C. Diaconu, G. Anton, A. Plesa. Assessment of HPV16 viral oncogenes role in genome-wide pattern deposition of MBD2/3 components of NuRD nucleosome remodeling complex” Congresul „The biochemistry global summit” 25th IUBMB, 46th FEBS and 15th PABMB 2022, Lisabon, Portugalia, 8-14 iulie **2022**.
9. Camelia Elena Stecoza, George Mihai Nitulescu, Constantin Draghici, Miron Teodor Caproiu, Octavian Tudorel Olaru, Marinela Bostan, **Mirela Mihaila**. New 1,3,4 - oxadiazole derivatives and their role in tumor processes. "7th International Electronic Conference on Medicinal Chemistry", 1–30 Nov **2021** online, DOI: 10.3390/ECMC2021-11475
10. Camelia Elena Stecoza, George Mihai Nitulescu, Constantin Draghici, Miron Teodor Caproiu, Diana Nuta, Marinela Bostan, **Mirela Mihaila**. Analysis of the antitumor capacity of some new 1,3,4-oxadiazole-based heterocycles. Congresul Universitatii de Medicina si Farmacie "Carol Davila", **2021**. Revista MÆDICA - a Journal of Clinical Medicine, ID239, pg. 9, Volume 16 Supplement 2021, ISSN: 2501-6903, ISSN-L: 2501-6903
11. Camelia Mia Hotnog, **Mirela Mihaila**, Marinela Bostan, Lorelei Irina Brasoveanu. Modulation of the cell adhesion profile associated to colon cancer cell lines by bioactive compounds. Oncolog-Hematolog anul XIII, 47 (2), 56, 2019. doi: 10.26416/OnHe.47.2.2019, Scientific Days of Oncology Institute Bucharest, 16-18 may **2019**, Bucharest, e-ISSN 2066-8260
12. Marinela Bostan, Georgiana Gabriela Petrica-Matei, Gabriela Ion, Viviana Roman, Nicoleta Radu, **Mirela Mihaila**, Razvan Hainarosie, Lorelei Irina Brasoveanu. The expression of ERBB-2 and P53 proteins in primary cell cultures obtained from the head and neck tumors. Oncolog-Hematolog anul XIII, 47 (2), 51, 2019 doi: 10.26416/OnHe.47.2.2019, Scientific Days of Oncology Institute Bucharest, 16-18 may **2019**, Bucharest, e-ISSN 2066-8260
13. Daniela Glavan, Maria Iuliana Gruia, Valentina Negoita, Camelia Mia Hotnog, **Mirela Mihaila**, Lorelei Irina Brasoveanu. Study on the role of proteinases during the development of Walker-256 carcinosarcoma in vivo and in vitro. Oncolog-Hematolog XIII, 47 (2), 55, 2019. doi: 10.26416/OnHe.47.2.2019, Scientific Days of Oncology Institute Bucharest, 16-18 may **2019**, Bucharest, e-ISSN 2066-8260
14. Mirela Dumitru, Monica Gratiela Hortopan, Monica Maria Vasilescu, **Mirela Mihaila**, Camelia Mia Hotnog, Lorelei Irina Brasoveanu, Marieta Elena Panait, Maria Iuliana Gruia. EGFR status and cellular proliferation in urinary bladder cancer. Oncolog-Hematolog XIII, 47 (2), 55, 2019. doi: 10.26416/OnHe.47.2.2019, Scientific Days of Oncology Institute Bucharest, 16-18 may **2019**, Bucharest, e-ISSN 2066-8260
15. Maria Monica Vasilescu, Maria Iuliana Gruia, Camelia Hotnog, **Mirela Mihaila**, Marinela Bostan, Marieta Elena Panait, Lorelei Irina Brasoveanu. Expression of topoisomerases as indicator of MCF-7 cells response to adriablastin treatment. Oncolog-Hematolog anul XIII, (2), 58, 2019. doi: 10.26416/OnHe.47.2.2019, Scientific Days Of Oncology Institute Bucharest, 16-18 may **2019**, Bucharest, e-ISSN 2066-8260
16. **Mirela Mihaila**, Camelia Hotnog, Marinela Bostan, Viviana Roman, Ion Gabriela, Lorelei I. Brasoveanu. Reversing resistance to chemo- and immunotherapy in T47-D breast cancer cell line. Oncolog-Hematolog anul XIII, 47 (2), 57, 2019, doi: 10.26416/OnHe.47.2.2019, Scientific Days Of Oncology Institute Bucharest, 16-18 may **2019**, Bucharest, e-ISSN 2066-8260
17. **Mirela Mihaila**, Camelia Hotnog, Viviana Roman, Marinela Bostan, Valentina Uivarosi, Lorelei I. Brasoveanu. Ruthenium (III) compounds as potential therapeutic agents in human colorectal cancer. Scientific Days of Oncology Institute Bucharest: "The Multidisciplinary Approach of the Oncological Patient", 17 - 19 mai 2018, Bucuresti, Oncolog-Hematolog anul XII, 43(2), 41, doi: 10.26416/OnHe.43.2.2018, **2018**, ISSN 2066-8716
18. Camelia Mia Hotnog, **Mirela Mihaila**, Marinela Bostan, Lorelei Irina Brasoveanu. Characterization of angiogenic profile in colon cancer cells with different p53 mutational status by microarray technique. Scientific Days of Oncology Institute Bucharest: "The Multidisciplinary Approach of the Oncological Patient", 17 - 19 mai 2018, Bucuresti, Oncolog-Hematolog anul XII, 43(2), 34, doi: 10.26416/OnHe.43.2.2018, **2018**, ISSN 2066-8716
19. Marinela Bostan, Georgiana Gabriela Petrica-Matei, Viviana Roman, **Mirela Mihaila**, Camelia Hotnog, Lorelei Irina Brasoveanu. Modulation of chemotherapy response by resveratrol in human pharynx tumor cells. Scientific Days of Oncology Institute Bucharest: "The Multidisciplinary Approach of the Oncological Patient", 17 - 19 mai 2018, Bucuresti, Oncolog-Hematolog anul XII, 43(2), 25, doi: 10.26416/OnHe.43.2.2018, **2018**, ISSN 2066-8716
20. Maria Monica Vasilescu, Maria Iuliana Gruia, Camelia Hotnog, **Mirela Mihaila**, Marieta Elena Panait, Lorelei Irina Brasoveanu. Evaluation of topoisomerase I and II status in human breast cancer cell lines. Oncolog-Hematolog anul XII, 43(2), 54, doi: 10.26416/OnHe.43.2.2018, **2018**, ISSN 2066-8716
21. **Mirela Mihaila**, Camelia Hotnog, Viviana Roman, Marinela Bostan, Valentina Uivarosi, Lorelei I. Brasoveanu. Novel ruthenium (III) complexes with co-solvents as potential anti-cancer agents in colon cancer therapy, pp. 82-83 (romana), 156-157 (engleza), A 47-a Conferinta Anuala de Imunologie (cu participare internationala), Bucuresti, 4 - 6 octombrie **2017**
22. Camelia Mia Hotnog, **Mirela Mihaila**, Anca Botezatu, Iulia Iancu, Liliana Puiu, Viviana Roman, Marinela Bostan, Lorelei Irina Brasoveanu, "Bioactive compounds differentially modulate molecules associated to apoptosis and cell adhesion in MCF-7 breast adenocarcinoma cell line", pp. 79-80 (romana), 153-154 (engleza), A 47-a Conferinta Anuala de Imunologie (cu participare internationala), Bucuresti, 4-6 octombrie **2017**
23. **Mirela Mihaila**, Camelia Hotnog, Marinela Bostan, Viviana Roman, Valentina Uivarosi, Lorelei Irina Brasoveanu. Biological effects of ruthenium (III) compounds associated to cyclodextrins on LoVo cells. A 46-a Conferinta Anuala de Imunologie, pp. 117-118, Bucuresti, 5 - 7 octombrie **2016**
24. Georgiana Gabriela Petrică-Matei, Viviana Roman, **Mirela Mihaila**, Camelia Hotnog, Lorelei Irina Brasoveanu, Marinela Bostan. Modulation of chemotherapy response by natural compounds in human pharynx tumor cells. A 46-a Conferinta Anuala de Imunologie cu participare internationala, Bucuresti, pp. 66-67, 5-7 octombrie **2016**
25. Camelia Hotnog, **Mirela Mihaila**, Marieta Panait, Marinela Bostan, Maria Iuliana Gruia, Lorelei Irina Brasoveanu. Future

- perspectives for adjuvant treatment of colon cancer: biomolecules of potential clinical use. A 46-a Conferinta Anuala de Imunologie cu participare internationala, Bucuresti, pp. 120-121, 5-7 octombrie **2016**
26. Camelia Hotnog, **Mirela Mihaila**, Georgiana G. Petrica-Matei, Viviana Roman, Marinela Bostan, Lorelei I. Brasoveanu. Cell signaling associated to apoptosis of HT29 human colon cells might be modulated by resveratrol. 4th International Conference on Resveratrol and Health, Taipei, Taiwan, 17-19 nov. **2016**
 27. Georgiana G. Petrica-Matei, Camelia Hotnog, **Mirela Mihaila**, Viviana Roman, Lorelei I. Brasoveanu, Marinela Bostan. Resveratrol-based combinatorial approach in head and neck cancer. 4th International Conference on Resveratrol and Health, Taipei, Taiwan, 17-19 nov. **2016**
 28. Marinela Bostan, Georgiana Gabriela Matei, Camelia Hotnog, **Mirela Mihaila**, Viviana Roman, Lorelei Irina Brasoveanu. Study of the role of Mitogen-Activated Protein Kinases activation in proliferation and apoptosis processes of the pharyngeal tumour cells. ECI2015 Abstract Book. pp. 198, 4th European Congress of Immunology (ECI), Vienna, Austria, 06 - 09 September **2015**
 29. **Mirela Mihaila**, Camelia Hotnog, Marinela Bostan, Viviana Roman, Valentina Uivarosi, Lorelei Irina Brasoveanu. Anti-proliferative activity of ruthenium (III) compounds on human colon tumor cell growth. ECI2015 Abstract Book. pp. 385, 4th European Congress of Immunology (ECI), Vienna, Austria, 06 - 09 September **2015**
 30. Camelia Hotnog, **Mirela Mihaila**, Marinela Bostan, Maria I. Gruia, Lorelei I. Brasoveanu. Effects of resveratrol treatment on angiogenic profile in human tumor breast cells. ECI2015 Abstract Book pp. 136, 4th European Congress of Immunology (ECI), Vienna, Austria, 06 - 09 September **2015**
 31. Lorelei I. Brasoveanu, Camelia Hotnog, Marinela Bostan, **Mirela Mihaila**. Novel therapeutic strategies in breast cancer using genistein and apigenin. ECI2015 Abstract Book pp. 371, 4th European Congress of Immunology (ECI), Vienna, Austria, 06 - 09 September **2015**
 32. Lorelei I. Brasoveanu, Camelia Hotnog, Marinela Bostan, **Mirela Mihaila**. Biomarkers in bio-immunotherapy of breast cancer. „Cancer Bio-Immunotherapy - XIth NIBIT Meeting”, 9-11 octombrie **2014**, Siena, Italia
 33. Camelia Hotnog, Marinela Bostan, **Mirela Mihaila**, Lorelei I. Brasoveanu. Prognostic and predictive biomarkers in colon cancer. 2nd International Molecular Immunology & Immunogenetics Congress, 27-30 aprilie **2014**, Antalya, Turcia
 34. **Mirela Mihaila**, Camelia Hotnog, Marinela Bostan, Georgiana G. Matei, Valentina Uivarosi, Lorelei I. Brasoveanu. Evaluation of antitumour activity and cytotoxicity induced of ruthenium (III) compounds on human tumor cell lines. A 44 a Conferinta Anuala de Imunologie, pp. 26, 02-04 octombrie **2014**, Bucuresti
 35. **Mirela A. Mihaila**, Marinela Bostan, Georgiana G. Matei, Valentina Uivarosi, Lorelei Irina Brasoveanu. Evaluation of anti-proliferative activity of ruthenium (III) compounds on human cancer cell lines using RTCA - xCELLigence System. Book of abstracts, pp. 934, Co-Editors Luciano Adorini, Massimo Locati, 15th International Congress of Immunology, Milan, Italy, 22 - 27 August **2013**
 36. Lorelei I. Brasoveanu, D. Hotnog, Iulia Iancu, Camelia Hotnog, Anca Botezatu, Marinela Bostan, **Mirela Mihaila**, Gabriela Anton. New therapeutic strategies using xCELLigence system in colon cancer. Book of abstracts, pp. 877, Co-Editors Luciano Adorini, Massimo Locati, 15th International Congress of Immunology, Milan, Italy, 22 - 27 August **2013**
 37. Marinela Bostan, **Mirela Mihaila**, Georgiana Gabriela Matei, Lorelei I. Brasoveanu. Modulation of cell cycle progression and apoptotic activity of Ganoderma lucidum in oral cancer cell lines. Book of abstracts, pp. 835, Co-Editors Luciano Adorini, Massimo Locati, 15th International Congress of Immunology, Milan, Italy, 22 - 27 August **2013**
 38. **Mirela Mihaila**, Camelia Hotnog, Marinela Bostan, Georgiana G. Matei, Valentina Uivarosi, Lorelei I. Brasoveanu. Evaluation of potential therapeutic role of Ruthenium (III) compounds in human cancer. A 43 a Conferinta Anuala de Imunologie, pp. 35, 28-30 Noiembrie **2013**, Bucuresti
 39. Georgiana Gabriela Matei, Marinela Bostan, Camelia Hotnog, **Mirela Mihaila**, Lorelei Irina Brasoveanu. Comparative study of anti-proliferative effects of some natural compounds on head and neck cancer cells. A 43 a Conferinta Anuala de Imunologie, pp. 34, 28-30 Noiembrie **2013**, Bucuresti
 40. Camelia Hotnog, Iulia Iancu, Dan Hotnog, Marinela Bostan, Georgiana G. Matei, **Mirela Mihaila**, Lorelei I. Brasoveanu. Effect of resveratrol vs. genistein treatment on modulation of gene expression associated to proliferation of tumor colon cells. A 43 a Conferinta Anuala de Imunologie, pp. 36, 28-30 Noiembrie **2013**, Bucuresti
 41. **Mirela Mihaila**, Dan Hotnog, Camelia Hotnog, Marinela Bostan, Mariana Ferdes, Lorelei I. Brasoveanu. Modulation of signal transduction pathways in breast cancer cells by natural compounds, pp. 49-50, 95-96, A 42-a Conferinta Anuala de Imunologie, Bucuresti, 27 - 29 septembrie **2012**
 42. Marinela Bostan, **Mirela Mihaila**, Camelia Hotnog, Georgiana Gabriela Matei, Lorelei Irina Brasoveanu. Ganoderma Lucidum suppress tumour cells proliferation and enhances their sensitivity to cisplatin treatment. pp. 43-44. The 42st Annual Conference of Immunology, Bucuresti, 27-29 sept. **2012**
 43. Lorelei Irina Braşoveanu, Dan Hotnog, Iulia Iancu, Camelia Hotnog, Anca Botezatu, Marinela Bostan, **Mirela Mihaila**. Model experimental pentru studiul modularii apoptozei si p53 in celulele tumorale de colon umane. Journal of Radiotherapy & Medical Oncology, Suppl. 18, pp.32, **2012**
 44. Marinela Bostan, **Mirela Mihaila**, Camelia Hotnog, Georgiana Gabriela Matei, Dan Hotnog, Lorelei Irina Brasoveanu. Studiul efectelor biologice induse de Ganoderma Lucidum asupra proliferarii celulelor tumorale. Journal of Radiotherapy & Medical Oncology, Suppl. 18, pp. 30, **2012**
 45. **Mirela Mihaila**, Marinela Bostan, Camelia Hotnog, Dan Hotnog, Lorelei Irina Brasoveanu. Evaluarea efectului antiproliferativ al unor noi compusi utilizand linii celulare umane tumorale. Journal of Radiotherapy & Medical Oncology, Suppl. 18, pp. 62, **2012**
 46. Marinela Bostan, Georgiana Gabriela Matei, **Mirela Mihaila**. Ganoderma lucidum increases the sensitivity to cisplatin in the treatment of pharynx cancer. Congress of the International Society for Advancement of Cytometry, XXVII, June 23 - 27, **2012**, Leipzig, Germany
 47. **Mirela Mihaila**, Camelia Hotnog, I. Dina, D. Hotnog, Lorelei I. Brasoveanu. Modulation of cell signalling mechanisms in colon cancer cells. The FEBS Journal, 278(1), pp. 362, 2011, Impact Factor: 4.237, 36th FEBS CONGRESS “Biochemistry for Tomorrow’s Medicine” Torino, Italy, June, **2011**
 48. Lorelei I. Brasoveanu, **Mirela Mihaila**, I. Dina, Camelia Hotnog, Gabriela Anton, Liliana Puiu. P53 and apoptosis could be

- modulated by natural compounds in colon cancer cells. *The FEBS Journal*, 278(1), pp. 344, 2011, Impact Factor: 4.237, 36th FEBS CONGRESS "Biochemistry for Tomorrow's Medicine" Torino, Italy, June, **2011**
49. **Mirela Mihaila**, Camelia Hotnog, Dan Hotnog, Lorelei Irina Brasoveanu. Treatments with drugs and/or natural compounds might modulate apoptosis and cell proliferation in colon cancer cells. *Fiziologia-Physiology, Suppl.*, pp. 51, A 41-a Conferinta Nationala de Imunologie, Timisoara, **2011**
 50. Camelia Hotnog, **Mirela Mihaila**, Dan Hotnog, Lorelei Irina Brasoveanu. Using the xCELLigence System to study effects of stimuli treatments on colon cancer cells: Modulation of CAM expression. *Fiziologia-Physiology, Suppl.*, pp. 42, A 41-a Conferinta Nationala de Imunologie, Timisoara, **2011**
 51. Lorelei Irina Brasoveanu, Camelia Hotnog, Dan Hotnog, Camelia Vrabie, Ion Dina, **Mirela Mihaila**. xCELLigence System: a powerful tool to study cell cytotoxicity in cancer cell lines. *Fiziologia-Physiology, Suppl.*, pp. 24, A 41-a Conferinta Nationala de Imunologie, Timisoara, **2011**
 52. L.I. Brasoveanu, Camelia Hotnog, I. Dina, **Mirela Mihaila**. Flow-cytometry analysis of modulated biomarkers involved in the proliferation and apoptosis of colon cancer cells. XXVI Congress of the International Society for Advancement of Cytometry (CYTO 2011), Baltimore, Maryland, USA, pp. 275, 21-25 mai **2011**
 53. L.I. Brasoveanu, **M. Mihaila**, D. Predescu, M.I. Gruia, R. Anghel. Characterization of Biomarkers associated to tumorigenicity in esophageal cancer cells. "Stem Cells in Development and Disease", Max-Delbruck Center (MDC), Berlin-Buch, Germania, pp. 203, 11-14 sept. **2011**
 54. Marinela Bostan, **Mirela Mihaila**, Dan Hotnog, Georgiana Gabriela Matei. Ganoderma lucidum inhibits proliferation and induces apoptosis in human pharynx carcinoma cells FaDu. *Fiziologia-Physiology, Supplem.*, pp. 42, A 41-a Conferinta Nationala de Imunologie, Timisoara, **2011**
 55. M. Bostan, G.G. Matei, **M. Mihaila**, D. Manu. Effects of trastuzumab treatment on ErbB2 expression, apoptosis and cell cycle changes in laryngeal cancer. 6th Meeting of Balkan Association of Immunological Societies (BAIS) and 40th Conference of Romanian Society of Immunology (SIR), pp. 26, abstract C12, **2010**, Sibiu
 56. Braşoveanu Lorelei Irina, **Hirt Mirela**, Matei Georgiana Gabriela, Hotnog Dan, Bostan Marinela. Modularea apoptozei si proliferarii prin fazele ciclului celular in liniile celulare de cancer de colon tratate cu citostatice si/sau compusi naturali. A 39-a Conferinta Anuala de Imunologie, Calimanesti - Caciulata, pp. 46, 24 - 26 septembrie **2009**
 57. **Hirt Mirela**, Hotnog Dan, Matei Georgiana Gabriela, Bostan Marinela, Puiu Liliana, Braşoveanu Lorelei Irina. Mecanisme de semnalizare celulara induse in linii celulare de cancer de colon tratate cu citostatice si/sau compusi naturali. A 39-a Conferinta Anuala de Imunologie, Calimanesti - Caciulata, pp. 39-40, 24 - 26 septembrie **2009**
 58. Marinela Bostan, Georgiana Gabriela Matei, **Mirela Hirt**, Stefania Marineata, Lorelei Irina Brasoveanu. Modulation the Fcγ receptors expression in rheumatoid arthritis by neutrophil degranulation proceses. *European Journal of Immunology*, 39(1): 473 Berlin, Germany, **2009**
 59. Bostan Marinela, **Mirela Hirt**, Georgiana Gabriela Matei, Cecilia Galatiuc, Stefania Marineata, Lorelei Irina Brasoveanu. Influence of activation of MAPkinases on neutrophils functions in rheumatoid arthritis. *Romanian archives of Microbiology and Immunology*, 67 - Nos. 3-4: 111, July-December **2008**
 60. Cecilia Galatiuc, **M. Hirt**, M. Bostan. Determinarea flowcitometrica a unor parametrii functionali si limfocitelor din sangele periferic uman. A 37-a Conferinta Nationala de Imunologie, pp.50, Iasi, 19-21 septembrie **2007**
 61. **Mirela Hirt**, C. Galatiuc, M. Bostan, G. Matei, L.I. Brasoveanu. Modificari functionale induse prin tratarea celulelor NK cu peptide sintetice si fragmente de IgG. A 37-a Conferinta Nationala de Imunologie, pp. 55-56., Iasi, 19-21 septembrie **2007**
 62. **M. Hirt**, Bostan M., C. Galatiuc, L.I. Brasoveanu. Modified regulation of NK cell activity induced by IgG isolated from the diabetic patients. *Acta Biochimica Polonica*, 54(2):17, **2007**
 63. Bostan M., **M. Hirt**, G.G. Matei, S. Marineata, C. Galatiuc, L.I. Brasoveanu. Effect of neutrophil degranulation products on expression of Fc gamma receptors in rheumatoid arthritis. *Acta Biochimica Polonica*, 54(2):10, **2007**
 64. Ionesti M.C., Matei G., **Hirt M.**, Bostan M., et al. Correlation analysis between expression and functional roles of CAM on doxorubicin treated tumor cells. *FEBS JOURNAL* 274(1), pp. 264, JUL **2007**
 65. M. Bostan, D. Petrusca, **M. Hirt**, D. Hotnog, V. Roman, C. Galatiuc, S. Marineata, L.I. Brasoveanu. Role of receptors in modulation of neutrophil functions in rheumatoid arthritis. 16th European Congress of Immunology, EFIS, September 6-9, 2006, Paris, France, pp. 363, **2006**
 66. **M. Hirt**, M. Bostan, D. Petrusca, L.I. Brasoveanu, C. Galatiuc. Signalling events initiated by triggering FcμR and FcαR on NK cells in adult healthy humans. 16th European Congress of Immunology, EFIS, September 6-9, 2006, Paris, France, pp. 68, **2006**
 67. C. Galatiuc, **Hirt M.**, Bostan M., Petrusca D.. Immunological and genotoxic investigations in adult healthy donors by non-radioactive methods. 16th European Congress of Immunology, EFIS, September 6-9, 2006, Paris, France, pp. 204, **2006**
 68. L.I. Brasoveanu, M.C. Constantin, M.D. Simioana, **M. Hirt**, M. Bostan, V. Roman, D. Hotnog, L. Puiu. Potentialul clinic al MAB terapeutici dezvoltati fata de tinte antigenice asociate cancerului. *Revista Romana de Oncologie*, pp. 50, **2006**
 69. Bostan M., M.C. Constantin, **M. Hirt**, C. Galatiuc, L.I. Brasoveanu. Study of chemotactic activities and superoxide anion release by neutrophils in rheumatoid arthritis. 12th International Congress of Immunology and 4th Annual Conference of FOCIS, July 18-23, **2004**, Montreal, Quebec, Canada
 70. L.I. Brasoveanu, D. Simioana, D. Hotnog, **M. Hirt**, M. Bostan, M.C. Constantin. Involvement of complement regulatory proteins in tumor escape mechanisms. *Turk. J. Immunol.*: 9 (2) Suppl., pp. 84, **2004**
 71. Bostan M., D. Petrusca, **M. Hirt**, M.C. Constantin, C. Galatiuc, L.I. Brasoveanu. Effect of neutrophil degranulation on Fcγ expression in rheumatoid arthritis. *Turkish J. Immunol.*:9 (2) Suppl., pp. 114, **2004**
 72. D. Gheorghe-Neata, M.C. Constantin, D. Hotnog, **M. Hirt**, M. Bostan, L.I. Brasoveanu. Mechanisms of tumor escape by complement regulatory proteins. *Clinical Investigative Medicine*, 27(4), Th53.229, **2004**
 73. Constantin M.C., Petrusca D.N., Bostan M., **Hirt M.**, L.I. Brasoveanu. Analysis of ICAM-1 expression related to mRNA levels and different phases of cell cycle in human breast cancer. *Immunol. Lett.* 87(1-3), pp. 214, **2003**
 74. Bostan M., M.C. Constantin, Adriana Nicolau, Cecilia Galatiuc, **Mirela Hirt**, I. Matei, L. I. Brasoveanu. Phospholipase A2 activation

- modulates the respiratory burst developed by neutrophils in rheumatoid arthritis. Autoimmunity and Autoimmune diseases, First Romanian Symposium with International Participation, Brasov, Romania, pp. 26, april 22-24, **2003**
75. Marinela Bostan, Mariana Claudia Constantin, Cecilia Galatiuc, **Mirela Hirt**, I Matei, L. I. Brasoveanu, Dana Iordachescu. Correlation between expression of FcγRs and secretory events in rheumatoid arthritis neutrophils. Romanian Archives of Microbiology and Immunology, 62(1-2), pp 9-10, **2003**
 76. Cecilia Galatiuc, **Mirela Hirt**, Iulia Popescu, Marinela Bostan, Valentina Mitran. Regulatory mechanisms mediated by mrmbrane receptors. Romanian Archives of Microbiology and Immunology, 62(1-2), pp 44-45, **2003**
 77. **Mirela Hirt**, I. Baci, Iulia Popescu, Marinela Bostan, Mariana Claudia Constantin, Lorelei I. Brasoveanu, Cecilia Galatiuc. Interaction of plgM with FcμR on NK cells mediate signal transduction. Romanian Archives of Microbiology and Immunology, 62(1-2), pp. 46, **2003**
 78. Daniela Gheorghe-Neata, Mariana Claudia Constantin, Dan Hotnog, **Mirela Hirt**, Marinela Bostan, L. I. Brasoveanu. Functional roles of cell adhesion molecules in cell-mediated lysis of breast cancer cells after stimuli treatment. Romanian Archives of Microbiology and Immunology, vol. 62, nr. 1-2, pp. 54-55, **2003**
 79. Mariana Claudia Constantin, Daniela Nicoleta Petrusca, Marinela Bostan, **Mirela Hirt**, Lorelei I. Brasoveanu. Membrane and gene expression levels of ICAM-1 during cell cycle progression in human breast cancer. Romanian Archives of Microbiology and Immunology, vol. 62, nr. 1-2, pp. 68-69, **2003**
 80. Bostan M., M.C. Constantin, **M. Hirt**, C. Galatiuc, L.I. Brasoveanu, D. Iordachescu. Study of chemotactic activities developed by neutrophils in rheumatoid arthritis. Sesiunea Stiintifica Anuala a SRBBM, Romania, 12 decembrie 2003, Romanian Journal of Biochemistry, vol. 40, **2003**
 81. **M. Hirt**, I. Baci, I. Popescu, M. Bostan, M.C. Constantin, L.I. Brasoveanu, C. Galatiuc. Intracellular signal transduction mediated by stimulation of NK cells FcμR with plgM. Sesiunea Stiintifica Anuala a SRBBM, Romanian Journal of Biochemistry, **2003**
 82. C. Galatiuc, **M. Hirt**, I. Popescu, M. Bostan. Agonic and antagonistic signals by Fcγ membrane receptors mediate regulatory mechanisms in NK cell. Sesiunea Stiintifica Anuala a SRBBM, Romania, 12 decembrie 2003, Romanian Journal of Biochemistry, 40, **2003**
 83. Marinela Bostan, Adriana Nicolau, Mariana Claudia Constantin, **Mirela Hirt**, Cecilia Galatiuc, Brasoveanu Lorelei I., I. Matei, Dana Iordachescu. Modulation of chemotactic activities developed by neutrophils in rheumatoid arthritis. Romanian Archives of Microbiology and Immunology, 61(1-2), pp. 43-44, **2002**
 84. Marinela Bostan, Mariana Claudia Constantin, Adriana Nicolau, Cecilia Galatiuc, **Mirela Hirt**, Brasoveanu L.I., I. Matei, Dana Iordachescu. Distinct phospholipase A2 regulates the superoxide anion production in rheumatoid arthritis neutrophils. Romanian Archives of Microbiology and Immunology, 61(1-2), pp. 45-46, **2002**
 85. L.I. Brasoveanu, M.C. Constantin, **M. Hirt**, M. Bostan, D. Petrusca. Cell adhesion molecules involved in tumor progression, Sesiunea Stiintifica Anuala a SRBBM, Romanian Journal of Biochemistry, **2002**
 86. C. Galatiuc, G. Mota, **M. Hirt**, M. Bostan, M.C. Constantin, M. Dorobantu, S. Diaconescu, A.M. Rosca, Lymphocyte functional analysis by non-radioactive methods, Sesiunea Stiintifica Anuala a SRBBM, Romanian Journal of Biochemistry, **2002**
 87. Lorelei Irina Brasoveanu, Marinela Bostan, M. Claudia Constantin, Oana Savu, V. Theodor, **Mirela Hirt**, M. Serban. Biochemical features and functional roles of C-regulatory protein CD59 (Protectin) in human cancer. Romanian Conference of Immunology and Allergology, Bucharest, Romania, 24 –26 october, pp. 78-79, **2001**
 88. **Mirela Hirt**, Teodor Regalia, Iulia Popescu, Elena Zmeu, Mioara Manciualea, Andrei Sulica. Activation of some tyrosine kinases induced by RFcγII or RFcγIII receptors on NK cells. Conferinta Nationala de Imunologie, Cluj, Rom. Arch. of Microbiol. and Immunol., 56(3-4), pp. 239, **1997**
 89. Iulia Popescu, Dan Cheta, Elena Zmeu, **Mirela Hirt**, O. Horer, Marilena Georgescu, Mioara Manciualea, Andrei Sulica. Effects of nonenzymatic glycosilation upon some functional properties of human immunoglobulin G molecules. Conferinta Nationala de Imunologie, Cluj, Rom. Arch. of Microbiol. and Immunol., 56(3-4), pp. 244, **1997**
 90. Gabriela Mota, Ana Calugaru, Mioara Manciualea, Ecaterina Kozma, Iulia Popescu, **Mirela Hirt**, Maria Dorobantu, Andrei Sulica. Study on the binding capacity of IgA on the surface of NK cells. Conferinta Nationala de Imunologie, Cluj, Rom. Arch. of Microbiol. and Immunol., 56(3-4), pp. 237, **1997**
 91. Dana C. Baiu, T. Regalia, **Mirela Hirt**, Andrei Sulica. Quantitative determination of the expression of Fc gamma RIIIa receptors on human natural killer cells by flow cytometry. Conferinta Nationala de Imunologie, Cluj, Rom. Arch. of Microbiol. and Immunol., 56(3-4), pp. 250, **1997**
 92. Mioara Manciualea, Dan Cheta, Marilena Georgescu, **Mirela Hirt**, Andrei Sulica, R.B. Herberman, I. Mincu. Modification of the capacity to regulate the activity of cells at IgG purified from diabetic sera. Lucrarile celei de-a XXIV-a Conferinta Nationale de Imunologie - dedicate Anului Pasteur, Bucuresti, **1995**

Brevete:

1. **Brevet OSIM nr. a2020 00446 / 27.07.2020:** Camelia Stecoza, Mihaila Mirela, Marinela Bostan. Derivati de 2-aryl(heteroaril)-5-[2-(fenilmetil)fenil]-1,3,4-oxadiazol, compozitie farmaceutica ce ii contine si utilizarea lor ca agenti antitumorali
2. **Brevet OSIM nr. A00944/29.11.2016:** Uivarosi V., Arama C.C., Barbuceanu S.F., Brasoveanu L.I., Mihaila M.A., Badea E.M., Olar R.M. Complecși de asociere hidroxipropil-b-ciclodextrina/compusi de ruteniu si utilizare terapeutica, aprobat in 2017

Proiecte de cercetare/dezvoltare pe baza de contract/grant (director grant/membru in echipa):

Contract / grant international / grant finantare europeana - membru in echipa de cercetare:

1. POC/AP 1/1.2.1/Proiect Tehnologic Inovativ/120906: "Realizarea unui supliment alimentar inovativ pentru sanatatea femeii la menopauza", coordonator AC HELCOR S.R.L., 2020 – 2023
2. Contract nr. 433/21.12.2012: "Modernizarea unui centru pentru studiul oncogenezei si al utilizarii oncolizei virale ca strategie terapeutica", coordonator Institutul de Virusologie "Stefan S. Nicolau", 2012 – 2015

3. Program COST 844: "Apoptosis and programmed cell death: molecular mechanism and application in biotechnology and agriculture", coordonator proiect Universitatea Bucuresti, 2000 – 2004
4. Contract CNCSIS 70% finantat de FMI: "Apoptoza ca factor de reglare a ciclului celular în carcinoamele renale si mamare umane", 1999 – 2002

Contract / grant national - director / responsabil proiect:

1. PN-III-P2-2.1-PED2019-5143, 383PED: "Dezvoltarea unor sisteme de nanoparticule antitumorale, bazate pe noi complexe metalice", director de proiect, 2020 – 2022
2. Program PCCA contract 136/2012 (Biotehnologie): "Conceperea si dezvoltarea unor sisteme de transport si cedare pentru noi compusi de ruteniu cu actiune antitumorală (RuSYST)", coordonator proiect UMF Bucuresti, responsabil proiect, 2012 – 2016
3. Grant al Academiei Romane: "Transmiterea de semnale intracelulare in urma stimulării receptorului Fc μ de pe suprafata celulelor NK", director proiect, 2003 – 2004

Contract / grant national - membru in echipa de cercetare:

1. PN-II-PT-PCCA-2013-4-1761: "Bio-produse dermato-cosmetice pe baza de uleiuri vegetale si fitocomplecsi cu actiune anti-acneica", coordonator proiect Universitatea Bucuresti, Facultatea de Chimie, 2013 – 2016
2. Program PCCA contract 135/2012: "Markeri moleculari ca predicatori ai evolutiei post-terapeutice in managementul evolutiei si prognozei carcinomului tiroidian diferentiat" (GENITIR), responsabil proiect IVN, 2012 – 2016
3. Proiect PNII 42-173: "Studiul imunogenomic al expresiei si rolului functional al unor molecule de adeziune celulara (CAM) asociate cancerului colorectal", director proiect IVN, 2008 – 2011
4. Program PNII contract 42/144 (Sanatate): „Identificarea si caracterizarea unei subpopulatii de celule cu proprietati de celule stem tumorale in hepatoame si cancer esofagiene si corelarea cu mecanismele de rezistenta la tratament”, director proiect IOB, 2008 – 2011
5. Program PNCDII contract 62078/2008: "Biomarkeri si agenti de chimiopreventie in limfoproliferarile cornice", director proiect IVN, 2008 – 2011
6. Program PNCDII contract nr. 41-084/2007 (Sanatate): "Utilizarea markerilor genetici pentru stabilirea unor terapii tinite, in cancerul orofaringian și laringian, la om", responsabil IVN, 2007 – 2010
7. Program CEEEX tip P-CD 182/2006, (profil Biomedical): "Studiul dinamicii de expresie a unor gene implicate in controlul ciclului celular si apoptoza, in evolutia cancerului de laringe si orofaringe, la om", responsabil IVN, 2006 – 2008
8. Program CEEEX contract 123/2006 (Biomedical): "Modularea expresiei unor markeri biologici ai progresiei tumorale si corelarea cu rezistenta la chimioterapie in cancerele mamare si ovariene", director proiect IVN, 2006 – 2008
9. Program CEEEX contract 77/2006 (Biomedical): "Studii la nivel celular si molecular privind activitatile biologice ale curcuminei in vederea evaluării potentialului terapeutic", director proiect Universitatea Bucuresti, Facultatea de Biologie, responsabil parteneriat IVN, 2006 – 2008
10. Program CEEEX contract 82/2006 (Biotehnologie): "Modularea apoptozei induse de micotoxine in linii celulare", director proiect IVN, 2006 – 2008
11. Grant CNCSIS Cod 865/2006 (tip A): "Noi tinte terapeutice in artrita reumatoida: Implicarea MAP kinazelor in reglarea functiilor leucocitelor polimorfonucleare", director proiect IVN, 2006 – 2008
12. Proiect CEEEX contract 26/2005: „Biomolecule radiomarcate pentru tratamentul tintit al cancerului si inhibarea angiogenezei”, Director proiect IFIN, responsabil parteneriat IVN, 2005 – 2008
13. Proiect CEEEX 6/2005 tip P-CD (profil Biomedical): "Determinari sanguine imunologice si genotoxice in vederea stabilirii valorilor statistic normale in populatia adulta din Romania", responsabil parteneriat IVN, 2005 – 2007
14. Grant CNCSIS (tip A): "Studiul modularii functiilor celulelor NK mediate de receptorii Fc γ prin concentratii mari de IgG", director proiect IVN, 2004 – 2006
15. PNCDI 179/2004 Viasan: "Modularea caili apoptotice de catre substante biologice active in terapia cancerului", director program dr. Viviana Roman, 2004 – 2006
16. Grant AR: CNCSIS (tip A): Studiul modularii functiilor celulelor NK mediate de receptorii Fc γ prin concentratii mari de IgG", director proiect IVN, 2004 – 2006
17. Program PNCDI BIOTECH: "Apoptoza in hepatocite si poluarea cu metale grele", director proiect IVN, 2004 – 2006
18. Program Viasan contract 235/2003: "Mecanisme celulare si moleculare implicate in rezistenta celulelor tumorale la imunoterapie", director proiect IVN, 2003 – 2005
19. Grant CNCSIS (tip AT): "Molecule de adeziune implicate in mecanisme moleculare si celulare ce contribuie la progresia tumorală", director proiect IVN, 2003 – 2005
20. PNCDI – Biotech: "Tehnici moderne utilizate in studiul mecanismelor celulare si moleculare implicate in progresia tumorală", director proiect IVN, 2003 – 2005
21. Grant al Academiei Romane: "Studiul efectelor factorilor sub- si supra-liminari in medierea functiilor celulelor NK prin implicarea receptorilor membranari", director proiect IVN, 2003 – 2004
22. Grant al Academiei Romane: "Modularea ciclului celular in limfoproliferarile cronice", director proiect IVN, 2003 – 2004
23. Program Biotech: "Tinte genetice in cancerul mamar", director dr. Liliana Puiu, Institutul Oncologic Bucuresti, responsabil parteneriat IVN, 2002 – 2005
24. Program Viasan contract 169/2002: "Cercetari privind implicarea unor molecule de adeziune, in corelatie cu markeri tumoralii si factori imunologici, in progresia tumorală si metastazarea cancerului mamar", 2002 – 2005
25. Grant al Academiei Romane: "Mecanisme celulare si moleculare implicate in rezistenta celulelor tumorale la actiunea complementului", director proiect IVN, 2001 – 2003
26. Consortiu Program Orizont 2000: "Studiul mecanismelor imunoreglatoare ale IgG pentru administrare intravenoasa (IVIG) la copii cu purpura trombocitopenica idiopatica (ITP)", director proiect IVN, 2000 – 2002

27. Grant ANSTI: "Studiul comparativ al protecției (CD59) celulare și solubile în diverse linii celulare tumorale", director proiect IVN, 1999 – 2000
28. Grant ANSTI tip C: "Evaluarea nivelurilor protecției solubile (sCD59) prin teste imunochimice și studiul rolului funcțional al sCD59 purificate în anumite tipuri de cancer uman", director proiect IVN, 1999 – 2001
29. Grant al Academiei Române: "Caracterizarea protecției (CD59) asociate membranei celulare și a formei sale solubile în cancerul mamar", director proiect IVN, 1998
30. Grant al Academiei Române: "Studiul rolului funcțional al formelor solubile ale CD59, CD55 și CD46, comparativ cu al formelor membranare, în liza complemento-mediata a celulelor tumorale mamare", director proiect IVN, 1998 – 2000
31. Grant al Academiei Române: "Studiul comparativ al rolului CD59, CD55 și CD46 în protejarea celulelor tumorale mamare față de acțiunea complementului omolog", director proiect IVN, 1999

Proiecte educative și de formare continuă:

1. POSDRU/89/1.5/S/52432: Școala postdoctorală de interes național "Biotehnologii aplicate cu impact în bioeconomia românească" (SPD-BIOTECH), 2012 - 2013
2. POSDRU/81/3.2/S/59616: Specializare pentru performanță, eficacitate și răspuns în domeniul transplantului de organe (SPER), 2010 – 2012
3. Proiect POSDRU/81/3.2/S/58819: Sistem de formare profesională a personalului medical în domeniul noilor tehnologii din sistemul de sănătate (Diagnostic molecular) -TDM, 2007 - 2013

Premii

1. B.C. Ivan, F. Dumitrascu, C. Draghici, C.M. Hotnog, **M.A. Mihaila**, L.I. Brasoveanu, S. Shova And S.F. Barbuceanu. Synthesis of some new pyridazines derivatives with potential antitumoral activity. Lucrare selectionată și premiată pentru prezentare orală. Congresul Universității de Medicină și Farmacie "Carol Davila" București, 10 - 12 nov. **2022**.
2. **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>. IF=2.679 (premiat UEFISCDI **2021**)
3. 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>. IF= 5.923 (articol premiat UEFISCDI **2021**)
4. Alexandra-Cristina Munteanu, **Mirela Mihaila**, Joseph Cowell, Gilles Gasser, Valentina Uivarosi. Osmium (II) octahedral complexes featuring orotic acid: anticancer activity and DNA/protein interaction studies. 1st OncoHub Conference, **2021**
5. 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. Pharmaceuticals, 14(5), 438-453, **2021**, DOI: 10.3390/ph14050438, IF = 5.215 (articol premiat UEFISCDI **2021**)
6. Alexandra-Cristina Munteanu, Mihaela Georgiana Musat, **Mirela Mihaila**, Mihaela Badea, Rodica Olar, George Mihai Nitulescu, Lorelei Irina Brasoveanu, Valentina Uivarosi. New heteroleptic lanthanide complexes as multimodal drugs. Cytotoxicity studies, apoptosis, cell cycle analysis, DNA interactions and protein binding. Applied Organometallic Chemistry, 35(1), 1-22, **2021**, doi.org/10.1002/aoc.6062, IF = 4.072 (articol premiat UEFISCDI **2021**)
7. Ana-Madalina Maciucă, Alexandra-Cristina Munteanu, **Mirela Mihaila**, Mihaela Badea, Rodica Olar, George Mihai Nitulescu, Cristian V. A. Munteanu, Marinela Bostan, Valentina Uivarosi. Rare-Earth Metal Complexes of the Antibacterial Drug Oxolinic Acid: Synthesis, Characterization, DNA/Protein Binding and Cytotoxicity Studies. Molecules, 25, 5418, **2020**, doi.org/10.3390/molecules25225418, IF = 4.927 (articol premiat UEFISCDI **2021**)
8. Marinela Bostan, Viviana Roman, Georgiana Gabriela Petrica Matei, Carmen Cristina Diaconu, **Mirela Mihaila**, Camelia Hotnog, Lorelei Irina Brasoveanu, Carolina Constantin, Monica Teodora Neagu. Efectul unor compuși naturali asupra răspunsului la chimioterapie în cancerul de cap și gat. A 4-a Conferința a Asociației de Imuno-Dermatologie și A 49-a Conferința de Imunologie din România, București, vol. rez. pp. 60, **2020**, premiul „Andrei Olinescu” pentru cel mai bun poster
9. 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. IF=2.45 (articol premiat UEFISCDI **2020**)
10. Maria Monica Vasilescu, Maria Iuliana Gruia, Camelia Hotnog, **Mirela Mihaila**, Marieta Elena Panait, Lorelei Irina Brasoveanu. Evaluation of topoisomerase I and II status in human breast cancer cell lines", Conferința anuală Zilele Medicale și Științifice ale Institutului Oncologic București, 17-19 mai 2018, București, Oncolog-Hematolog anul XII, nr 43 (2), pp. 54, **2018**, premiul III pentru cel mai bun poster
11. **Mirela Mihaila**, Camelia Hotnog, Viviana Roman, Marinela Bostan, Valentina Uivarosi, Lorelei I. Brasoveanu. Novel ruthenium (III) complexes with co-solvents as potential anti-cancer agents in colon cancer therapy. A 47-lea Conferința Națională de Imunologie (cu participare internațională), 4-6 octombrie **2017**, București, premiul „Andrei Olinescu” pentru cel mai bun poster
12. Gabriela Badea, Nicoleta Badea, Lorelei I. Brasoveanu, **Mirela Mihaila**, Raluca Stan, Daniela Istrati, Teodora Balaci, Ioana Lacatusu. Naringenin improves the sunscreen performance of vegetable nanocarriers. New Journal of Chemistry, vol. 41, pp. 480-492, DOI: 10.1039/C6NJ02318E, **2017**, IF = 3.288, articol premiat în anul 2017 de către ANCS / UEFISCDI
13. I. Lacatusu, N. Badea, G. Badea, O. Oprea, **M. A. Mihaila**, D. A. Kaya, R. Stan, A. Meghea. Lipid nanocarriers based on natural oils with high activity against oxygen free radicals and tumor cell proliferation. Materials Science and Engineering, vol. 56, pp. 88-94, DOI: 10.1016/J.MSEC.2015.06.019, **2015**, IF = 4.652, articol premiat în anul 2015 de către ANCS / UEFISCDI

14. Camelia Hotnog, Dan Hotnog, Marinela Bostan, Georgiana G. Matei, Viviana Roman, **Mirela Mihaila**, Lorelei I. Brasoveanu. Biological effects of resveratrol vs. quercetin treatment in human tumor breast cells. A III-a Conferinta a Institutului Regional de Oncologie (IOR) din Iasi (participare internationala), 27-30 noiembrie **2014**, Iasi, vol. rez. pp. 229, premiul I pentru poster

Prezentari orale invitate la manifestari stiintifice nationale si internationale

1. B.C. Ivan, F. Dumitrascu, C. Draghici, C.M. Hotnog, **M.A. Mihaila**, L.I. Brasoveanu, S. Shova And S.F. Barbuceanu. Synthesis of some new pyridazines derivatives with potential antitumoral activity. Lucrare selectionata si premiata pentru prezentare orală. Congresul Universitatii de Medicina si Farmacie "Carol Davila" Bucuresti, 10 - 12 nov. **2022**.
2. Alexandra-Cristina Munteanu, **Mirela Mihaila**, Joseph Cowell, Gilles Gasser, Valentina Uivarosi. Osmium (II) octahedral complexes featuring orotic acid: anticancer activity and DNA/protein interaction studies. 1st OncoHub Conference, **2021**
3. Botezatu A., Iancu I.V., Bostan M., **Mihaila M.**, Albulescu A., Fudulu A., Diaconu C., Anton G., Plesa A. The role of E6 and E7 HPV16 oncoproteins in host chromatin remodelling through components of nucleosome. Academician Nicolae Cajal Symposium, XIVth edition, Romanian Academy, october 17-19, **2019**, Bucharest, Romania Abstract book pp. 5
4. L.I. Brasoveanu, Camelia Hotnog, I. Dina, **Mirela Mihaila**. Flow-cytometry analysis of modulated biomarkers involved in the proliferation and apoptosis of colon cancer cells. XXVI Congress of the International Society for Advancement of Cytometry (CYTO 2011), Baltimore, Maryland, USA, vol. rez. pp. 275, 21-25 mai **2011**
5. L.I. Brasoveanu, **M. Mihaila**, D. Predescu, M.I. Gruia, R. Anghel. Characterization of Biomarkers associated to tumorigenicity in esophageal cancer cells. "Stem Cells in Development and Disease", Max-Delbruck Center (MDC), Berlin-Buch, Germania, vol. rez. pp. 203, 11-14 sept. **2011**
6. **Hirt Mirela**, Hotnog Dan, Matei Georgiana Gabriela, Bostan Marinela, Puiu Liliana, Braşoveanu Lorelei Irina. Mecanisme de semnalizare celulara induse in linii celulare de cancer de colon tratate cu citostatice si/sau compusi naturali. A 39-a Conferinta Anuala de Imunologie, Calimanesti - Caciulata, vol. rez. pp. 39-40, 24 - 26 septembrie **2009**
7. Georgiana-Gabriela Matei, Marinela Bostan, **Mirela Hirt**, Valeria Liliana Jianu, Madalina Lucia Marcu, Manu D.A, Lorelei Irina Brasoveanu. Caracterizarea expresiei parametrilor imunohistochimici in cancerul de laringe. A 38-a Conferinta Anuala de Imunologie, 24-26 septembrie **2008**, Busteni, vol. rez. pp. 58-59
8. Bostan Marinela, **Hirt Mirela**, Matei Georgiana-Gabriela, Galatiuc Cecilia, Marineata Stefania, Lorelei Irina Brasoveanu. Influenta activarii MAP kinazelor asupra functiei neutrofilelor in artrita reumatoida. A 38-a Conferinta Anuala de Imunologie, 24-26 septembrie **2008**, Busteni, vol. rez. pp. 49-50
9. Galatiuc Cecilia, **Hirt Mirela**, Bostan Marinela, Manda Gina Stavaru Crina, Ursaciuc Cornel. Determinari sanguine imunologice in vederea stabilirii valorilor statistice normale la populatia adulta din Romania. A 38-a Conferinta Anuala de Imunologie, 24-26 septembrie **2008**, Busteni vol. rez. pp. 27-28
10. Marinela Bostan, S. Marineata, **M. Hirt**, G.G. Matei, C. Galatiuc, L.I. Brasoveanu. Studiul implicarii MAP kinazelor in reglarea functiilor leucocitelor polimorfonucleare in artrita reumatoida. Al III-lea Simpozion "Acad. Nicolae Cajal" Bucuresti, 28-29 martie **2007**, vol. rez. pp. 40
11. Cecilia Galatiuc, **M. Hirt**, M. Bostan. Determinarea flowcitolometrica a unor parametri functionali si limfocitelor din sangele periferic uman. A 37-a Conferinta Nationala de Imunologie, Iasi, 19-21 septembrie **2007**, vol. rez. pp. 50
12. **Mirela Hirt**, C. Galatiuc, M. Bostan, G. Matei, L.I. Brasoveanu. Modificari functionale induse prin tratarea celulelor NK cu peptide sintetice si fragmente de IgG. A 37-a Conferinta Nationala de Imunologie, Iasi, 19-21 septembrie **2007**, vol. rez. pp. 55-56
13. Cecilia Galatiuc, **M. Hirt**, M. Bostan. Semnale activatoare si inhibitoare in reglarea functiei naturale citotoxice. Al III-lea Simpozion "Acad. Nicolae Cajal" Bucuresti, 28-29 martie **2007**, vol. rez. pp. 48-49
14. **M. Hirt**, M. Bostan, L.I. Brasoveanu, C. Galatiuc. Modificarile intramoleculare ale IgG glicozilate afecteaza legarea si functiile biologice. Conferinta anuala a Societatii Nationale de Imunologie, Targu-Mures, **2006**
15. C. Galatiuc, **M. Hirt**, M. Bostan. Mecanisme de reglare functionala a celulelor NK. Sesiunea Stiintifica in memoria Acad. Nicolae Cajal, Inst. de Virusologie „Stefan S. Nicolau”, 7 martie **2005**
16. C. Galatiuc, **M. Hirt**, M. Bostan, V. Mitran. Efectul cultivarii asupra distributiei descendentilor celulelor purtatoare de receptori Fc gamma. Conferinta anuala a Societatii Nationale de Imunologie, Timisoara, **2005**
17. **M. Hirt**, I. Baci, M. Bostan, M.C. Constantin, L.I. Brasoveanu, C. Galatiuc. Protein tirozin kinase activation after binding of normal and pathological IgM molecules to Fcγ receptors on NK cells. A 34-a Conferinta anuala a Societatii Nationale de Imunologie, Bucuresti, **2004**
18. **Mirela Hirt**, I. Baci, Iulia Popescu, Marinela Bostan, Mariana Claudia Constantin, Lorelei I. Brasoveanu, Cecilia Galatiuc. Interaction of plgM with FcγR on NK cells mediate signal transduction. Romanian Archives of Microbiology and Immunology, vol. 62, nr. 1-2, pp. 46, **2003**
19. Lorelei Irina Brasoveanu, Marinela Bostan, M. Claudia Constantin, Oana Savu, V. Theodor, **Mirela Hirt**, M. Serban. Biochemical features and functional roles of C-regulatory protein CD59 (Protectin) in human cancer. Romanian Conference of Immunology and Allergology, Bucharest, Romania, 24 - 26 october, vol. rez. pp. 78-79, **2001**

Membru in comitete de organizare de manifestari stiintifice:

1. A 3-a Conferinta a Asociatiei Romane de Imunodermatologie, a 48-a Conferinta a Societatii de Imunologie din Romania, 2019
2. A 42-a Conferinta anuala de Imunologie, Bucuresti 27-29 Septembrie 2012

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