

INFORMAȚII PERSONALE	BLEOTU CORALIA
	
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Sexul feminin Naționalitatea romana	

LOCUL DE MUNCA PENTRU CARE SE CANDIDEAZĂ POZIȚIA LOCUL DE MUNCĂ DORIT STUDIILE PENTRU CARE SE CANDIDEAZĂ	
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EXPERIENȚA PROFESIONALĂ	
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2018 2014 - prezent 2006 – 2014 2003-2006 1998 – 2003	Coordonator Departament Patologie Cellară și Moleculară cercetător științific II cercetător științific III cercetător științific asistent cercetare științifică Institutul de Virusologie Stefan S Nicolau , B-dul Mihai Bravu, Nr 285, sector 3, București, cod 030304, PO 77, PO BOX 201, Romania (www.virology.ro). Conducător / responsabil de proiect, membru în echipa de cercetare a proiectelor privind studiul biologiei celulei stem și a celulei tumorale; studiul interacției gazdă - agent infecțios, Cercetare biomedicală/ Sectorul academic
2009- prezent	cercetător științific III/II (partial) Lector (partial) Universitatea din Bucuresti - Facultatea de Biologie, Catedra de Botanica si Microbiologie Aleea Portocaliilor 1-3, 60101 Bucuresti, Romania Research Institute of the University of Bucharest (ICUB), University of Bucharest, 060023 Bucharest, Romania. Colaborator, membru în echipa de cercetare a proiectelor, lucrari practice imunobiologie (ciclurile de master si doctorat), îndrumător lucrări de licență și de dizertație Cercetare biomedicală/ Sectorul academic

EDUCAȚIE ȘI FORMARE	
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	Studii postdoctorale POSDRU 89/1.5/s/60746 - Institutul Clinic Fundeni, Sos. Fundeni nr. 258, sector 2, București, Romania Cercetare biomedicală: studiul metodelor de izolare, purificare și îmbunătățire a viabilității insulelor pancreatice înainte și post-transplant autolog sau de la donator în moarte clinică; studiul fenomenelor epigenetice în cancerul I de pancreas (metilare și ARNi)	Nivel 8 EQF
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2001-2008	Doctor în Medicină Academia Romana, Institutul de Virusologie Stefan S Nicolau	Nivel 8 EQF
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	Titlul tezei „Semnificația mecanismelor moleculare implicate în transformarea cu papilomavirusuri umane pentru monitorizarea unor cancere umane”
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1992- 1997	Licenta in Biologie, Specializarea Genetică și Biologie Moleculară	Nivel 6 EQF
	Universitatea din București, Facultatea de Biologie	
	Titlul lucrării: Mutațiile și evoluția cancerului	

COMPETENTE PERSONALE	
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Limba(i) maternă(e)	Română				
Alte limbi străine cunoscute	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Engleza	C1	C1	B1	B1	C1
	Niveluri: A1/A2: Utilizator elementar - B1/B2: Utilizator independent - C1/C2: Utilizator experimentat Cadru european comun de referință pentru limbi străine				

Competențe de comunicare	bune competențe de comunicare dobândite prin experiența proprie de cercetător științific prin participarea la numeroase sesiuni de comunicare la congrese, conferințe și simpozioane în țară și în străinătate
Competențe organizaționale/manageriale	<ul style="list-style-type: none"> ▪ Coordoator Departament Patologie Celulară și Moleculară (din 2018) ▪ Coordonator in granturi și programe de cercetare: director de proiect: 3 proiecte (2 GAR, 1 VIASAN); responsabil de proiect: 7 proiecte (1 VIASAN, 1 CEEX, 3 PNII, 2 PNIII) ▪ Membru in echipa de cercetare: 65 programe cu finanțare internă si 7 programe cu finanțare externă. Participari la Conferinte/Congrese internationale (40 ISI/ Clarivate Analytics) și la Conferinte/Simpozioane Nationale cu/fără participare internațională (peste 100) ▪ Expert științific implementare activitate C si D in cadrul proiectului Cercetarea doctorala si postdoctorala prioritate a invatamantului superior romanesc (Doc-Postdoc) –POSDRU/159/1.5/S/137390 ▪ Membru mandatat 2012-2016 în Comisia profesional științifică, învățământ și legislație a ORDINUL BIOCHIMISTILOR, BIOLOGILOR SI CHIMISTILOR IN SISTEMUL SANITAR IN ROMANIA (OBBCSSR)

Membru al unor societati profesionale:	ARC (Romanian Association of Cytometry), SRBBM (Societatea Română de Imunologie Societatea Română de Biochimie și Biologie Moleculară afiliata Federation of European Biochemical Societies), SRI (Societatea Română de Imunologie afiliată European Federation of Immunological Societies); Societatea Româna de Chimie.
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Competențe dobândite la locul de muncă	<p> 1996 - Curs Microbiologie (CEFOR) organizat de TEMPUS-Phare, București, România 1996 - Curs de Biochimie (CEFOR) organizat de TEMPUS-Phare, București, România 1998 - Stagiu de perfecționare pentru personalul medical sub egida Proiectului PHARE LIEN, Spitalul Dr. Victor Babeș, București 2000 – Curs EMBO „Molecular and cellular biology from plant to human cells”, 29th september – 2th octomber, 2000, Debrecen, Hungary 2001 - Curs de Biochimie și biologie moleculară (CEFOR) organizat de TEMPUS-Phare, București, România 2001 - Simpozion aniversar „1901-2001-O sută de ani de școală cantacuzinistă” cu tema „Rezistența bacteriană la antibiotice: istorie și actualitate”, 11-12 octombrie 2001, Institutul Cantacuzino, București. 2002 - Atelier de Imunologie Fundamentală”, organizat de Societatea Națională de Imunologie - 2002 - Curs de perfecționare postuniversitară, De la Biologia Celulară și Moleculară la Medicina secolului XXI”, organizat de Institutul de Biologie și Patologie Celulară “N. Simionescu”, Academia Română 2005 - Simpozion cu tema – Zilele Medicale Medicover-Synevo, 11-12 noiembrie 2005 2006- Stagiu de perfecționare în studii genetice și epigenetice în cadrul Institut fur Genetische Medizin, Universitätsklinikum Bonn, Germania. 2008 –Educație medicală continuă: "Cervico-vaginal cytology: AdvancedConcepts", București Romania 2008 – Educație medicală continuă:"Managementul și calitatea în laboratoarele de analiză medicală, organizat de CALILAB, București, Romania 2009 – Advanced BD FACSCanto II and BD FACSDiva 6 training, oranzat de INCDDPSB Victor Babeș în parteneriat cu Becton Dickinson International, București, Romania 2009 – curs Formator în domeniul: Managementul, asigurarea și controlul calității în laborator, Centrul național de perfecționare în domeniul sanitar București, Certificat seria:F, Nr:2345/2009, nr înregistrare: 1179/2009, formator acreditat Ministerul Sănătății 2010 - Educație medicală continuă: “Etapele diagnosticului de laborator în microbiologie ” organizat de CALILAB în parteneriat cu OBBCSSR, București, Romania 2010 – Atelier de lucru- Welcome to a more colorful world, welcome to more choice, organizat de Asociația de Citometrie din Romania, București Romania 2010 – Balkan Flow user’s meeting, organizat de Novainterned în parteneriat cu Becton Dickinson International, Rovinj, Croația 2011 –Formator, Curs organizat de Euro Best Team SRL, conform OG 129/2000, republicată 2011 – Manager de proiect, Curs organizat de INCDDPSB Victor Babeș, in cadrul POSDRU TDM, diplomă manager proiect conform OG 129/2000, republicată 2012 – Managementul cercetării; Dezvoltarea aptitudinilor pentru succes și competitivitate în cercetarea științifică; Etica în cercetarea științifică, curs in cadrul POSDRU 89/1.5/S60746, București, Romania, diplomă manager proiect conform OG 129/2000, republicată 2012 – Workshop exploratoriu (WE20)- Interrelația microorganism-gazdă în patogeneza bolilor infecțioase – organizat de Centrul de învățământ și Documentare „Jacques Monod” din INCDMI”Cantacuzino”, București Romania 2012 – Estimarea incertitudinilor de măsurare și validarea metodelor de testare conform SR ISO15189:2007, Aplicații practice, organizat de CALILAB în parteneriat cu OBBCSSR, Bucuresti, Romania 2012 – Procesarea și degradarea proteinelor in condiții normale și patologice, curs organizat de Institutul de Biochimie, in cadrul POSDRU 89/1.5/S60746, București, Romania 2012 – Metode bioinformaticice în genomică și proteomică, curs organizat de Institutul de Biochimie, in cadrul POSDRU 89/1.5/S60746, București, Romania 2012 – Aplicațiile tehnicii microarray în cercetările din domeniul cancerului, curs oranzat de Institutul Clinic Fundeni, in cadrul POSDRU 89/1.5/S60746, București, Romania 2012 – Bazele moleculare ale infecției virale, curs organizat de Institutul de Biochimie, in cadrul POSDRU 89/1.5/S60746, București, Romania 2016 - Seminarul Live Cell Imaging desfășurat în perioada 18-20 octombrie 2016 la Institutul Național de Patologie Victor Babeș. 2016 – Biostatistică medicală – workshop „Who is afraid of biostats?”, București, România 2015 – Beckman Coulter Astrios Customer Training, Nyon, Elveția </p>
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Competențe digitale

AUTOEVALUARE

	Procesarea informației	Comunicare	Creare de conținut	Securitate	Rezolvarea de probleme
	Utilizator experimentat	Utilizator experimentat	Utilizator experimentat	Utilizator experimentat	Utilizator experimentat
	Niveluri: Utilizator elementar - Utilizator independent - Utilizator experimentat				
	Competențele digitale - Grilă de auto-evaluare				
	Scrieți denumirea certificatului.				
	<ul style="list-style-type: none"> ▪ o bună stăpânire a o suită de programe de birou (organizarea fișierelor, programele Word, Excell, Powerpoint, baze de date, Internet) ▪ bune cunoștințe de editare foto și grafica computerizată (CorelDraw, Adobe)) ▪ bune cunoștințe de utilizare a software-urilor biostatistice și bionformate (GraphPad Prism) 				

INFORMAȚII SUPLIMENTARE	
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Premii	<p>2018_ Diplomă de excelență – Locul 1- echipei Dragu D, Matei L, Neacșu I, Zurac S, Necula L, Mambet C, Ficai A, Neagu AI, Chivu-Economescu M, Tihuan B, Kamerzan C, Andronescu E, Diaconu C, Bleotu C, - pentru participarea cu poster la Simpozionul Academician Nicolae Cajal</p> <p>2015_ Premiul Academiei Române pentru 2013, Premiul „Ștefan S. Nicolau” pentru Suita de 11 lucrări consacrată mecanismelor genetice și epigenetice implicate în carcinogeneza indusă de virusurile papilloma umane (HPV), autori: Coralia Bleotu, Anca Botezatu, Iulia Virginia Iancu și Adriana Pleșa</p> <p>2010 – Premiul III colectivului: Iordache C, M. Lixandru, F. Iordache, A Holban, Bleotu C, C. Chifiriuc, E. Andrei, F. Antohe, pentru posterul: „Morphological and molecular changes induced by apoptosis following treatment with P. Aeruginosa bacterial culture and cell free culture in endothelial cells” prezentată la Conferința aniversară a Institutului de Biologie, 29 sept-1 oct, Bucuresti, Romania</p> <p>2008- Outstanding Abstract Award Dulămea A, Sîrbu Boeți Patricia, S. Dulămea, Chivu M, Bleotu C, Efrimescu Cătălin, A. Câmpeanu, I. Popescu. Mesenchymal stem cells effect in severe neuromyelitis. „2nd World Congress in Controversies in Neurology”, 23-26 October 2008, Atena, Grecia, A-74.</p> <p>007 – Premiul Anual al Societății Române de Microbiologie colectivului: Daniela Cristea, M Lixandru, Elena Pencu, Marcela Bucur, C Larion, Iordache C, Olguța Drăcea, C Balotescu, Bleotu C, O Banu, Lucia Ciudin, Ramona Cernat, Anca Israil, pentru lucrările poster: „Studiul interacțiunii unor tulpini de <i>Shigella</i> și <i>Escherichia coli</i> enteroinvaziv cu celule HeLa”, „Demonstrarea localizării intracelulare a unor tulpini de <i>Staphylococcus aureus</i> și <i>Pseudomonas aeruginosa</i> în celulele nefagocitice” prezentate la a XI- Reuniune Anuală de Microbiologie, 24-26 mai 2007, Mamaia, Romania.</p>
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Lista de publicații

Capitle de carte publicate in edituri internationale

1. Bleotu C, Anton G, The Indicators of Predicting Disease Outcome in HPV Carcinogenesis, in the book "Topics on Cervical Cancer With an Advocacy for Prevention" edited by Rajamanickam Rajkumar, ISBN 978-953-51-0183-3, InTech, March 3, 2012.
2. Chifiriuc MC, Socolov D, Moshin Veaceslav, Lazăr V, Mihaescu Grigore and Bleotu C, Host Immune Response to Chlamydia Infection, in the book "Chlamydia" edited by Mihai Mares, ISBN 978-953-51-0470-4, InTech, March 3, 2012.
3. Demetra Socolov, Bleotu C, Nora Miron, Razvan Socolov, Lucian Boiculescu, Mihai Mares, Sorici Natalia, Moshin Veaceslav, Anca Botezatu and Anton G, Correlation Between Chlamydia trachomatis IgG and Pelvic Adherence Syndrome, in the book "Chlamydia" edited by Mihai Mares, ISBN 978-953-51-0470-4, InTech, March 3, 2012.
4. Anton G, Plesa A, Bleotu C, Botezatu Anca, Anton M, Brasoveanu LI and Stoian M, Human Papillomaviruses Oncoproteins, in the book "Oncogene and Cancer - From Bench to Clinic" edited by Yahwardiah Siregar, ISBN 978-953-51-0858-0, InTech, January 1, 2013.
5. Holban AM, Bleotu C, Chifiriuc MC and Lazăr V. Control of bacterial virulence by cell-to-cell signalling molecules. Microbial pathogens and strategies for combating them: science, technology and education. Microbiology Book Series – 2013 Edition, Badajoz (Spain).
6. Bleotu C, Socolov D, Anton M, Botezatu A, Plesa A, Iancu IV, Brasoveanu LI, Anton G, Diaconu CC, Interplay of Epigenetics with Gynecological Cancer, in "Gynecologic Cancers - Basic Sciences, Clinical and Therapeutic Perspectives", Editor Samir A. Farghaly, ISBN 978-953-51-2254-8, publicata in Martie 2016, DOI: <http://dx.doi.org/10.5772/61032>.
7. Bostan M, Mihaila M, Hotnog C, Bleotu C, Anton G, Roman V, Brasoveanu LI, Modulation of Apoptosis in Colon Cancer Cells by 3 Bioactive Compounds, in Colon Cancer, acceptata in 2016.
8. Bleotu C, Matei L, Dragu LD, Grigorescu L, Diaconu CC, Anton G Genetically Engineered Foods Handbook of Food Bioengineering, Volume 6 Chapter 15 - Methods for Plant Genetic Modification, pages 385–401. <https://doi.org/10.1016/B978-0-12-811519-0.00015-7>.
9. Bleotu C, Chifiriuc MC, Socolov R, Socolov D, Introduction in Food Safety Biosecurity and Hazard Control, in Food Control and Biosecurity, Volume 16, pag 1-18, Academic Press 2018, eBook ISBN:9780128114971, Paperback ISBN: 9780128114452.
10. Popa M, Mărușescu L, Ion I, Kamerzan C, Bleotu C, Oprea E, Chifiriuc MC, Lazăr V, Chapter 14 - Antimicrobial and cytotoxic activity of graphene-based perioceticals, pages 585-599, in Fullerenes, Graphenes and Nanotubes: A Pharmaceutical Approach 2018, Elsevier Inc, DOI: <http://dx.doi.org/10.1016/B978-0-12-813691-1.00014-2>.
11. Bleotu C, Mambet C, Matei L, Dragu LD, Chapter 14 -Improving Wine Quality and Safety Through Nanotechnology Applications, In Nanoengineering in the Beverage Industry, Volume 20: the Science of Beverages, 2020, Pag 437-458, Elsevier Inc. All, Academic Press, <https://doi.org/10.1016/B978-0-12-816677-2.00015-6>.
12. Gradisteanu-Pircalabioru G, Bleotu C, Curutiu C, Mihaescu G, Chifiriuc MC, Chapter 2 - Nanodrug delivery systems in cancer, in Biomedical Applications of Nanoparticles, Ed. Elsevier, 2019, Pag 31-62. <https://doi.org/10.1016/B978-0-12-816506-5.00015-2>
13. Diaconu CC, Gurban P, Mambet C, Chivu-Economescu M, Necula LG., Matei L, Dragu D, Nedeianu S, Neagu AI, Tatic A, Cristodor D, Bleotu C, Programmed Cell Death Deregulation in BCR-ABL1-Negative Myeloproliferative Neoplasms IntechOpen, DOI:<http://dx.doi.org/10.5772/intechopen.86062>.

Articole Cotate Clarivate -autor principal

1. Limban C, Balotescu Chifiriuc MC, Missir AV, Chiriță IC, **Bleotu C**, Antimicrobial Activity of Some New Thioureides Derived from 2-(4-Chlorophenoxymethyl)benzoic Acid, Molecules 2008, 13 (3), 567-580. DOI: <http://dx.doi.org/10.3390/molecules13030567>.
2. **Bleotu C**, Chifiriuc MC, Grigore R, Grancea C, Popescu RC, Anton G, Cernescu CE. Investigation of Th1/Th2 cytokine profiles in patients with laryngo-pharyngeal, HPV-positive cancers. European Archives of Oto-Rhino-Laryngology, 2013, 270 (2), 711-718. DOI: <http://dx.doi.org/10.1007/s00405-012-2067-7>; **WOS:000314295800044; Q2**
3. **Bleotu C**, Pircalabioru G, Dragusel R, Aldea IM, Botezatu A, Banu O, Mihaescu G, Cernescu EC; Diaconu CC. Modulation of Interaction Between Virus and Eukaryotic Host by Exposure to S. aureus Bacterial Soluble Fractions, Current Organic Chemistry, 2013, 17 (2), 137-1430. DOI <http://dx.doi.org/10.2174/1385272811317020009>; **WOS:000317273500008; Q2**
4. **Bleotu C**, Chifiriuc MC, Pircalabioru G, Berteșteanu SVG, Grigore R, Ruta SM, Lazar V. Significance of serum antibodies against HSP 60 and HSP 70 for the diagnostic of infectious diseases, Virulence, 2014, 5(8):828-831. DOI:<http://dx.doi.org/10.4161/21505594.2014.973800> ; **WOS:000348458800008; Q1**
5. Jinga SI, Voicu G, Stoica-Guzun A, Stroescu M, Grumezescu AM, **Bleotu C.**, Biocellulose nanowhiskers cement composites for endodontic use, Digest Journal of Nanomaterials and Biostructure, 2014, 9(2) 543 – 550. **WOS:000339050700012; Q3**
6. **Bleotu C**, Chifiriuc MC, Lazăr V, Drăgușel R, Matei L, Aldea IM, Dragu LD, Ionescu B, Diaconu CC, Cernescu C, Mogoantă CA, Popescu CR, Popescu B, Grigore R, Berteșteanu ȘV. Influence of Staphylococcus aureus attachment to the herpes simplex virus infected cells. Romanian Journal of Morphology and Embryology, 2015, 56(2):433-437. **WOS:000358559400014; Q4**
7. Fikai D, Sonmez M, Albu MG, Mihaiescu DE, Fikai A, **Bleotu C**. Antitumoral materials with regenerative function obtained using a layer-by-layer technique, Drug Design Development and Therapy, 2015, 9, 1269—1279. DOI <http://dx.doi.org/10.2147/DDDT.S62805>; **WOS:000350273700002; Q2**

8. Matei L, **Bleotu C**, Baci I, Diaconu CC, Hanganu A, Banu O, Ionita P, Paun A, Tatibouet A, Zarafu I, Synthesis and biological activities of some new isonicotinic acid 2-(2-hydroxy-8-substituted-tricyclo [7.3.1.0(2.7)]tridec-13-ylidene)-hydrazides, *Bioorganic & Medicinal Chemistry*, 2015, 23(3), 401-410. DOI <http://dx.doi.org/10.1016/j.bmc.2014.12.038> ; **WOS:000348039700003**; **Q2**
9. Nitulescu GM, Draghici C, Olaru OT, Matei L, Ioana A, Dragu LD, **Bleotu C**. Synthesis and apoptotic activity of new pyrazole derivatives in cancer cell lines. *Bioorganic & Medicinal Chemistry* 23 (17), 5799-5808, 2015. doi: <http://dx.doi.org/10.1016/j.bmc.2015.07.010>; **WOS:000360349900059**; **Q2**
10. Georgescu M, Gheorghe I, Curutiu C, Lazar V, **Bleotu C** (*corresponding*), Chifiriuc MC: Virulence and resistance features of *Pseudomonas aeruginosa* strains isolated from chronic leg ulcers. *BMC Infectious Diseases* 16 Suppl 1:92, 2016. DOI <http://dx.doi.org/10.1186/s12879-016-1396-3>; **WOS:000378592200002**; **Q2**
11. Mambet C, Chivu-Economescu M., Matei L, Stoian M, **Bleotu C**: Strategies to Overcome Multi-Drug Resistance in Cancer Cells: the Contribution of siRNA and Nanotechnologies. *Current Organic Chemistry* 2016, 20, 2971-2982. DOI: <http://dx.doi.org/10.2174/1385272820666160510163625>; **WOS:000390348100005**; **Q3**
12. Săndulescu O, Bleotu C (*first author equal contribution*), Matei L, Streinu-Cercel A, Oprea M, Drăgulescu EC, Chifiriuc MC, Rafila A, Pirici D, Tălăpan D, Dorobăț OM, Nețuț AC, Oțelea D, Berciu I, Ion DA, Codiță I, Calistru PI, Streinu-Cercel A: Comparative evaluation of aggressiveness traits in staphylococcal strains from severe infections versus nasopharyngeal carriage. *Microbial pathogenesis*, 2017, 102, 45 -53. DOI: <http://dx.doi.org/10.1016/j.micpath.2016.11.006>; **WOS:000392363400009**; **Q3**.
13. Tudose M, Culita DC, Musuc AM, Somacescu S, Ghica C, Chifiriuc MC, **Bleotu C**: Lipoic acid functionalized SiO₂@Ag nanoparticles: Synthesis, characterization and evaluation of biological activity. *Materials Science & Engineering C-Materials for Biological Applications* 2017, 79:499-506. DOI: <http://dx.doi.org/10.1016/j.msec.2017.05.083>; **WOS:000404704300059**; **Q1**
14. Nitulescu G M, Matei L, Aldea IM, Draghici C, Olaru OT, **Bleotu C**, Ultrasound-assisted synthesis and anticancer evaluation of new pyrazole derivatives as cell cycle inhibitors. *Arabian Journal of Chemistry*, 12, 6, 816-824, 2019. DOI: <http://dx.doi.org/10.1016/j.arabjc.2015.12.006>; **WOS:000483543900006**; **Q2**.
15. Vlad IM, Nuta DC, Chirita C, Caproiu MT, Draghici C, Dumitrascu F, **Bleotu C** (*corresponding*), Avram S, Udrea AM, Missir AV, Marutescu LG, Limban C. In Silico and In Vitro Experimental Studies of New Dibenz[oxepin-11(6H)]one O-(arylcarbamoyl)-oximes Designed as Potential Antimicrobial Agents. *Molecules*. 2020 Jan 13;25(2):321. doi: <http://dx.doi.org/10.3390/molecules25020321>; **WOS:000515381800083**; **Q2**.
16. Vrancianu CO, Popa LI, **Bleotu C** (*corresponding*), Chifiriuc MC. Targeting Plasmids to Limit Acquisition and Transmission of Antimicrobial Resistance. *Front Microbiol*. 2020;11:761. DOI: <http://dx.doi.org/10.3389/fmicb.2020.00761>; **WOS:000536564100001**; **Q1**.
17. Asprițoiu VM, Stoica I, **Bleotu C**, Diaconu CC. Epigenetic Regulation of Angiogenesis in Development and Tumors Progression: Potential Implications for Cancer Treatment. *Front Cell Dev Biol*. 2021, 9:689962. DOI: <http://dx.doi.org/10.3389/fcell.2021.689962>; **WOS:000697151100001**; **Q2**.
18. Iconaru SL, Predoi D, Ciobanu CS, Motelica-Heino M, Guegan R, **Bleotu C**. Development of Silver Doped Hydroxyapatite Thin Films for Biomedical Applications. *Coatings*. 2022; 12(3):341. <https://doi.org/10.3390/coatings12030341>; **WOS:000775944900001**; **Q2**.
19. Petrisor G, Fikai D, Motelica L, Trusca RD, Bîrcă AC, Vasile BS, Voicu G, Oprea OC, Semenescu A, Fikai A, Popitiu MI, Fierascu I, Fierascu RC, Radu EL, Matei L, Dragu LD, Pitica IM, Economescu M, **Bleotu C**. Mesoporous Silica Materials Loaded with Gallic Acid with Antimicrobial Potential. *Nanomaterials* (Basel). 2022, 12(10):1648. doi: <http://dx.doi.org/10.3390/nano12101648>; **WOS:000801625300001**; **Q2** .
20. Vasilescu IM, Chifiriuc MC, Pircalabioru GG, Filip R, Bolocan A, Lazăr V, Dițu LM, **Bleotu C**. Gut Dysbiosis and *Clostridioides difficile* Infection in Neonates and Adults. *Front Microbiol*. 2022, 12:651081. doi: <http://dx.doi.org/10.3389/fmicb.2021.651081>; **WOS:000750563100001** ; **Q2**.
21. Chifiriuc MC, Bleotu C. Editorial: Common themes in drug resistance: from viruses to humans. *Front Microbiol*. 2025 6;16:1573798. doi: <http://dx.doi.org/10.3389/fmicb.2025.1573798>; **WOS:001447723800001**; **Q2**.
22. Stoica SI, Onose G, Pitica IM, Neagu AI, Ion G, Matei L, Dragu LD, Radu LE, Chivu-Economescu M, Necula LG, Angheliescu A, Diaconu CC, Munteanu C, **Bleotu C**. Molecular Aspects of Hypoxic Stress Effects in Chronic Ethanol Exposure of Neuronal Cells. *Curr Issues Mol Biol*. 2023, 45(2):1655-1680. doi: <http://dx.doi.org/10.3390/cimb45020107>; **WOS:000938908900001**; **Q3**.
23. Baratoiu-Carpen R.D., Bem M., Matei L., **Bleotu C**. Evaluation of biological properties of some nitrobenzofurazan derivatives containing a sulfide group, *Rev. Roum. Chim.*, 2024,69(10-12), 573-578, doi: <http://dx.doi.org/10.33224/rch.2024.69.10-12.06>; **WOS:001398299000006**; **Q4**.
24. **Bleotu C**, Matei L, Dragu LD, Necula LG, Pitica IM, Chivu-Economescu M, Diaconu CC. Viruses in wastewater-a concern for public health and the environment. *Microorganisms*, 2024, 12 (7), 1430, doi:<http://dx.doi.org/10.3390/microorganisms12071430>; **WOS:001277584600001**; **Q2**
25. **Bleotu C**, Iconaru SL, Ciobanu CS, Groza A, Predoi D, Exploring the Effects of Dulbecco's Modified Eagle's Medium on Irradiated Layers of Magnesium-Doped Hydroxyapatite in a Chitosan Matrix for Biomedical Applications, *Coatings* 2025, 15(2), 209; <https://doi.org/10.3390/coatings15020209>; **WOS:001429820700001**; **Q2**

Articole Indexate Clarivate sau BDI- autor principal

1. **Bleotu C**, Botezatu A, Goia C, Socolov D, Dragomir L, Popa E, Cornițescu F, Teleman S, Anton G , hTERT expression as a potential diagnostic marker, *Romanian Biotechnological Letters*, 2010, 15 (1), 4922-4930.
2. Chifiriuc MC, Pircalabioru G, Gilea B, Lazăr V, Dascalu L, Enache G, **Bleotu C**. Immunogenicity of different cellular fractions of *Vibrio parahaemolyticus* strains grown under sub-lethal heat and osmotic stress. *African Journal of Microbiology Research* 2011, 5(1): 65-72.
3. Voicu G, Hadanoiu AI, Andronescu E, **Bleotu C**, Binding Properties and Biocompatibility of Accelerated Portland Cement for Endodontic Use, *Revista de Chimie*, 2012, 63, 10, 1031-1034.
4. Holban AM, Chifiriuc MC, Cotar AI, **Bleotu C (corresponding author)**, Grumezescu AM, Banu O, Lazăr V, Virulence markers in *Pseudomonas aeruginosa* isolates from hospital-acquired infections occurred in patients with underlying cardiovascular disease, *Romanian Biotechnological Letters*, 2013, 6, 8843-8854.
5. Voicu G, Geanaliu R, Ghițulica C, Ficăi A, Grumezescu A, **Bleotu C**, Synthesis, characterization and bioevaluation of irinotecan-collagen hybrid materials for biomedical applications as drug delivery systems in tumoral treatments. *Central European Journal of Chemistry*, 11, 2134-2143, 2013.
6. Comanescu C, **Bleotu C (corresponding)**, Huica I, Radulescu M, Grancea C, Anton G, Non-invasive method for the evaluation of IL-6 and IL-10 levels in patients with chronic hepatitis C, *Romanian Biotechnological Letters*, 2015, 20(6), 11018-11024.
7. **Bleotu C**, Chifiriuc MC, Mircioaga D, Sandulescu O, Aldea IM, Banu O, Ion DA, Diaconu CC, Lazar V. The influence of nutrient culture media on *Escherichia coli* adhesion and biofilm formation ability *Romanian Biotechnological Letters*, 2017, 22 (2): 12483 - 12491.
8. **Bleotu C**, Socolov D, Stanculescu R, Socolov R, Anton M, Anton G. Methods of investigation of human microbiome in obstetrics and gynecology. *Rom Biotechnol Lett*. 2019; 24(2): 344-353. DOI: 10.25083/rbl/24.2/344.353
9. Stroe R, Mambet C, Curici A, Ivan F, Alexa L, Morjan C, Lazar V, Bleotu C, The prevalence of hrHPV in a significant cohort of Romanian women, *Romanian Biotechnological Letters*; 2019, 24 (1) , pp.75-81, DOI: 10.26327/RBL2018.197.
10. Bostan M, Ataman M, Bostan IS, **Bleotu C**. Targets and assay types for COVID-19 diagnosis. *J Immunoassay Immunochem*. 2020, 41(6):946-959. doi: 10.1080/15321819.2020.1862866. PMID: 33539260.
11. Pitica IM, Matei L, Dragu LD, Alexandru G, Suci A, Alexiu ID, Neagu AI, Chivu-Economescu M, Crisan , Cristina M, Gabriela A, Diaconu CC, **Bleotu C**, *Tamarix gallica* extract induces apoptosis via an intrinsic mechanism, *Romanian Biotechnological Letters*, 25 (4):2020 ,1701-1708 .
12. Tiplea RE, Lemnaru GM, Trușcă RD, Holban A, Albu Kaya MG, Dragu LD, Ficăi D, Ficăi A, **Bleotu C**, Antimicrobial Films based on Chitosan, Collagen, and ZnO for Skin Tissue Regeneration, *Biointerface Research In Applied Chemistry*, 2021, 11 (4), pp.11985-11995, <https://doi.org/10.33263/BRIAC114.1198511995>.
13. **Bleotu C**, Botezatu A, Goia CD, Socolov D, Cornițescu F, Teleman S, Huică I, Iancu I, Anton G, P16INK4A--A possible marker in HPV persistence screening, *Roum Arch Microbiol Immunol*. 2009, 68(3):183-189.
14. **Bleotu C**, Chifiriuc MC, Olguta Dracea, Iordache C, C Delcaru, Lazăr V , In vitro modulation of adherence and invasion ability of enteroinvasive *Escherichia coli* by different viruses, *IJABPT* 1(3) 1359 - 1363, 2010.
15. **Bleotu C**, Pleșa A, Botezatu Anca, Goia C, Drăgușel Roxana, Socolov Demetra, Cornițescu Florin, Teleman Sorin, Anton G. K-ras expression--marker of dysplasia and cancer. *Roum Arch Microbiol Immunol*. 2009, 68(4):195-200.
16. **Bleotu C**, Pleșa A, Iancu IV, Huică I, Drăgușel R, Socolov D, Teleman S, Iliescu D, Peltecu G, Anton G, Role of p16INK4a, hTERT and K-ras in early detection of gynecological malignancies, *Proceedings Roumanian Academy, Serie B*, 11 (1), 25-30, 2009.
17. **Bleotu C**, Popescu CR, Anton G, Pleșa A Grigore R, Welt L, Aldea I, Dragușel R, Chivu M, Matei G, Cernescu C. Tracking down of laryngo-pharyngeal metastasis. *Roum Arch Microbiol Immunol*. 2011, 69(3):153-63.

Articole Cotate Clarivate Analitics - co-autor

1. Mutiu A, Alexiu ID, Chivu M, Petica M., Anton G, Bleotu C, Diaconu CC, Popescu C, Jucu V, Cernescu C, Detection of human papillomavirus gene sequence in cell lines derived from laryngeal tumors, *Journal of Cellular and Molecular Medicine*. 2001, 5, 1, 49-59. 10.1111/j.1582-4934.2001.tb00137.x
2. Chivu M, Diaconu CC, Brașoveanu L, Alexiu I, Bleotu C, Bănceanu G, Mișcalencu D, Cernescu C, Ex vivo differentiation of umbilical cord blood progenitor cells in the presence of placental conditioned medium, *Journal of Cellular and Molecular Medicine*, 6 (4):609-619, 2002.
3. Chivu M, Diaconu CC, Bleotu C, Alexiu I, Brașoveanu LI, Cernescu C, The comparison of different protocols for expansion of umbilical cord blood hematopoietic stem cell, *Journal of Cellular and Molecular Medicine*, 2004, 8(2), 223-231.
4. Diaconu CC, Bleotu C, M Chivu, Alexiu I, Petrusca D, Anton G, Achim R., Ruta SM, Cernescu CE, The development of larger cells that spontaneously escape senescence – a step during the immortalization of a human cancer cell line, *Journal of Cellular and Molecular Medicine*, 8 (1) 93-101, 2004.
5. Grigoroiu-Serbanescu M, Diaconu CC, Herms S, Bleotu C, Vollmer J, Muhleisen TW, Prelipceanu D, Priebe L, Mihailescu R, Georgescu MJ, Sima D, Grimberg M, Nothen MN and Cichon S, Investigation of the tryptophan hydroxylase 2 gene in bipolar I disorder in the Romanian population, *Psychiatric Genetics* 18 (5), 240–247, 2008.

6. Chivu M, Dima SO, Stancu CI, Dobrea C, Uscatescu V, Necula L G, Bleotu C, Tanase C, Albulescu R, Ardeleanu C, Popescu I, Translational research: the journal of laboratory and clinical medicine, 2009;154(3):122-132.
7. Grigoroiu-Serbanescu M, Herms S, Diaconu CC, Jamra RA, Meier S, Bleotu C, Neagu AI, Prelipceanu D, Sima D, Gherghel M, Mihailescu R, Rietschel M, Nöthen MM, Cichon S, Mühleisen TW. Possible association of different G72/G30 SNPs with mood episodes and persecutory delusions in bipolar I Romanian patients, *Prog Neuropsychopharmacol Biol Psychiatry*. 2010, 34(4):657-663.
8. Olar R, Badea M, Marinescu D, Chifiriuc MC, Bleotu C, Grecu MN, Iorgulescu EE, Bucur M, Lazăr V Finaru A., Prospects for new antimicrobials based on N,N-dimethylbiguanide complexes as effective agents on both planktonic and adhered microbial strains., *European Journal of Medicinal Chemistry*. 2010, 45(7):2868-2875.
9. Olar R, Badea M, Marinescu D, Chifiriuc MC, Bleotu C, Grecu MN, Iorgulescu EE, Lazăr V, N,N-dimethylbiguanide complexes displaying low cytotoxicity as potential large spectrum antimicrobial agents. *European Journal of Medicinal Chemistry*. 2010, 45(7):3027-3034.
10. Tanasescu C, Balanescu E, Balanescu P, Olteanu R, Badea C, Grancea C, Vagu C, Bleotu C, Ardeleanu C, Georgescu A. IL-17 in cutaneous lupus erythematosus. *European Journal of Internal Medicine*. 2010, 21(3):202-207.
11. Anton G, Peltecu G, Socolov D, Cornitescu F, Bleotu C, Sgarbura Z, Teleman S, Iliescu D, Botezatu A, Goia CD, Huica I, Anton AC. Type-specific human papillomavirus detection in cervical smears in Romania. *APMIS*. 2011, 119(1):1-9.
12. Chifiriuc MC, Banu O, Bleotu C, Lazăr V Interaction of bacteria isolated from clinical biofilms with cardiovascular prosthetic devices and eukaryotic cells. *Anaerobe*. 2011, 17(6):419-421.. doi: 10.1016/j.anaerobe.2011.04.016.
13. Chifiriuc MC, Lazăr V, Bleotu C, Călugărescu I, Grumezescu AM, Mihaiescu DE, Mogoșanu DE, Buteică AS, Buteică E: Bacterial adherence to the cellular and inert substrate in the presence of CoFe₂O₄ and Fe₃O₄ /oleic acid – core/shell, *Digest Journal of Nanomaterials and Biostructures*, 6 (1), 37-42, 2011
14. Dițu LM, Chifiriuc MC, Bezirtzoglou E, Voltsi C, Bleotu C, Pelinescu D, Mihaescu G, Lazăr V, Modulation of virulence and antibiotic susceptibility of enteropathogenic *Escherichia coli* strains by *Enterococcus faecium* probiotic strain culture fractions. *Anaerobe*. 2011, 17(6):448-451.
15. Zănescu O, Brehar Mircea Felix, Bleotu C, Gorgan RM. Co-localization of PCNA, VCAM-1 and caspase-3 with nestin in xenografts derived from human anaplastic astrocytoma and glioblastoma multiforme tumor spheres. *Micron*. 2011, 42(8):793-800.
16. Anghel I, Chifiriuc MC, Mitache M, Măruțescu L, Anghel AG, Popa M, Pelinescu D, Bleotu C, Lazăr V. Phenotypic and genotypic assessment of virulence factors in beta-hemolytic streptococci isolated from kindergarten infantile population, with or without clinical symptoms, including scarlet fever. *Farmacia*, 2012, 60: 21-31
17. Anghel I, Limban C, Grumezescu AM, Anghel AG, Bleotu C, Chifiriuc MC, In vitro evaluation of anti-pathogenic surface coating nanofluid, obtained by combining Fe₃O₄/C₁₂ nanostructures and 2-((4-ethylphenoxy)methyl)-N-(substituted-phenylcarbamothioyl)-benzamides, *Nanoscale Research Letters* 2012, 7:513. DOI 10.1186/1556-276X-7-513.
18. Cristescu R, Popescu C, Socol G, Iordache I, Mihailescu IN, Mihaiescu DE, Grumezescu AM, Andronie A, Stamatin I, Chifiriuc MC, Bleotu C, Saviuc C, Popa M, Chrisey DB, Magnetic Core/Shell Nanoparticle Thin Films Deposited By Maple: Investigation By Chemical, Morphological and in vitro biological assays, *Applied Surface Science*, 258, 23, 2012, 9250-9255.
19. Grumezescu AM, Andronesu E, Fikai Anton, Bleotu C, Mihaiescu DE, Chifiriuc MC, Synthesis, characterization and in vitro assessment of the magnetic chitosan-carboxymethylcellulose biocomposite interactions with the prokaryotic and eukaryotic cells, *International Journal of Pharmaceutics*, 2012, 436 (2012) 771– 777.
20. Necula LG, Chivu-Economescu M, Stanculescu Elena, Bleotu C, Dima SO, Alexiu I, Dumitru A, Constantinescu G, Popescu I, Diaconu CC. IL-6 and IL-11 as markers for tumor aggressiveness and prognosis in gastric adenocarcinoma patients without mutations in Gp130 subunits. *Journal of Gastrointestinal and Liver Diseases* 2012, 21(1), 23-29 (ISSN 1841-8724).
21. Nițulescu GM, Draghici C, Chifiriuc MC, Măruțescu L, Bleotu C, Missir AV. Synthesis and antimicrobial screening of N-(1-methyl-1Hpyrazole-4-carbonyl)-thiourea derivatives. *Medicinal Chemistry Research*. 2012, 21:308-314.
22. Remes C, Paun A, Zarafu I, Tudose M, Caproiu MT, Ionita G, Bleotu C, Matei L, Ionita P. Chemical and biological evaluation of some new antipyrene derivatives with particular properties. *Bioorganic Chemistry*, 2012, 41-42, 6-12.
23. Sonmez M, Fikai D, Stan Ana, Bleotu C, Matei L, Fikai A, Andronesu E, Synthesis and characterization of hybrid PVA/Al₂O₃ thin film, *Materials Letters*, 74, 2012, 132–136.
24. Badea M, Iosub E, Chifiriuc CM, Măruțescu L, Iorgulescu EE, Lazăr V, Marinescu D, Bleotu C, Olar R. Thermal, spectral, electrochemical and biologic characterization of new Pd(II) complexes with ligands bearing biguanide moieties. *Journal of Thermal Analysis and Calorimetry* 111 (3): 1753-1761, 2013.
25. Chifiriuc MC, Grumezescu AM, Saviuc C, Hristu Radu, Grumezescu V, Bleotu C, Stanciu G, Mihaiescu DE, Andronesu E, Lazăr V, Radulescu R, Magnetic nanoparticles for controlling in vitro fungal biofilms, *Current Organic Chemistry*, 17,10, 1023-1028, 2013.
26. Grumezescu AM, Andronesu E, Albu MG, Fikai A, Bleotu C, Dragu LD, Lazar V, Wound Dressing Based Collagen Biomaterials Containing Usnic Acid as Quorum Sensing Inhibitor Agent: Synthesis, Characterization and Bioevaluation, *Current Organic Chemistry*, 17, 2, 125-131, 2013.
27. Grumezescu AM, Andronesu E, Grumezescu V, Bleotu C, Saviuc C, Mihaiescu DE, Chifiriuc MC, Biocompatible magnetic hollow silica microspheres for drug delivery, *Current Organic Chemistry*, 17,10, 1029-1033, 2013.
28. Matei L., Bleotu C., Baciu I., Draghici C., Ionita P., Paun A., Chifiriuc M.C., Sbarcea A., Zarafu I. Synthesis and bioevaluation of some new isoniazid derivatives. *Bioorganic & Medicinal Chemistry* 2013; 21: 5355–5361 (ISSN: 0968-0896)

29. Mihaiescu DE, Cristescu R, Dorcioman G, Popescu CE, Nita C, Socol G, Mihaiescu IN, Grumezescu AM, Tamas D, Enculescu M, Negrea RF, Ghica C, MC Chifiriuc, Bleotu C, Chrisey DB, Functionalized magnetite silica thin films fabricated by MAPLE with antibiofilm properties, *Biofabrication*, 2013, 5 (1), 1088-1758.
30. Mihaiescu DE, Grumezescu AM, Andronescu E, Voicu G, Ficai A, Vasile OR, Bleotu C, Saviuc C, Prosthetic Devices with Functionalized antibiofilm surface based NanoAg@C18, *Current Organic Chemistry*, 17 (2), 105-112, 2013.
31. Prodan AM, Iconaru SL, Chifiriuc CM; Bleotu C; Ciobanu CS; Motelica-Heino M; Sizaret S; Predoi D, Magnetic Properties and Biological Activity Evaluation of Iron Oxide Nanoparticles, *Journal of Nanomaterials*, article Number:893970 DOI:10.1155/2013/893970, 2013.
32. Saviuc CM, Grumezescu AM, Bleotu C, Holban AM, Chifiriuc MC, Balaure P, Predan G, Lazar V, Culture methods versus flow cytometry for the comparative assessment of the antifungal activity of *Eugenia Caryophyllata* thunb. (Myrtaceae) essential oil, *FARMACIA*, 2013. 61 (5), 912-919.
33. Voicu G, Andronescu E, Grumezescu AM, Huang KS, Ficai A, Yang C-H, Bleotu C, Chifiriuc MC, Antitumor activity of magnetite nanoparticles: influence of hydrocarbonated chain of saturated aliphatic monocarboxylic acids, *Current Organic Chemistry*, 17, 831-840, 2013.
34. Badea M, Calu L, Chifiriuc MC, Bleotu C, Marin A, Ion S, Ionita G, Stanica N, Marutescu L, Lazar V, Marinescu D, Olar R, Badea M, Calu L, Chifiriuc MC, Bleotu C, Marin A, Ion S, Ionita G, Stanica N, Marutescu L, Lazar V, Marinescu D, Olar R, Thermal behaviour of some novel antimicrobials based on complexes with a Schiff base bearing 1,2,4-triazole pharmacophore, *Journal of Thermal Analysis and Calorimetry*, 2014, 118(2), 1145-1157.
35. Badea M, Patrascu F, Korosec RC, Bukovec P, Raita M, Chifiriuc MC, Marutescu L, Bleotu C, Velescu B, Marinescu D, Uivarosi V, Olar R, Thermal, spectral, magnetic and biologic characterization of new Ni(II), Cu(II) and Zn(II) complexes with a hexaazamacrocyclic ligand bearing ketopyridine moieties, *Journal of Thermal Analysis and Calorimetry*, 2014, 118(2), 1183-1193.
36. Bucur C, Badea M, Chifiriuc MC, Bleotu C, Iorgulescu EE, Badea IA, Grecu MN, Lazar V, Patriciu OI, Marinescu D, Olar R, Studies on thermal, spectral, magnetic and biological properties of new Ni(II), Cu(II) and Zn(II) complexes with a bismacrocyclic ligand bearing an aromatic linker, *Journal of Thermal Analysis and Calorimetry* (2014) 115:2179–2189, DOI 10.1007/s10973-013-3460-1, ISSN: 1388-6150 (print version); ISSN: 1588-2926 (electronic version);
37. Curutiu C, Chifiriuc MC, Iordache F, Bleotu C, Lazar V, Mogoanta CA, Popescu CR, Grigore R, Berteşteanu SV. Fluorescence analysis of apoptosis induced by *Pseudomonas aeruginosa* in endothelial cells. *Romanian Journal of Morphology and Embryology*. 55(2):313-317, 2014.
38. Grumezescu AM, Gestal MC, Holban AM, Grumezescu V, Vasile BS, Mogoanta L, Iordache F, Bleotu C, Mogoşanu GD. Biocompatible Fe₃O₄ increases the efficacy of amoxicillin delivery against Gram-positive and Gram-negative bacteria. *Molecules*. 2014, 19(4):5013-5027.
39. Grumezescu AM, Ghitulica CD, Voicu G, Huang KS, Yang CH, Ficai A, Vasile BS, Grumezescu V, Bleotu C, Chifiriuc MC. New silica nanostructure for the improved delivery of topical antibiotics used in the treatment of staphylococcal cutaneous infections. *International Journal of Pharmaceutics*. 463(2):170-176, 2014. ISSN: 0378-5173.
40. Grumezescu V, Holban AM, Grumezescu AM, Socol G, Ficai A, Vasile BS, Truscă R, Bleotu C, Lazar V, Chifiriuc CM, Mogosanu GD. Usnic acid-loaded biocompatible magnetic PLGA-PVA microsphere thin films fabricated by MAPLE with increased resistance to staphylococcal colonization. *Biofabrication*. 6(3):035002, (12pp) doi:10.1088/1758-5082/6/3/0350022014.
41. Grumezescu V, Socol G, Grumezescu AM, Holban AM, Ficai A, Trusca R, Bleotu C, Balaure PC, Cristescu R, Chifiriuc MC, Functionalized antibiofilm thin coatings based on PLA-PVA microspheres loaded with usnic acid natural compounds fabricated by MAPLE, *Applied Surface Science*, 2014, 302, 262-267, DOI10.1016/j.apsusc.2013.09.081
42. Holban AM, Bleotu C, Chifiriuc MC, Bezirtzoglou E, Lazar V. Role of *Pseudomonas aeruginosa* quorum sensing (QS) molecules on the viability and cytokine profile of human mesenchymal stem cells. *Virulence*. 5(2):303-310, 2014.
43. Ionescu D, Aldea IM, Mihele D, Bleotu C, Chivu Economescu M, Matei L, Rizea GD, Crisan I, Diaconu CC, Evaluation of Antiviral and Cytotoxic Activities of *Tamarix Gallica* and *Silybum Marianum* Extracts, *Farmacia*, 2014, 62(2), 329-340.
44. Olar R, Patrascu F, Chifiriuc MC, Iorgulescu EE, Bleotu C, Marutescu L, Lazar V, Marinescu D, Stanica N, Badea M, Insight on thermal, spectral, magnetic and biological behaviour of new Ni(II), Cu(II) and Zn(II) complexes with a pentaazamacrocyclic ligand derived from nicotinamide, *Journal of Thermal Analysis and Calorimetry*, 118(2), 1159-1168, 2014, DOI 10.1007/s10973-014-3864-6.
45. Popa CI, Andronescu E, Stoicea M, Le Coustumer P, Galaup S, Beuran M, Iordache FM, Telcian A, Bleotu C, Prodan AM, Fabrication, characterization, toxicity and biocompatibility evaluation of iron oxide nanoparticles, *Digest Journal of Manomaterils and Biostructure*, 9(1), 19 – 25, 2014.
46. Vlad M, Andronescu E, Grumezescu AM, Ficai A, Voicu G, Bleotu C, Chifiriuc MC. Carboxymethyl-cellulose/Fe₃O₄ nanostructures for antimicrobial substances delivery. *Biomedical Materials Engineering*. 24(3):1639-1646, 2014.
47. Voicu G, Anghel AG, Badea M, Bordei E, Crantea G, Gavrila RI, Grecu A, Jercan DA-M, Nicolae BC, Vochitoaia GC, Tchinda K, Holban AM, Bleotu C, Grumezescu AM. Silica network improve the effect of fludarabine and paclitaxel on HCT8 cell line. *Romomanian Journal of Morphology and Embryology*. 55(2 Suppl):545-551, 2014.
48. Voicu G, Crica LE, Fufa O, Moraru LI, Popescu RC, Purcel G, et al. Purcel G, Stoilescu MC, Grumezescu AM, Bleotu C, Holban AM, Andronescu E, Magnetite nanostructures functionalized with cytostatic drugs exhibit great anti-tumoral properties without application of high amplitude alternating magnetic fields. *Romanian Journal of Morphology and Embryology*. 55(2):357-362, 2014.

49. Bolocan A, Mihaiescu DE, Andronescu E, Voicu G, Grumezescu AM, Ficai A, Vasile BŞ, Bleotu C, Chifiriuc MC, Pop CS. Biocompatible hydrodispersible magnetite nanoparticles used as antibiotic drug carriers. *Romanian Journal of Morphology and Embryology*. 2015;56(2):365-370.
50. Botezatu A, Bleotu C, Nastase A, Anton G, Bacalbasa N, Duda D, Dima SO, Popescu I. Epigenetic Silencing of GNMT Gene in Pancreatic Adenocarcinoma. *Cancer Genomics Proteomics*. 2015, 12(1):21-30.
51. Calu L, Badea M, Chifiriuc MC, Bleotu C, David GI, Ionita G, Marutescu L, Lazar V, Stanica N, Soponaru I, Marinescu D, Olar R, Synthesis, spectral, thermal, magnetic and biological characterization of Co(II), Ni(II), Cu(II) and Zn(II) complexes with a Schiff base bearing a 1,2,4-triazole pharmacophore, *Journal of Thermal Analysis and Calorimetry*, 2015, 120(1), 375-386.
52. Croitoru CD, Mihaiescu DE, Chifiriuc MC, Bolocan A, Bleotu C, Grumezescu AM, Saviuc CM, Lazar V, Curutiu C, Efficiency of gentamicin loaded in bacterial polysaccharides microcapsules against intracellular Gram-positive and Gram-negative invasive pathogens, *Romanian Journal of Morphology and Embryology*, 2015, 56 (4), 1417-1421.
53. Dragu D, Necula L, Bleotu C, Diaconu CC, Chivu-Economescu M, Therapies targeting cancer stem cells: Current trends and future challenges, *World Journal Of Stem Cells*, 2015, 7(9), 1185-1201. DOI10.4252/wjsc.v7.i9.1185.
54. Dulamea AO, Sirbu-Boeti MP, Bleotu C, Dragu D, Moldovan L, Lupescu I, Comi G. Autologous mesenchymal stem cells applied on the pressure ulcers had produced a surprising outcome in a severe case of neuromyelitis optica. *Neural Regen Res*. 2015; 10(11):1841-5. doi: 10.4103/1673-5374.165325. PMID: 26807122
55. Janković A, Eraković S, Ristoscu C, Mihailescu Serban N, Duta L, Visan A, Stan GE, Popa AC, Husanu MA, Luculescu CR, Srdić VV, Janačković Dj, Mišković-Stanković V, Bleotu C, Chifiriuc MC, Mihailescu IN. Structural and biological evaluation of lignin addition to simple and silver-doped hydroxyapatite thin films synthesized by matrix-assisted pulsed laser evaporation. *Journal of Materials Science - Materials in Medicine*. 2015, 26(1):5333. doi: 10.1007/s10856-014-5333-y. PMID: 25578691
56. Badea, M., Vlaicu, I.D., Olar, R. *et al.* Thermal behaviour and characterisation of new biologically active Cu(II) complexes with benzimidazole as main ligand. *J Therm Anal Calorim* 118, 1119–1133 (2014). <https://doi.org/10.1007/s10973-014-3745-z>
57. Olteanu AA, Arama CC, Bleotu C, Lupuleasa D, Monciu CM, Investigation of cyclodextrin based nanosponges complexes with angiotensin i converting enzyme inhibitors (enalapril, captopril, cilazapril), *FARMACIA*, 2015, 63(4), 492-503.
58. Beuran M, Negoii I, Paun S, Ion AD, **Bleotu C (equal contribution)**, Negoii RI, Hostiuc S. The epithelial to mesenchymal transition in pancreatic cancer: A systematic review. *Pancreatolgy*. 2015, 15(3):217-25. doi: 10.1016/j.pan.2015.02.011.
59. Popa CL, Bartha CM, Albu M, Guegan R, Motelica-Heino M, Chifiriuc MC, Bleotu C, Badea ML, Antohe S. synthesis, characterization and cytotoxicity evaluation on zinc doped hydroxyapatite in collagen matrix, *Digest Journal of Nanomaterials and Biostructures*, 2015, 10(2), 681-691.
60. Balaure PC, Popa RA, Grumezescu AM, Voicu G, Rădulescu M, Mogoantă L, Bălşeanu TA, Mogoşanu GD, Chifiriuc MC, Bleotu C, Holban AM, Bolocan A. Biocompatible hybrid silica nanobiocomposites for the efficient delivery of anti-staphylococcal drugs. *International Journal of Pharmaceutics*. 2016, 510:532-542, 2016. FI: 3,994,. pii: S0378-5173(16)30246-0. doi: 10.1016/j.ijpharm.2016.03.037. PMID: 27032567
61. Delcaru C, Alexandru I, Podgoreanu P, Cristea VC, Bleotu C, Chifiriuc MC, Bezirtzoglou E, Lazar V. Antagonistic activities of some Bifidobacterium sp. strains isolated from resident infant gastrointestinal microbiota on Gram-negative enteric pathogens. *Anaerobe*. 2016, 39:39-44, FI: 2,424, doi: 10.1016/j.anaerobe.2016.02.010. PMID: 26921694
62. Floroian L, Ristoscu C, Mihailescu N, Negut I, Badea M, Ursutiu D, Chifiriuc MC, Urzica I, Dya HM, Bleotu C, Mihailescu IN: Functionalized Antimicrobial Composite Thin Films Printing for Stainless Steel Implant Coatings. *Molecules* 2016, 21(6) UNSP740.DOI10.3390/molecules21060740
63. Gingasu D, Mindru I, Mociuiu OC, Preda S, Stanica N, Patron L, Ianculescu A, Opreb O, Nita S, Paraschiv I, Popa M, Saviuc C, Bleotu C, Chifiriuc MC, Synthesis of nanocrystalline cobalt ferrite through soft chemistry methods: A green chemistry approach using sesame seed extract, *Materials Chemistry and Physics*, 2016, 182, 219-230.
64. Gionea A, Andronescu E, Voicu G, Bleotu C, Surdu VA. Influence of hot isostatic pressing on ZrO₂-CaO dental ceramics properties. *International Journal of Pharmaceutics*. 2016;510(2):439-448.
65. Iconaru SL, Turculet C, Le Coustumer P, Bleotu C, Chifiriuc MC, Lazar V, Surugiu A, Badea M, Iordache FM, Soare M, Prodan AM, Biological studies on dextrin coated iron oxide nanoparticles, *Romanian Reports in Physics*, 2016, 68(4), 1536-1544.
66. Mihailescu IN, Bociaga D, Socol G, Stan GE, Chifiriuc MC, Bleotu C, Husanu MA, Popescu-Pelin G, Duta L, Luculescu CR, Negut I, Hapenciuc C, Besleaga C, Zgura I, Miculescu F: Fabrication of antimicrobial silver-doped carbon structures by combinatorial pulsed laser deposition. *International Journal of Pharmaceutics* 515:592-606, 2016., FI: 3,994
67. Mihailescu N, Stan GE, Duta L, Chifiriuc MC, Bleotu C, Sopronyi M, Luculescu C, Oktar FN, Mihailescu IN. Structural, compositional, mechanical characterization and biological assessment of bovine-derived hydroxyapatite coatings reinforced with MgF₂ or MgO for implants functionalization. *Materials Science & Engineering C - Materials for Biological Applications*. 2016, 59:863-74. doi: 10.1016/j.msec.2015.10.078. PMID: 26652442,
68. Mustafa Yipel, Mihaela V. Ghica, Madalina G. Albu Kaya, Angela Spoiala, Marius Radulescu, Denisa Ficai, Anton Ficai, Coralia Bleotu and Nitipir Cornelia Multifunctional Materials for Cancer Therapy: From Antitumoral Agents to Innovative Administration, *Current Organic Chemistry*, 2016, 20(28): 2934 – 2948, DOI: 10.2174/1385272820666160919112919
69. Tudose M, Culita DC, MusucAM, Marinescu G, Somacescu S, Munteanu C, Bleotu C, Chifiriuc MC, Multifunctional Silver Nanoparticles-Decorated Silica Functionalized with Retinoic Acid with Anti-Proliferative and Antimicrobial Properties, *Journal of Inorganic and Organometallic Polymers and Materials*, 2016, 26(5), 1043-1052, DOI10.1007/s10904-016-0407-6.

70. Badea M, Bucur C, Chifiriuc MC, Bleotu C, Grecu MN, Lazar V, Marinescu D, Olar R: Insight on thermal behaviour of new complexes of Ni(II), Cu(II) and Zn(II) with a bismacrocyclic ligand developed as biologically active species. *Journal of Thermal Analysis and Calorimetry* 127(1), 487-497, 2017.
71. Chiru D, Mambet C, Matei L, Bleotu C, Ruta S, Diaconu CC. Delivering the “Blueprints” or “DNA Repairing Kits” Instead of Drugs in the Treatment of Congenital Hemoglobinopathies, *Current Organic Chemistry*, 2017; 21, 74-85, DOI: 10.2174/1385272820666160511122404.
72. Chivu-Economescu M, Dragu DL, Necula LG, Matei L, Enciu AM, Bleotu C, Diaconu CC: Knockdown of KRT17 by siRNA induces antitumoral effects on gastric cancer cells. *Gastric Cancer* 20:948-959, 2017.
73. Delcaru C, Podgoreanu P, Alexandru I, Popescu, Nela, Marutescu L, Bleotu C, Mogosanu GD, Chifiriuc MC, Gluck M, Lazar V, Antibiotic Resistance and Virulence Phenotypes of Recent Bacterial Strains Isolated from Urinary Tract Infections in Elderly Patients with Prostatic Disease, *PATHOGENS*, 2017, 6(2), 22 DOI 10.3390/pathogens6020022.
74. Holban AM, Bleotu C, Chifiriuc MC, Lazar V: Phenotypic and Genetic Evaluation of the Influence of *Pseudomonas aeruginosa* Culture Fractions on the Human Mesenchymal Stem Cells Viability, Apoptotic Pathways and Cytokine Profile. *Current Stem Cell Research & Therapy* 12 (2):175-180, 2017.
75. Marutescu L, Calu L, Chifiriuc MC, Bleotu C, Daniliuc CG, Falcescu D, Kamerzan CM, Badea M, Olar R: Synthesis, Physico-chemical Characterization, Crystal Structure and Influence on Microbial and Tumor Cells of Some Co(II) Complexes with 5,7-Dimethyl-1,2,4-triazolo 1,5-a pyrimidine. *Molecules* 22(7), 2017. pii: E1233. doi: 10.3390/molecules22071233.
76. Abbas H, Pitică-Aldea IM, Popescu C, Matei L, Dragu D, Economescu M, Alexiu I, Crișan I, Diaconu CC, **Bleotu C (equal contribution)**, Lupuleasa D. The antiviral/ virucidal effects of alcoholic and aqueous extracts with propolis from Oradea, Romania. *Farmacia*, 2017, 65 (6): 868- 876.
77. Mitache MM, Gheorghe I, Totea G, **Bleotu C (equal contributions)**, Curutiu C, Cochior D, Rusu E, Chifiriuc MC: Biochemical, virulence and resistance features in bacterial strains recovered from hospital surfaces after decontamination with quaternary ammonium compounds, triclosan and iodine disinfectants. *Revista de Chimie*, 2017, 68 (5), 997-1001. <https://doi.org/10.37358/RC.17.5.5597>.
78. Mihailescu IN, Bociaga D, Popescu-Pelin G, Stan GE, Duta L, Socol G, Chifiriuc MC, Bleotu C, Lazar V, Husanu MA, Zgura I, Miculescu F , Negut I, Hapenciuc C. Optimized silicon reinforcement of carbon coatings by pulsed laser technique for superior functional biomedical surfaces fabrication. *Biofabrication* 9(2):025029, 2017.
79. Olar R, Calu L, Badea M, Chifiriuc MC, Bleotu C, Velescu B, Stoica O, Ionita G, Stanica N, Silvestro L, Dulea C, Uivarosi V: Thermal behaviour of some biologically active species based on complexes with a triazolopyrimidine pharmacophore. *Journal of Thermal Analysis and Calorimetry* 127:685-696, 2017.
80. Olar R, Vlaicu ID, Chifiriuc MC, Bleotu C, Stanica N, Scaeteanu GV, Silvestro L, Dulea C, Badea M: Thermal behavior of new nickel(II) complexes with unsaturated carboxylates and heterocyclic N-donor ligands. *Journal of Thermal Analysis and Calorimetry* 127:731-741, 2017.
81. Saviuc C, Ciubuca B, Dinca G, Bleotu C, Drumea V, Chifiriuc MC, Popa M, Pircalabioru GG, Marutescu L, Lazar V: Development and Sequential Analysis of a New Multi-Agent, Anti-Acne Formulation Based on Plant-Derived Antimicrobial and Anti-Inflammatory Compounds. *International Journal of Molecular Sciences* 18, 2017.
82. Turcu I, Zarafu I, Popa M, Chifiriuc MC, Bleotu C, Culita D, Ghica C, Ionita P: Lipoic Acid Gold Nanoparticles Functionalized with Organic Compounds as Bioactive Materials. *Nanomaterials* 2017, 7(2), 43, DOI 10.3390/nano7020043
83. Zarafu I, Badea M, Ionita G, Ionita P, Paun A, Bucur M, Chifiriuc MC, Bleotu C, Olar R: Spectral, magnetic, thermal and biological studies on Ca(II) and Cu(II) complexes with a novel crowned Schiff base. *Journal of Thermal Analysis and Calorimetry* 127:1511-1521, 2017.
84. Badea M, Calu L, Korošin NČ, David IG, Chifiriuc MC, Bleotu C, Ionita G, Silvestro L, Maurer M, Ola R, Thermal behaviour of some biological active perchlorate complexes with a triazolopyrimidine derivative, *Journal of Thermal Analysis and Calorimetry*, 2018, 134(1): 665-677.
85. Mitache MM, Curutiu C, Gheorghe I, Lazar V, Bucur M, **Bleotu C (equal contributions)**, Cochior D, Rusu E, Chifiriuc CM, Phenotypic, Biochemical and Genotypic Characterisation of Some Factors Involved in the Virulence and Survival of Bacteria Isolated from Food and Food Processing Surfaces, *Revista de Chimie*, 69(1), 116-120, 2018. <https://doi.org/10.37358/RC.18.1.6055>.
86. Calu I, Badea M, Korosin NC, Chifiriuc MC, Bleotu C, Stanica N, Silvestro L, Maurer M, Olar R, Spectral, thermal and biological characterization of complexes with a Schiff base bearing triazole moiety as potential antimicrobial species, *Journal of Thermal Analysis and Calorimetry*, 2018, 134(3), 1839-1850. DOI 10.1007/s10973-018-7871-x
87. Duță LM, Ristoscu CG, Stan G, Hușanu MA, Beșleagă C, Chifiriuc MC, Bleotu C, Miculescu F, Mihăilescu N, Axente E, Badiceanu M, Mihăilescu IN, New bio-active, antimicrobial and adherent coatings of nanostructured carbon double reinforced with silver and silicon by Matrix Assisted Pulsed Laser Evaporation for medical applications, *Applied Surface Science*, 2018, 441, 871-883.
88. Gurgu H, Stefanescu E, Nuta DC, Caproiu MT, Dumitrascu F, Chifiriuc MC, Bleotu C, Nitulescu GM, Radulescu FS, Limban C, N-(1-adamantylcarbamothioyl)benzamides: synthesis, biological evaluation and adme predictions, *Farmacia*, 2018, 66 (6), 963-971. DOI 10.31925/FARMACIA.2018.6.6
89. Limban C, Missir AV, Caproiu MT, Grumezescu AM, Chifiriuc MC, Bleotu C, Marutescu L, Papacocea MT, Nuta DC. Novel Hybrid Formulations Based on Thiourea Derivatives and Core@Shell Fe₃O₄@C-18 Nanostructures for the Development of Antifungal Strategies. *Nanomaterials (Basel)* 2018, 8(1). pii: E47.

90. Mambet C, Necula L, Mihai S, Matei L, Bleotu C, Chivu-Economescu M, Stanca O, Tatic A, Berbec N, Tănase C, Diaconu CC. Increased Dkk-1 plasma levels may discriminate disease subtypes in myeloproliferative neoplasms. *Journal of Cellular and Molecular Medicine*. 2018, 22 (8), 4005-4011, doi: 10.1111/jcmm.13753.
91. Călinescu A, Turcu G, Nedelcu RI, Brinzea A, Hodoroagea A, Antohe M, Diaconu C, **Bleotu C (equal contribution)**, Pirici D, Jilaveanu LB, Ion DA, Badarau IA. On the dual role of Carcinoembryonic Antigen-Related Cell Adhesion Molecule 1 (CEACAM1) in Human Malignancies, *J Immunol Res*. 2018; 2018:7169081. doi: 10.1155/2018/7169081. eCollection 2018.
92. Chivu-Economescu M, Matei L, Necula LG, Dragu DL, **Bleotu C (equal contribution)**, Diaconu CC. New therapeutic options opened by the molecular classification of gastric cancer. *World J Gastroenterol*. 2018, 24 (18): 1942-1961. doi: 10.3748/wjg.v24.i18.1942.
93. Mambet C, Chivu-Economescu M, Matei L, Necula LG, Dragu DL, **Bleotu C (equal contribution)**, Diaconu CC. Murine models based on acute myeloid leukemia-initiating stem cells xenografting. *World J Stem Cells*. 2018, 10 (6): 57-65. doi: 10.4252/wjsc.v10.i6.57.
94. Scăețeanu G, Chifiriuc MC, Bleotu C, Kamerzan C, Măruțescu L, Daniliuc CG, Maxim C, Calu L, Olar R, Badea M. Synthesis, Structural Characterization, Antimicrobial Activity, and In Vitro Biocompatibility of New Unsaturated Carboxylate Complexes with 2,2'-Bipyridine. *Molecules*. 12;23(1). 2018. pii: E157. doi: 10.3390/molecules23010157.
95. Zarafu I, Badea M, Ioniță G, Chifiriuc MC, Bleotu C, Popa M, Ioniță P, Tatibouët A, Olar R, Synthesis, thermal, spectral and biological characterisation of copper(II) complexes with isoniazid-based hydrazones, *Journal of Thermal Analysis and Calorimetry* 2018, 134(3), 1851-1861. <https://doi.org/10.1007/s10973-018-7853-z>,
96. Antohe M, Nedelcu RI, Nichita L, Popp CG, Cioplea M, Brinzea A, Hodoroagea A, Calinescu A, Balaban M, Ion DA, Diaconu C, Bleotu C, Pirici D, Zurac SA, Turcu G. Tumor infiltrating lymphocytes: The regulator of melanoma evolution. *Oncol Lett*. 2019;17(5):4155-4161. doi: 10.3892/ol.2019.9940. PMID: 30944610; PMCID: PMC6444298.
97. Ciocilteu MV, Delcaru C, Chifiriuc MC, Manda C, Podgoreanu P, 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*, 2019, 67, 4, <https://doi.org/10.31925/farmacia.2019.4.4>
98. Duta L, Chifiriuc MC, Popescu-Pelin G, Bleotu C, Pircalabioru- Gradisteanu G, Anastasescu M, Achim A, Popescu A, Pulsed Laser Deposited Biocompatible Lithium-Doped Hydroxyapatite Coatings with Antimicrobial Activity, *Coatings* 2019, 9, 54; doi:10.3390/coatings9010054.
99. Neacsu IA, Arsenie LV, Trusca R, Ardelean IL, Mihailescu N, Mihailescu IN, Ristoscu C, Bleotu C, Ficai A, Andronescu E. Biomimetic Collagen/Zn²⁺-Substituted Calcium Phosphate Composite Coatings on Titanium Substrates as Prospective Bioactive Layer for Implants: A Comparative Study Spin Coating vs. MAPLE. *Nanomaterials (Basel)*. 2019;9(5):692. doi: 10.3390/nano9050692. PMID: 31058851; PMCID: PMC6566990.
100. Nedelcu RI, Balaban M, Turcu G, Brinzea A, Ion DA, Antohe M, Hodoroagea A, Calinescu A, Badarau AI, Popp CG, Cioplea M, Nichita L, Popescu S, Diaconu C, Bleotu C, Pirici D, Popescu R, Popescu CM, Zurac SA. Efficacy of methotrexate as anti-inflammatory and anti-proliferative drug in dermatology: Three case reports. *Exp Ther Med*. 2019;18(2):905-910. doi: 10.3892/etm.2019.7511. PMID: 31384322; PMCID: PMC6639959.
101. Patrinoiu G, Dumitru R, Culita DC, Munteanu C, Birjega R, Calderon-Moreno JM, Cucos A, Pelinescu D, Chifiriuc MC, Bleotu C, Carp O. Self-assembled zinc oxide hierarchical structures with enhanced antibacterial properties from stacked chain-like zinc oxalate compounds. *J Colloid Interface Sci*. 2019 Sep 15;552:258-270. doi: 10.1016/j.jcis.2019.05.051. PMID:31129297.
102. Tudose M, Anghel EM, Culita DC, Somacescu S, Calderon-Moreno J, Tecuceanu V, Dumitrascu FD, Dracea O, Popa M, Marutescu L, Bleotu C, Curutiu CC, Chifiriuc MC, Covalent coupling of tuberculostatic agents and graphene oxide: A promising approach for enhancing and extending their antimicrobial applications, *Applied Surface Science*, 2019, 471, 553-565. DOI10.1016/j.apsusc.2018.11.242
103. Tudose M, Culita D, Voicescu M, Musuc M, Kuncser AC, Bleotu C, Popa M, Marutescu L, Chifiriuc C, Nicolescu A, Deleanu C, Fluorescent coumarin-modified mesoporous SBA-15 nanocomposite: Physico-chemical characterization and interaction with prokaryotic and eukaryotic cells, *Microporous and Mesoporous Materials*, 288, 1 2019, 109583, <https://doi.org/10.1016/j.micromeso.2019.109583>.
104. Vasile OR, Andronescu E, Trușcă R, Vasile E, Holban AM, Chifiriuc MC, Iordache F, Maniu H, Bleotu C, Neacsu IA, Vasile BȘ. Structure-grain size-synthesis route of silver nanoparticles: a correlation with the cytotoxic effect. *Rom J Morphol Embryol*. 2019;60(2):617-628. PMID: 31658336.
105. Necula L, Matei L, Dragu D, Neagu AI, Mambet C, Nedeianu S, **Bleotu C (equal contribution)**, Diaconu CC, Chivu-Economescu M. Recent advances in gastric cancer early diagnosis. *World J Gastroenterol*. 2019 May 7;25(17):2029-2044. doi: 10.3748/wjg.v25.i17.2029. PMID: 31114131; PMCID: PMC6506585.
106. Vlaicu ID, Olar R, Maxim G, Chifiriuc MC, Bleotu C, Stănică N, Scăețeanu GV, Dulea C, Avram S, Badea M, Evaluating the biological potential of some new cobalt (II) complexes with acrylate and benzimidazole derivatives, *Appl Organometal Chem*. 2019;33:e4976. <https://doi.org/10.1002/aoc.4976>
107. Zarafu I, Badea M, Ionita G, Chifiriuc MC, Bleotu C, Popa M, Ionita P, Tatibouët A, Olar R, Thermal, spectral and biological characterisation of copper(II) complexes with isoniazid-based hydrazones, *J Thermal Analysis And Calorimetry*, 2019, 136, 5, 1977-1987, DOI: 10.1007/s10973-018-7853-z.

108. Bordei Telehoiu AT, Nuța DC, Căproiu MT, Dumitrascu F, Zarafu I, Ioniță P, Bădiceanu CD, Avram S, Chifiriuc MC, Bleotu C, Limban C. Design, Synthesis and In Vitro Characterization of Novel Antimicrobial Agents Based on 6-Chloro-9H-carbazol Derivatives and 1,3,4-Oxadiazole Scaffolds. *Molecules*. 2020;25(2):266. doi: 10.3390/molecules25020266. PMID: 31936505;PMCID: PMC7024163.
109. Burlibasa L, Chifiriuc MC, Lungu MG, Lungulescu EM, Mitrea S, Sbarcea G, Popa M, Marutescu L, Constantin N, Bleotu C, Hermenean A, Synthesis, physico-chemical characterization, antimicrobial activity and toxicological features of Ag-ZnO nanoparticles, *Arabian Journal of Chemistry*, 13 (2):2020 ,4180-4197 .
110. Gradinaru LM, Barbalata-Mandru M, Drobota M, Aflori M, Spiridon M, Gradisteanu Pircalabioru G, Bleotu C, Butnaru M, Vlad S. Preparation and Evaluation of Nanofibrous Hydroxypropyl Cellulose and β -Cyclodextrin Polyurethane Composite Mats. *Nanomaterials (Basel)*. 2020;10(4):754. doi: 10.3390/nano10040754. PMID: 32326486; PMCID: PMC7221721.
111. Limban C, Chifiriuc MC, Caproiu MT, Dumitrascu F, Ferbinteanu M, Pintilie L, Stefaniu A, Vlad IM, Bleotu C, Marutescu LG, Nuta DC. New Substituted Benzoylthiourea Derivatives: From Design to Antimicrobial Applications. *Molecules*. 2020;25(7):1478. doi: 10.3390/molecules25071478. PMID: 32218209; PMCID: PMC7180980.
112. Necula L, Matei L, Dragu D, Pitica I, Neagu AI, Bleotu C, Dima S, Popescu I, Diaconu CC, Chivu-Economescu M. High plasma levels of COL10A1 are associated with advanced tumor stage in gastric cancer patients. *World J Gastroenterol*. 2020;26(22):3024-3033. doi: 10.3748/wjg.v26.i22.3024. PMID: 32587446; PMCID: PMC7304107.
113. Nuța I, Badea M, Chifiriuc MC, et al. Synthesis, physico-chemical characterization and bioevaluation of Ni(II), Pd(II), and Pt(II) complexes with 1-(o-tolyl)biguanide: Antimicrobial and antitumor studies. *Appl Organomet Chem*. 2020;e5807. <https://doi.org/10.1002/aoc.5807>
114. Olar R, Badea M, Maxim C, Grumezescu AM, Bleotu C, Măruțescu L, Chifiriuc MC. Anti-biofilm Fe₃O₄@C18-[1,3,4]thiadiazolo[3,2-a-pyrimidin-4-ium-2-thiolate Derivative Core-shell Nanocoatings. *Materials (Basel)*. 2020;13(20):4640. doi: 10.3390/ma13204640. PMID:33080907; PMCID: PMC7603173.
115. Popa M, Măruțescu L, Oprea E, Bleotu C, Kamerzan C, Chifiriuc MC, Grădișteanu Pircalabioru G. In Vitro Evaluation of the Antimicrobial and Immunomodulatory Activity of Culinary Herb Essential Oils as Potential Periosteals. *Antibiotics (Basel)*. 2020;9(7):428. doi: 10.3390/antibiotics9070428. PMID: 32708120; PMCID: PMC7399839.
116. Popescu-Pelin, Gianina; Ristoscu, Carmen; Duta L, Stan GE, Pasuk I, Tite T, Stan MS, Bleotu C, Popa M, Chifiriuc MC, Oktar FN, Nicarel A, Mihailescu IN, Antimicrobial and Cytocompatible Bovine Hydroxyapatite-Alumina-Zeolite Composite Coatings Synthesized by Pulsed Laser Deposition from Low-Cost Sustainable Natural Resources, *ACS Sustainable Chemistry & Engineering* , 8 (10), 4026-4036, 2020.
117. Chivu-Economescu M, Necula LG, Matei L, Dragu DL, Neagu AI, Alexiu I, **Bleotu C (equal contribution)**, Diaconu CC. Gastrointestinal cancer stem cells as targets for innovative immunotherapy. *World J Gastroenterol*. 2020, 26(14):1580-1593. doi:10.3748/wjg.v26.i14.1580. PMID: 32327907; PMCID: PMC7167409.
118. Zarafu I, Matei L, **Bleotu C (co-first equal contribution)**, Ionița P, Tatibouët A, Păun A, Nicolau I, Hanganu A, Limban C, Nuta DC, Nemeș RM, Diaconu CC, Radulescu C. Synthesis, Characterization, and Biologic Activity of New Acyl Hydrazides and 1,3,4-Oxadiazole Derivatives. *Molecules*. 2020, 25(14):3308. doi: 10.3390/molecules25143308. PMID: 32708236; PMCID: PMC7396991.
119. Badea M, Grecu MN, Chifiriuc MC, Bleotu C, Popa M, Iorgulescu EE, Avram S, Uivarosi V, Munteanu AC, Ghica D, Olar R, Insight on Ni(II) and Cu(II) complexes of biguanide derivatives developed as effective antimicrobial and antitumor agents, *Applied Organometallic Chemistry*, 0268-2605, 2021, 35 (4), e6155, 10.1002/aoc.6155, WOS:000612685900001
120. Badica P, Batalu ND, Chifiriuc MC, Burdusel M, Grigoroscuta MA, Aldica G, Pasuk I, Kuncser A, Enculescu M, Popa M, Marutescu LG, Gheorghe I, Thamer O, Bleotu C, Gradisteanu Pircalabioru G, Operti L, Bonino V, Agostino A, Truccato M. MgB₂ powders and bioevaluation of their interaction with planktonic microbes, biofilms, and tumor cells, *Journal of Materials Research and Technology* 2021, 12, 2168-2184, doi.org/10.1016/j.jmrt.2021.04.003
121. Chivu-Economescu M, Necula L, Matei L, Dragu D, Bleotu C, Diaconu CC. Clinical Applications of Liquid Biopsy in Gastric Cancer. *Front Med (Lausanne)*. 2021;8:749250. doi: 10.3389/fmed.2021.749250. PMID: 34651002; PMCID: PMC8505538.
122. Fudulu A, Olar R, Maxim C, Scătețeanu GV, Bleotu C, Matei L, Chifiriuc MC, Badea M. New Cobalt (II) Complexes with Imidazole Derivatives: Antimicrobial Efficiency against Planktonic and Adherent Microbes and In Vitro Cytotoxicity Features. *Molecules*. 2020;26(1):55. doi: 10.3390/molecules26010055. PMID:33374438; PMCID: PMC7796409.
123. Gheorghe I, Avram I, Corbu VM, Marutescu L, Popa M, Balotescu I, Blajan I, Mateescu V, Zaharia D, Dumbrava AS, Zetu OE, Pecete I, Cristea VC, Batalu D, Grigoroscuta MA, Burdusel M, Aldica GV, Badica P, Datcu AD, Ianovici N, Bleotu C, Lazar V, Ditu LM, Chifiriuc MC, In Vitro Evaluation of MgB₂ Powders as Novel Tools to Fight Fungal Biodeterioration of Heritage Buildings and Objects, *Frontiers In Materials*, 2296-8016, 2021, 7, 601059, 10.3389/fmats.2020.601059, WOS:000615911800001
124. Neacsu IA, Leau SA, Marin S, Holban AM, Vasile BS, Nicoara AI, Ene VL, Bleotu C, Albu Kaya MG, Ficai A. Collagen-Carboxymethylcellulose Biocomposite Wound-Dressings with Antimicrobial Activity. *Materials (Basel)*. 2021;14(5):1153. doi: 10.3390/ma14051153. PMID: 33804421; PMCID: PMC7957653.
125. Negrila CC, Predoi D, Ghita RV, Iconaru SL, Ciobanu SC, Manea M, Badea ML, Costescu A, Trusca R, Predoi G, Stanciu GA, Hristu R, Dragu LD, Bleotu C, Groza A, Marinas IC, Chifiriuc MC, Multi-Level Evaluation of UV Action upon Vitamin D Enhanced, Silver Doped Hydroxyapatite Thin Films Deposited on Titanium Substrate, *COATINGS*, 2021, 11 (2), 120, 10.3390/coatings11020120, WOS:000622409300001.

126. Visan AI, Ristoscu C, Popescu-Pelin G, Sopronyi M, Matei CE, Socol G, Chifiriuc MC, Bleotu C, Grossin D, Brouillet F, Grill SL, Bertrand G, Zgura I, Cristescu R, Mihalescu IN. Composite Drug Delivery System Based on Amorphous Calcium Phosphate-Chitosan: An Efficient Antimicrobial Platform for Extended Release of Tetracycline. *Pharmaceutics*. 2021;13(10):1659. doi:10.3390/pharmaceutics13101659. PMID: 34683952; PMCID: PMC8537227.
127. Hotoboc IE, Fudulu A, Grigore R, Bertesteanu S, Huica I, Iancu IV, Botezatu A, **Bleotu C (equal contribution)**, Anton G. The association between lncRNA H19 and EZH2 expression in patients with EBV-positive laryngeal carcinoma. *Acta Otorhinolaryngol Ital*. 2021, 41(6):537-543. doi: 10.14639/0392-100X-N1527. Epub 2021 Nov 26. PMID:34825669; PMCID: PMC8686793.
128. Bala D, Jinga LI, Popa M, Hanganu A, Voicescu M, Bleotu C, Tarko L, Nica S. Design, Synthesis, and Biological Evaluation of New Azulene-Containing Chalcones. *Materials (Basel)*. 2022;15(5):1629. doi: 10.3390/ma15051629. PMID: 35268860; PMCID: PMC8911025.
129. Chivu-Economescu M, Bleotu C, Grancea C, Chiriac D, Botezatu A, Iancu IV, Pitica I, Necula LG, Neagu A, Matei L, Dragu D, Sultana C, Radu EL, Nastasie A, Voicu O, Ataman M, Nedeianu S, Mambet C, Diaconu CC, Ruta SM. Kinetics and persistence of cellular and humoral immune responses to SARS-CoV-2 vaccine in healthcare workers with or without prior COVID-19. *J Cell Mol Med*. 2022;26(4):1293-1305. doi: 10.1111/jcmm.17186. Epub 2022 Jan 18. PMID: 35043552; PMCID: PMC8831971.
130. Chivu-Economescu M, Necula LG, Matei L, Dragu D, Bleotu C, Sorop A, Herlea V, Dima S, Popescu I, Diaconu CC. Collagen Family and Other Matrix Remodeling Proteins Identified by Bioinformatics Analysis as Hub Genes Involved in Gastric Cancer Progression and Prognosis. *Int J Mol Sci*. 2022;23(6):3214. doi: 10.3390/ijms23063214. PMID: 35328635; PMCID: PMC8950589.
131. Dumitrascu F, Udrea AM, Caira MR, Nuta DC, Limban C, Chifiriuc MC, Popa M, Bleotu C, Hanganu A, Dumitrescu D, Avram S. In Silico and Experimental Investigation of the Biological Potential of Some Recently Developed Carprofen Derivatives. *Molecules*. 2022;27(9):2722. doi: 10.3390/molecules27092722. PMID: 35566083; PMCID: PMC9101252.
132. Stoica SI, Bleotu C, Ciobanu V, Ionescu AM, Albadi I, Onose G, Munteanu C. Considerations about Hypoxic Changes in Neuraxis Tissue Injuries and Recovery. *Biomedicines*. 2022;10(2):481. doi: 10.3390/biomedicines10020481. PMID:35203690; PMCID: PMC8962344.
133. Zarafu I, Limban C, Radulescu C, Dulama ID, Nuta DC, Chirita C, Chifiriuc MC, Badiceanu CD, Popa M, Bleotu C, Dragu LD, Stirbescu RM, Bucurica IA, Stanescu SG, Ionita P. Novel Structures of Functionalized Graphene Oxide with Hydrazide: Characterization and Bioevaluation of Antimicrobial and Cytocompatibility Features. *Coatings*. 2022; 12(1):45. <https://doi.org/10.3390/coatings12010045>

Brevete de invenții:

Acordate (5)

1. **Brevet de invenție Nr. 122638B1**; Inventatori: Limban C, Misir AV, Drăghici Bogdan, Chifiriuc MC, Bleotu C; Titlul: Tioureide N,N'-disubstituite ale acidului 2-(4-fluorofenoximetil)-benzoic. (BOPI 10/2009 International Patent Classification: C07C 335/04 și C07C 235/42).
2. **Brevet de invenție Nr. 123278B1**; Inventatori: Sasarman Elena, Chifiriuc MC, Pelinescu D-Roxana, Bleotu C, Vassu Tatiana, Stoica Ileana; Titlul: Procedeu de izolare, selecție și conservare a unei tulpini de *Lactobacillus paracasei* ssp. *Paracasei*, bacterie lactică pentru uz uman; BOPI 5/2011. International Patent Classification: C12N001/02; C12N001/20
3. **Brevet invenție Nr 129522B1**, Inventatori: Nitulescu GM, Aldea MA, Bleotu C, Matei L, Hirjau M, Velculescu BS, Olaru OT, Titlul: Antitumoral agents derives of N-(4-hidroxy-4-methyl-3-feniltiazolidin-3-iliden)-1-methyl-1H-pirazol-4-carboxamide. BOPI5/2019, International Patent Classification: C07D 403/12; C07D 417/12; A61P 35/00
4. **Brevet invenție Nr 132576B1**, Inventatori: Râpă Maria, Preda Petruța, Grosu Elena, Lungu Maria, Coroiu Viorica, Vasile Cornelia, Darie-Niță Raluca Nicoleta, Dumitriu Raluca Petronela, Chifiriuc Mariana Carmen, Bleotu Coralia, Titlul: Compoziție polimerice pentru obținerea unui tub de drenare urinar cu proprietăți antimicrobiene, și procedeu de obținere a acestuia; BOPI5/2019, International Patent Classification: C08G 63/08, A61F 2/04.
5. Brevet invenție **RO132002A0 (A/00927/28.11.2016)** Metoda de identificare a unor compusi cu activitate antitumorală pentru tratamentul individualizat al pacienților cu cancer pancreatic