

INFORMAȚII PERSONALE	BLEOTU CORALIA
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EXPERIENȚA PROFESIONALĂ

2018	Sef Departament Patologie Cellară și Moleculară
2019	Cercetator științific I
2014 - prezent	cercetator științific II
2006 – 2014	cercetator științific III
2003-2006	cercetător științific
1998 – 2003	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	cercetator științific III/II (partial)
2014 - prezent	Lector (partial) Universitatea din Bucuresti - Facultatea de Biologie, Catedra de Botanica si Microbiologie Aleea Portocalilor 1-3, 60101 Bucuresti, 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

	Studii postdoctorale Nivel 8 EQF 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)
2001-2008	Doctor în Medicină Nivel 8 EQF Academia Romana, Institutul de Virusologie Stefan S Nicolau Titlul tezei „Semnificația mecanismelor moleculare implicate în transformarea cu papilomavirusuri umane pentru monitorizarea unor cancere umane”
1992- 1997	Licenta in Biologie, Specializarea Genetica și Biologie Moleculară Nivel 6 EQF Universitatea din București, Facultatea de Biologie Titlul lucrării: Mutațiile și evoluția cancerului

COMPETENTE PERSONALE

Limba(i) maternă(e)	Română
Alte limbi străine cunoscute	Engleza
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/managerialle**

- **Coordonator Departament Patologie Celulară și Moleculară** (din 2018)
- **Coordonator în granturi și programe de cercetare: director de proiect: 3 proiecte** (2 GAR, 1 VIASAN); **responsabil de proiect: 8 proiecte** (1 VIASAN, 1 CEEX, 3 PNII, 3 PNIII)
- **Membu in echipa de cercetare: 67** programe cu finanțare internă și 7 programe cu finanțare externă. Participări la Conferințe/Congrese internaționale (40 ISI/ Clarivate Analytics) și la Conferințe/ Simpozioane Naționale cu/fără participare internațională (peste 100)
- **Expert științific** implementare activitate C și D în cadrul proiectului Cercetarea doctorala și postdoctorala prioritate a învățământului superior românesc (Doc-Postdoc) – POSDRU/159/1.5/S/137390
- **Membu mandatat 2012-2016** în Comisia profesională științifică, învățământ și legislație a ORDINUL BIOCHIMISTILOR, BIOLOGILOR ȘI CHIMISTILOR ÎN SISTEMUL SANITAR ÎN ROMANIA (OBBCSSR)

Membu al unor societăți profesionale: ARC (Romanian Association of Cytometry),

SRBBM (Societatea Română de Imunologie Societatea Română de Biochimie și Biologie Moleculară afiliată Federation of European Biochemical Societies),

SRI (Societatea Română de Imunologie afiliată European Federation of Immunological Societies);

Membu în Societatea Română de Chimie.

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**Competențe dobândite la locul
de muncă**

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: Advanced Concepts", 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, oranzizat 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 iregistrare: 1179/2009, formator acreditat Ministerul Sănătății

2010 - Educație medicală continuă: "Etapile diagnosticului de laborator în microbiologie " organizat de CALILAB în parteneriat cu OBBCSSR, București, Romania

2010 – Balkan Flow user's meeting, organizat de Novaintermed 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 bioinformatică 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 oranzizat 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

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.

- 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 si grafica computerizata (CorelDraw, Adobe))
- bune cunoștințe de utilizare a software-urilor biostatistice si bionformatic (GraphPad Prism)

INFORMATII
SUPLIMENTARE

Premii

2019_Premiul Fundației „Acad. Nicolae Cajal” pentru cercetare fundamentală-tineri cercetători- Gala Premiilor de Excelență Medica Academica 100, ediția a-III-a, 11 decembrie 2019

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

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

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

2008- Outstanding Abstract Award Dulămea A, Sirbu 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.

2007 – Premiul Anual al Societății Romane 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 *Shigella* și *Escherichia coli* enteroinvaziv cu celule HeLa”, „Demonstrarea localizării intracelulare a unor tulpini de *Staphylococcus aureus* și *Pseudomonas aeruginosa* în celulele nefagocitice” prezentate la a XI- Reuniriune Anuală de Microbiologie, 24-26 mai 2007, Mamaia, Romania.

Lista de publicații

Capitole 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 Boiculesc, 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: 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, Măruțescu L, Ion I, Kamezhan C, Bleotu C, Oprea E, Chifiriuc MC, Lazăr V, Chapter 14 - Antimicrobial and cytotoxic activity of graphene-based perioceuticals, pages 585-599, in *Fullerens, 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, Pages 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: 10.5772/intechopen.86062. Available from: <https://www.intechopen.com/online-first/programmed-cell-death-deregulation-in-bcr-abl1-negative-myeloproliferative-neoplasms>

Articole Cotate Clarivate -autor principal

1. Limban C, Balotescu Chifiriuc MC, Missir AV, Chiriță IC, Bleotu C, Antimicrobial Activity of Some New Thiourea Derivatives Derived from 2-(4-Chlorophenoxymethyl)benzoic Acid, *Molecules* 2008, 13 (3), 567-580.
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.
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.
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:10.4161/21505594.2014.973800
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.
6. Beuran M, Negoii I, Paun S, Ion AD, Bleotu C, Negoii RI, Hostiuc S. The epithelial to mesenchymal transition in pancreatic cancer: A systematic review. *Pancreatology*. 2015, 15(3):217-25. doi: 10.1016/j.pan.2015.02.011.
7. 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.
8. Ficai D, Sonmez M, Albu MG, Mihaiescu DE, Ficai 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>
9. Matei L, Bleotu C, Baciu 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.
10. 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: 10.1016/j.bmc.2015.07.010.
11. Georgescu M, Gheorghe I, Curutiu C, Lazar V, Bleotu C, Chifiriuc MC: Virulence and resistance features of *Pseudomonas aeruginosa* strains isolated from chronic leg ulcers. *BMC Infectious Diseases* 16 Suppl 1:92, 2016. DOI 10.1186/s12879-016-1396-3
12. 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.
13. Abbas H, Pitică-Aldea IM, Popescu C, Matei L, Dragu D, Economescu M, Alexiu I, Crișan I, Diaconu CC, Bleotu C (contributii egale), Lupuleasa D. The antiviral/ virucidal effects of alcoholic and aqueous extracts with propolis from Oradea, Romania. *Farmacia*, 2017, 65 (6): 868- 876.
14. Săndulescu O, Bleotu C (equal contribution), Matei L, Streinu-Cercel A, Oprea M, Drăgulescu EC, Chifiriuc MC, Răfăla A, Pirci D, Tălăpan D, Dorobăț OM, Neagu 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.
15. 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.
16. Călinescu A, Turcu G, Nedelcu RI, Brinzea A, Hodoroagea A, Antohe M, Diaconu C, Bleotu C (contributii egale), Pirci 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.
17. Chivu-Economescu M, Matei L, Necula LG, Dragu DL, Bleotu C (contributii egale), 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.
18. Mambet C, Chivu-Economescu M, Matei L, Necula LG, Dragu DL, Bleotu C (contributii egale), 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.
19. Necula L, Matei L, Dragu D, Neagu AI, Mambet C, Nedeianu S, Bleotu C, 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.

20. 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* 2019. doi:10.1016/j.arabjc.2015.12.006.
21. Chivu-Economescu M, Necula LG, Matei L, Dragu DL, Neagu AI, Alexiu I, Bleotu C, 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.
22. Vlad IM, Nuta DC, Chirita C, Caproiu MT, Draghici C, Dumitrascu F, Bleotu C, 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-(arylcarbonyl)-oximes Designed as Potential Antimicrobial Agents. *Molecules.* 2020 Jan 13;25(2):321. doi: 10.3390/molecules25020321. PMID: 31941125; PMCID:PMC7024208.
23. Vrancianu CO, Popa LI, Bleotu C, Chifiriuc MC. Targeting Plasmids to Limit Acquisition and Transmission of Antimicrobial Resistance. *Front Microbiol.* 2020,11:761. doi: 10.3389/fmicb.2020.00761. PMID: 32435238; PMCID: PMC7219019.
24. Zarafu I, Matei L, Bleotu C, Ionita P, Tatibouët A, Păun A, Nicolau I, Hanganu A, Limban C, 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.
25. 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:10.3389/fcell.2021.689962. PMID: 34552922; PMCID: PMC8451900.
26. Hotoboc IE, Fudulu A, Grigore R, Bertesteanu S, Huica I, Iancu IV, Botezatu A, Bleotu C, 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.
27. 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>
28. Petrisor G, Ficai D, Motelica L, Trusca RD, Bîrcă AC, Vasile BS, Voicu G, Oprea OC, Semenescu A, Ficai A, Popitui 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: 10.3390/nano12101648. PMID: 35630870; PMCID: PMC9147919.
29. 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: 10.3389/fmicb.2021.651081. PMID: 35126320; PMCID: PMC8810811.

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.
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Brevete de invenții:

Acordate (4)

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-metil-3-feniltiazolidin-3-iliden)-1-metil-1H-pirazol-4-carboxamide. BOP15/2019, 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; BOP15/2019, 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

Cereri brevete de invenție (4)

1. Cerere brevet invenție **A/00846/26.10.2018** - Procedeu de obținere a unui extract total concentrat de rostopască (*Chelidonium majus*) cu activitate antimicrobiană, antivirală, antitumorală și imunomodulatoare
2. Cerere brevet invenție **A/00854/30.10.2018** - Procedeu de obținere a unui extract total concentrat de cătină roșie (*Tamarix gallica*) cu activitate antimicrobiană, antivirală, imunomodulatoare și antiproliferativă
3. Cerere brevet invenție **A/01009/29.11.2018** - Procedeu de obținere a unor hidrogeluri compozite pe bază de colagen și nanoparticule de argint pentru prevenirea infecțiilor de plagă