

## Lista publicațiilor

### Articles published in international ISI journals

#### 2026

1. Costea, D. A., Badaluta, V. A., Magheran, L. I., Vasiliu, L. I., Ionascu, A., Kourkoutas, Y., ... & **Lazar, V.** (2026). Lactoferrin and Probiotic-Derived Supernatants as Adjuvants for Managing Multidrug-Resistant Opportunistic Infections. *Immunology and Microbiology*. <https://www.preprints.org/manuscript/202602.0143>. **I.F.= 1.8**

#### 2025

1. Alexandra Bădăluță, V., Ionascu, A., Ditu, L. M., Carmen, C., Holban, A. M., Oprea, E., ... & **Lazar, V.** (2025). Antimicrobial and immunomodulatory activity of natural bioactive compounds-an in vitro investigation with potential applications in managing Hidradenitis Suppurativa. *Frontiers in Immunology*, 16, 1608269. **I.F.=5.9**
2. Mihaela Asaftei, Massimiliano Lucidi, Stefan Razvan Anton, Denis E. Tranca, Radu Hristu, Aiguo Wu, Yigian Yang, George A. Stanciu, **Veronica Lazar**, Mariana Ionita, Gabriella Cincotti, Paolo Visca, Alina Maria Holban, Fang Yang, Stefan Stanciu, 2025, Antibacterial properties of cancer theranostic Zinc-doped iron oxide Zn<sub>x</sub>Fe<sub>3-x</sub>O<sub>4</sub> nanoparticles, *Materials Today Communications*, 44, 111962. **I.F.=3.7**
3. Cucu CI, Giurcăneanu C, Poenaru E, Popa LG, Popa MI, Chifiriuc MC, **Lazăr V**, Holban AM, Gheorghe-Barbu I, Muntean AA, Caracoti CȘ, Mihai MM, 2025, Phenotypic and Genotypic Bacterial Virulence and Resistance Profiles in Hidradenitis Suppurativa. *Int J Mol Sci*, 26(8):3502. doi: 10.3390/ijms26083502. **I.F.= 4.9**.
4. Mărutescu L, Enea A, Antoniadis NM, Neculae M, Costea DA, Popa M, Dragu E, Codrici E, Ristoiu V, Galateanu B, Hudita A, Gradisteanu Pircalabioru G, Filali-Mouhim A, Vifor Gabriel Bertesteanu S, **Lazăr V**, Chifiriuc C, Grigore R, Ancuta P., 2025, Humoral and Cellular Immune Responses to SARS-CoV-2 in Participants with Head and Neck Cancer. *Viruses*. 13;17(6):848. doi: 10.3390/v17060848. **I.F. = 3.5**.
5. Mitropoulou G, Karapantzou I, Tsimogiannis D, Oreopoulou V, **Lazăr V**, Kourkoutas Y, 2025, Inhibitory Effects of Essential Oils and Extracts of the Water-Steam Distillation Residues from Greek Herbs on Adherent Biofilm Formation by Common Pathogens. *Applied Sciences*. 2025; 15(6):3385. <https://doi.org/10.3390/app15063385>. **I.F.=2.5**

#### 2024

1. Mihai, M. M., Popa, M. I., Holban, A. M., Gheorghe-Barbu, I., Popa, L. G., Chifiriuc, MC., ... & **Lazăr, V.** (2024). Clinical and microbiological features of host-bacterial interplay in chronic venous ulcers versus other types of chronic skin ulcers. *Frontiers in Microbiology*, 14, 1326904. **I.F.=4.9**
2. Mihai, M.M.; Bălăceanu-Gurău, B.; Ion, A.; Holban, A.M.; Gurău, C.-D.; Popescu, M.N.; Beiu, C.; Popa, L.G.; Popa, M.I.; Dragomirescu, C.C.; .....and **V.Lazar**. Host–Microbiome Crosstalk in Chronic Wound Healing. *Int. J. Mol. Sci.* **2024**, 25, 4629. <https://doi.org/10.3390/ijms25094629>. **I.F.=4.9**
3. Bădăluță, V.A.; Curuțiu, C.; Dițu, L.M.; Holban, A.M.; **Lazăr, V.** Probiotics in Wound Healing. *Int. J. Mol. Sci.* **2024**, 25, 5723. <https://doi.org/10.3390/ijms25115723>. **I.F.=4.9**
4. Asaftei, M., Lucidi, M., Anton, S. R., Trompeta, A. F., Hristu, R., Tranca, DE, E.Fiorentis, C.Cirtoaje, **V.Lazar**, ... & Stanciu, S. G. (2024). Antibacterial Interactions of Ethanol-Dispersed Multiwalled Carbon Nanotubes with *Staphylococcus aureus* and *Pseudomonas aeruginosa*. *ACS omega*, 9(31), 33751-33764. **I.F.=4.4**.

#### 2023

1. **Lazar V**, Oprea E, Ditu L.-M., 2023, Resistance, Tolerance, Virulence and Bacterial Pathogen Fitness—Current State and Envisioned Solutions for the Near Future. *Pathogens*. 12(5):746. <https://doi.org/10.3390/pathogens12050746> **I.F.= 4.53**.
2. Trușcă, B.S., Gheorghe-Barbu, I., Manea, M., Ianculescu, E., Barbu, I.C., Mărutescu, L.G., Dițu, L.M., Chifiriuc, M.C., **Lazăr, V.**, 2023. Snapshot of Phenotypic and Molecular Virulence and Resistance Profiles in Multidrug-Resistant Strains Isolated in a Tertiary Hospital in Romania. *Pathogens*, 12(4), p.609. **I.F.= 4,53**.
3. Caragheorghopol, Ramona, Cătălin Țucureanu, **Veronica Lazăr**, Simin Aysel Florescu, Dragoș Stefan Lazăr, and Iuliana Caraș, 2023, Cerebrospinal fluid cytokines and chemokines exhibit distinct profiles in bacterial meningitis and viral meningitis. *Experimental and Therapeutic Medicine*, 25, no. 5 (2023): 1-10. **I.F.=2.75**.
4. Asaftei M, Lucidi M, Cirtoaje C, Holban AM, Charitidis CA, Yang F....**Lazar V** et al., 2023, Fighting bacterial pathogens with carbon nanotubes: focused review of recent progress. *RSC Adv.*, 13, 19682-94. DOI: [10.1039/D3RA01745A](https://doi.org/10.1039/D3RA01745A). **I.F.= 4.03**.
5. R Caragheorghopol, C Țucureanu, **V Lazăr**, I Caraș, 2023, Serum cytokine and chemokine profiles of patients with confirmed bacterial and viral meningitis. *Rev. Română de Medicină de Laborator*, 31(4):315-324. DOI:10.2478/rrlm-2023-0023. **I.F.= 1.027**.
6. Roman, Horațiu, Adelina-Gabriela Niculescu, **Veronica Lazăr**, and Mihaela Magdalena Mitache. 2023. "Antibacterial Efficiency of *Tanacetum vulgare* Essential Oil against ESKAPE Pathogens and Synergisms with Antibiotics" *Antibiotics*, 12 (11), 1635. <https://doi.org/10.3390/antibiotics12111635>. **I.F.=5.22**.

#### 2022

1. **Lazar V**, Holban AM, Curutiu C, Ditu LM. Modulation of Gut Microbiota by Essential Oils and Inorganic Nanoparticles: Impact in Nutrition and Health. *Front Nutr*. 2022 Jul 8;9:920413. doi: 10.3389/fnut.2022.920413.

- 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 Jan 20;12:651081. doi: 10.3389/fmicb.2021.651081. PMID: 35126320; PMCID: PMC8810811.
- Luc Tran Van, I Hagi, A Popovici, F Marinescu, I Gheorghe... , T. Şesan, **V. Lazar**, 2022, Antimicrobial Efficiency of Some Essential Oils in Antibiotic-Resistant *Pseudomonas aeruginosa* Isolates. *Plants*, Vol. 11, Issue 15, <https://doi.org/10.3390/plants11152003>.
- IM. Vasilescu, LM Dițu, C. Stancu, C. Bleotu, I. Macovei, **V. Lazăr**, 2022, *In vitro effects of human breast milk and two functional foods candidates on Clostridioides (Clostridium) difficile growth culture.* *RBL*, 81(2),97-106.

## 2021

- Gheorghe, Irina.....**V. Lazar**, Lia-Mara Ditu, MC Chifiriuc, 2021, *In vitro evaluation of MgB2 powders as novel tools to fight fungal biodeterioration of heritage buildings and objects.* *Frontiers in Materials*, section Biomaterials, *Front. Mater.*, 13 January 2021 | <https://doi.org/10.3389/fmats.2020.601059>.
- Gheorghe I., Cristea V.C., Marutescu L., Popa M., Murariu C., Trusca B.S., Borcan E., Ghita M.C., **Lazar V.**, Chifiriuc MC, 2019, Resistance and Virulence Features in Carbapenem-resistant *Acinetobacter baumannii* Community Acquired and Nosocomial Isolates in Romania, *Rev. de Chimie*,70(10): 3502-7. IF=1.755.
- Veronica Lazar**, AM Holban, C Curutiu, MC Chifiriuc, 2021, *Modulation of Quorum Sensing and biofilms in less investigated gram-negative ESKAPE pathogens.* *Frontiers in Microbiology*, section Antimicrobials, Resistance and Chemotherapy. <https://doi.org/10.3389/fmicb.2021.676510>
- Mihai Mara M, Ion A, Giurcăneanu C, Nițipir C, Popa AM, Chifiriuc MC, Popa MI..., **Lazăr V**, 2021, *The Impact of Long-Term Antibiotic Therapy of Cutaneous Adverse Reactions to EGFR Inhibitors in Colorectal Cancer Patients.* *J. Clin. Med.*, 10(15), 3219; <https://doi.org/10.3390/jcm10153219>
- Gheorghe, I., Barbu, I.C., Surleac, M., I. Sârbu, L.I. Popa, S. Paraschiv, Yu Feng, **V. Lazăr**, MC Chifiriuc, D. Oțelea & Zong Zhiyong 2021 Subtypes, resistance and virulence platforms in extended-drug resistant *Acinetobacter baumannii* Romanian isolates. *Sci Rep* **11**, 13288 (2021). Rayyif, S.M.I.; Mohammed, H.B.; Curuțiu, C.; Bîrcă, A.C.; Grumezescu, A.M.; Vasile, B.Ş.; Dițu, L.M.; **Lazăr, V.**; Chifiriuc, M.C.; Mihăescu, G.; Holban, A.M. ZnO Nanoparticles-Modified Dressings to Inhibit Wound Pathogens. *Materials* **2021**, *14*, 3084. <https://doi.org/10.3390/ma14113084>.

## 2020

- Mincu NB, **Lazar V**, Stan D, Mihăilescu CM, Iosub R and Mateescu AL, 2020, *Screen-Printed Electrodes (SPE) for In Vitro Diagnostic Purpose.* *Diagnostics*, 10(8), 517; <https://doi.org/10.3390/diagnostics10080517>
- Stroe Roxana, C. Mambet, A. Curici, F. Ivan, L. Alexa, C. Morjan, L. Matei, L.D. Dragu, **V. Lazar**, C. Bleotu, 2020, *Differential expression of NLRP3 inflammasome genes in HPV infected cervical cells.* *RBL*, 25 (5), 2020.
- Iancu, Alina V., G. Gurau, C. Dumitru, L. Baroiu, M.C. Chifiriuc, **V. Lazar**, M. Arbune, G. Coman, M. Drăganescu, 2020, *The Role of Cytokine in the Diagnosis and Monitoring of Patients with Systemic Infections.* *Revista de Chimie (Rev.chem)*, Vol.71 (Issue: 7), 455-463, <https://doi.org/10.37358/RC.20.7.8263>
- Oprea, G. Cristina, S. Dinu, Maria Damian, **V. Lazăr**, 2020, *Methods used for direct detection of Bordetella pertussis infections in Romania.* *Rom Biotechnol Lett.* 2020, 25(4): 1696-1670. doi: 10.25083/rbl/25.4/1696.1670
- Marinaș, Ioana-C., Eliza Oprea, M. Buleandra, C. Bleotu, Irinel A. Badea, P. Anastasiu, **V. Lazar**, I.D. Gardus, M.Carmen Chifiriuc, 2020, *Chemical, Antimicrobial, Antioxidant and Anti-proliferative Features of the Essential Oil Extracted from the Invasive Plant Solidago canadensis L.* *Revista de Chimie*, 71 (7), 2020, 255-264. <https://doi.org/10.37358/Rev.Chim.1949>.
- Scarlat IP, Stroe R, Dițu LM, Curuțiu C, Chiurtu Er, Stănculescu I, Chifiriuc Mc, **Lazăr V**. Evaluating the role of the working environment on to skin and upper respiratory tract microbiota of museum workers. *Rom Biotechnol Lett.* 2020; 25(6): 2103-2006. DOI: 10.25083/rbl/25.6/2103.2106.

## 2019

- Veronica Lazar**, Lia Mara Ditu, G.G. Pircalabioru, A. Picu, L. Petcu, MC Chifiriuc, *Gut microbiota, Host organism and Diet trialogue in diabetes and obesity.* *Frontiers in Nutrition*, section Food Microbiology. *Front. Nutr.*, 13 March 2019 | <https://doi.org/10.3389/fnut.2019.00021>. **I.F.= 4.019.**
- Gheorghe I., Cristea V.C., Marutescu L., Popa M., Murariu C., Trusca B.S., Borcan E., Ghita M.C., **Lazăr V.**, Chifiriuc M.C., 2019, Resistance and virulence features in carbapenem-resistant *Acinetobacter baumannii* community acquired and nosocomial isolates, *Romania Revista de Chimie*/10/3502-3507
- Sima F., Stratakos A., Ward P., Gundogdu O., Stef L., Pet I., Pet E., Pacala N., **Lazar V.**, 2019, Corcionivoschi N. *The effect of an antimicrobial mixture on Cryptosporidium.* *AgroLife Scientific Journal*/8/1/227-232.
- Stroe Roxana, Cristina Mambet, Antoanela Curici, Florentina Ivan, Lilia Alexa, Claudiu Morjan, V. Lazar, Coralia Bleotu, 2019, *The prevalence of hrHPV in a significant cohort of Romania women.* *RBL*, 2019 24(1): 75-81 doi: 10.25083/rbl/24.1/75.81.
- Radulescu Clara, Gheorghe I., ...Lazar, V., 2019, Molecular characterization based on Internal Transcribed Spacer (ITS) marker sequence of fungal strains isolated from heritage ethnographic textiles. *RBL*, 24(5): 906-912, doi: 10.25083/rbl/24.5/906.912

## 2018

- Veronica Lazar**, Lia-Mara Ditu, Gratiela Pircalabioru, Irina Gheorghe, Carmen Curutiu, Alina Maria Holban, Carmen Mariana Chifiriuc, 2018, *Aspects of gut microbiota and immune system interactions in infectious diseases, immunopathology and cancer.* *Frontiers in Immunology*, section Nutritional Immunology, 2018, 9: 1830. doi: 10.3389/fimmu.2018.01830. **I.F.=5.511.**

2. Filip Sima, Alexandros Stratakos, Patrick Ward, Mark Linton, Carmel Kelly, Laurette Pinkerton, Lavinia Stef, Ozan Gundogdu, **Veronica Lazar**, Nicolae Corcionivoschi, 2018, *A novel natural antimicrobials can reduce the in vitro and in vivo pathogenicity of T6SS positive Campylobacter jejuni and Campylobacter coli chicken isolates*. *Frontiers in Microbiology*, section Food Microbiology. <https://doi.org/10.3389/fmicb.2018.02139>. I.F.=4.019
3. L Duta, C Ristoscu, GE Stan, MA Husanu, C Besleaga, MC Chifiriuc, **Lazar V.**, .....  
*New bio-active, antimicrobial and adherent coatings of nanostructured carbon double-reinforced with silver and silicon by Matrix-Assisted Pulsed Laser Evaporation*. *Applied Surface Science* 441, 871-883
4. Mihalache (Radu), Mihaela Raluca, AC Ratiu, A Neagu, **V Lazar**, ...*Expression profiles of genes involved in mannose metabolism are modulated during experimental infection of Drosophila melanogaster males with Pseudomonas aeruginosa*. *ROMANIAN BIOTECHNOLOGICAL LETTERS* 23 (1), 13225-34.
5. MM Mitache, C Curutiu, I Gheorghe, **V Lazar**, M Bucur, C Bleotu, ..., *Phenotypic, Biochemical and Genotypic Characterisation of Some Factors Involved in the Virulence and Survival of Bacteria Isolated from Food and Food Processing*.... *REVISTA DE CHIMIE* 69 (1), 116-120. I.F.=1.412.
6. Iuliana Porumbel, Mihaela Chelariu, Irina Gheorghe, Carmen Curutiu, Marcela Popa, Cristina Delcaru, Mirela Grosu, Raluca Grigore, Serban Bertesteanu, **V. Lazar**, Tatiana Vassu Dimov, 2018, *Genotypic characterization of virulence and resistance markers in ESBL positive Escherichia coli strains isolated from ambulatory urinary tract infections*. *ROMANIAN BIOTECHNOLOGICAL LETTERS*, Vol.23 (3): 13572-80.
7. Carmen Curutiu, F. Iordache, **V. Lazar**, Aurelia M. Pisoschi, Aneta Pop, Mariana C. Chifiriuc, Alina M. Hoban, 2018, *Impact of Pseudomonas aeruginosa quorum sensing signaling molecules on adhesion and inflammatory markers in endothelial cells*. *Beilstein Journal of Organic Chemistry*, Vol. 14 (1): 2580-2588. AIS=0,432;Q2
8. Y Kourkoutas, N Chorianopoulos, **V Lazar**, P Di Ciccio, 2018, Editorial Article of the Special Issue: *Bioactive Natural Products*, 3 pages, in *BioMed Research International J.*, 2018, ID 5063437. <https://www.hindawi.com/journals/bmri/2018/5063437/>
9. Haifaa Bawie Najee, Dunya Alkurjia, O. Almahdawy, Crina Kamerzan, Luminita Marutescu, Irina Gheorghe, Popa Marcela, Mariana C. Chifiriuc, **V.Lazăr**, 2018, *Antimicrobial Activity of Olea europaea Fatty Oil against Multi-Drug Resistant and Biofilm Forming Microorganisms*. *Notulae Scientia Biologicae*, Vol.10 (4): 498-502. **.IF=1.1; AIS=0,204**

## 2017

1. Crina Saviuc, Bianca Ciubuca, Gabriela Dinca, Coralia Bleotu, Veronica Drumea, M.Carmen Chifiriuc, Marcela Popa, Gratiela Pircalabioru, Luminita Marutescu, Veronica Lazar, 2017, *Development and Sequential Analysis of a New Multi-Agent, Anti-Acne Formulation Based on Plant-Derived Antimicrobial and Anti-Inflammatory Compounds*. *Int. J. Mol. Sci.* 2017, 18, 175; doi:10.3390/ijms18010175 (**I.F.= 3,257**).
2. Truşcă B.S., Gheorghe I., Marutescu L., Curutiu C., Marinescu F., Ghiţă C.M., Borcan E., Ţuică L., Minciuna V., Gherghin H.E., Chifiriuc M.C., **Lazar V.** Beta-lactam and quinolone resistance markers in uropathogenic strains isolated from renal transplant recipients. *Revista Romana de Medicina de Laborator/ Nr. 25(4):365-374*.
3. Chelariu M., Grosu M., Gheorghe I., Gradisteanu G., Picu A., Petcu L., Popa M., Chifiriuc M.C., Ditu L.M., **Lazar V.**, Vassu Dimov T. Host metabolic syndrome can disrupt the intestinal microbiota and promote the acquisition of resistance and virulence genes in Enterobacteriaceae stains. *Rom. Biotechnological Letters*, Vol. 22 (3): 12643-50.
4. Calin M., Constantinescu-Aruxandei D., Alexandrescu E., Raut I., Doni M.B., Arsene M.L., Oancea F., Jecu L., **Lazar V.** Degradation of keratin substrates by keratinolytic fungi. *ELECTRONIC J. OF BIOTECH.* 28/101-112. I.F.=1.54.
5. Holban A., Bleotu C., Chifiriuc M., **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. I.F.=1.71.
6. Nica IC, Stan MS, Popa M, Chifiriuc MC, **Lazar V**, Pircalabioru GG, Dumitrescu I, Ignat M, Feder M, Tanase LC, Mercioniu I, Diamandescu L, Dinischiotu A. Interaction of New-Developed TiO<sub>2</sub>-Based Photocatalytic Nanoparticles with Pathogenic Microorganisms and Human Dermal and Pulmonary Fibroblasts. *Int. J. Mol. Sci.*, 18(2), 249.
7. Stan MS, Nica IC, Dinischiotu A, Varzaru E, Iordache OG, Dumitrescu I, Popa M, Chifiriuc MC, Pircalabioru GG, **Lazar V**, Bezirtzoglou E, Feder M, Diamandescu L. Photocatalytic, Antimicrobial and Biocompatibility Features of Cotton Knit Coated with Fe-N-Doped Titanium Dioxide Nanoparticles. *Materials (Basel)*. 2016 Sep 21;9(9)
8. Nica I.C., Stan M.S., Popa M., Chifiriuc M.C., Pircalabioru G.G., **Lazar V.**, Dumitrescu I., Diamandescu L., Feder M., Baibarac M., Cernea M., Maraloiu V.A., Popescu T., Dinischiotu A. Development and Biocompatibility Evaluation of Photocatalytic TiO<sub>2</sub>/Reduced Graphene Oxide-Based Nanoparticles Designed for Self-Cleaning Purposes. *Nanomaterials (Basel)*. 2017 Sep 19;7(9).
9. Stan M.S., Chifiriuc M.C., **Lazăr V.**, Dinischiotu A. Interaction of New-Developed TiO<sub>2</sub>-Based Photocatalytic Nanoparticles with Pathogenic Microorganisms and Human Dermal and Pulmonary Fibroblasts *International Journal of Molecular Sciences* 25;18(2). pii: E249.
10. Gheorghe I., Tatu A.L., Lupu I., Thamer O., Cotar A.I., Pircalabioru G., Popa M., Cristea V.C., **Lazar V.**, Chifiriuc M.C. Molecular characterization of virulence and resistance features in Staphylococcus aureus clinical strains isolated from cutaneous lesions in patients with drug adverse reactions. *Rom. Biotechnological Letters* 22(1):12321-12327.
11. Mihailescu I.N., Bociaga D., Popescu-Pelin G., Stan G.E., Duta L., Socol G., Chifiriuc M.C., Bleotu C., **Lazar V.**, Husanu M.A., 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

12. Bleotu C., Chifiriuc M.C., Mircioaga D., Sandulescu O., Aldea I.M., Banu O., Ion D., Diaconu C.C., **Lazar V., 2017**, The influence of nutrient culture media on Escherichia coli adhesion and biofilm formation ability. *Rom.Biotechn. Letters*, 22 (2), 12483-12491
13. Georgescu M., Chifiriuc M., Măruțescu L., Gheorghe I., **Lazăr V.**, Bolocan A., Berteșteanu S. Bioactive Wound Dressings for the Management of Chronic Wounds. *Current Organic Chemistry/* 21(1)/53-63(11).
14. Badea M., Bucur C., Chifiriuc M.C., Bleotu C., Grecu M.N., **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. *Rom. Biotech. Letters*, Vo.22, 2017).
15. Delcaru Cristina, Podgoreanu P., Alexandru I., Popescu N., .....**Lazar, V.**, 2017, *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; <https://doi.org/10.3390/pathogens6020022>
16. O Sadik, LM Ditu, I Gheorghe, G Gradisteanu Pircalaboru, C Bleotu, O Banu, N Merezeanu, AC Lupu, **V Lazar**, MC Chifiriuc, 2017, Adherence and Biofilm Formation in Candida albicans Strains Isolated from Different Infection Sites in Hospitalized Patients. *Revista de Chimie* (Bucharest), 68 (12), 2832. I.F.=1,77.

## 2016

1. Stan, Teodora, L.Măruțescu, M.C.Chifiriuc, **V. Lazăr**, 2016, Anti-pathogenic effect of propolis extracts from different Romanian regions on *Staphylococcus* sp. clinical strains, *Rom. Biotech. Letters*, **21(1)**:11166-75. (I.F.=**0,412**)
2. Saviuc, Crina, Irina Gheorghe, Sorina Coban, Veronica Drumea, Mariana-Carmen Chifiriuc, Otilia Banu, **Veronica Lazăr**, 2016. *Rosmarinus Officinalis Essential Oil and Eucalyptol Act as Efflux Pumps Inhibitors and Increase Ciprofloxacin Efficiency against Pseudomonas Aeruginosa and Acinetobacter Baumannii MDR Strains*. *Rom. Biotechn. Letters*, Vol. 21(4): 11782-90. (I.F.= **0,412**)
3. Delcaru, Cristina, Alexandru I, Podgoreanu P, Cristea VC, Bleotu C, Chifiriuc MC, Bezirtzoglou E., **Lazar Veronica**, 2016, *Antagonistic activities of some Bifidobacterium sp. strains isolated from resident infant gastrointestinal microbiota on Gram-negative enteric pathogens*. *Anaerobe*, **39**: 39-44, doi:10.1016/j.anaerobe.2016.02.010. (I.F.= **2,742**)
4. Cristea, A.D., C.T. Preoteasa, M.Popa, L. Marutescu, MC Chifiriuc, I.Gheorghe, **V. Lazar**, A.A. Iliescu, P.Perlea, G.F. Moldoveanu, I. Suciuc, 2016, *In Vitro Testing of Susceptibility to Endodontic Irrigants and Disinfectants of Bacterial Strains Isolated from Chronic Apical Periodontitis*. *Rom. Biotechn. Letters*, **21(1)**: 11217-224. I.F.=**0,412**).
5. Czobor, I., Novais, Â., Rodrigues, C., Chifiriuc, M.C., Mihăescu, G., **Lazăr, V.**, Peixe, L. *Efficient transmission of IncFII<inf>Y</inf> and IncL plasmids and Klebsiella pneumoniae ST101 clone producing OXA-48, NDM-1 or OXA-181 in Bucharest hospitals*. *International J. of Antimicrobial Agents*, 2016, 48, 2, 223-4 (I.F.= **4,27**).
6. Cristea, Violeta C., Irina Gheorghe, G. Neacșu, R. Gâlcă, Ilda Czobor, Ionela Alexandru, MC Chifiriuc, **Veronica Lazăr**, M.I. Popa, *Staphylococcus* sp. *Involvement in Community Acquired Urinary Tract Infections*. *Rom. Biotech. Letters*, **21(2)**: 11413-17. I.F.=**0,412**)
7. Suciuc, Ioana, C. Vârlan, B. Dimitriu, Olga Sorițău, Oana Amza, G.F. Moldoveanu, M. Burlibașa, Irina Gheorghe, **V. Lazar**, Irina Gheorghiu, 2016, *Biocompatibility Study of Several Esthetic Dental Restorative Materials*. *Rom. Biotechn. Letters*, **21(1)**: 11438-442. (I.F.=**0,412**)
8. Georgescu Mihaela, Gheorghe Irina, Curutiu Carmen, **Lazar Veronica**, Bleotu Coralia, Chifiriuc Mariana-Carmen. 2016. "Virulence and resistance features of Pseudomonas aeruginosa strains isolated from chronic leg ulcers." *BMC infectious diseases* 16 Suppl 1: 92. doi:10.1186/s12879-016-1396-3 (I.F.=**2,69**).
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## Abstracts presented in ISI congresses / meetings

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## Patents

License of invention (delivered by OSIM-Romania)- 5 patents: 2 as first author (1, 2) and 3 as coauthor (3, 4, 5):

1. **Brevet inventie nr. 123145/ 30.12.2010** (submitted to OSIM –A/1089/ 28.12.2005 and published as abstract – 29.06.07):

Title: *Method for the determination of the susceptibility to antimicrobials of bacterial biofilms in liquid medium.*

Authors: **Lazar, Veronica**, Balotescu, Carmen, Cernat, Ramona, Bulai, Doina.

2. **Brevet inventie nr. 123145/ 30.12.2010** (submitted to OSIM –A/1090/ 28.12.2005 and published as abstract – 29.06.07):

Title: *Method for the determination of the susceptibility to antimicrobials of microbial biofilms developed in agar matrix.*

Authors: **Lazar, Veronica**, Balotescu, Carmen, Cernat, Ramona, Bulai, Doina.

3. **Brevet inventie nr. 122017 / 28.11.2008**; The decision – published in **Official Journal of Industrial Property, Section Licenses** nr. 11/ 2008. License title: *Nanostructured biomaterial, based on magnetic nanoparticles and hydrogel and the process of its obtainance.*

Authors: Eugenia Teodor, **Veronica Lazăr**, Mihaela Mihalache, Cristian Petcu.

4. **Brevet inventie nr. 122181/ 27.02.2009** (submitted to OSIM – A/00220 – 10.03.2005); The decision – published in **Official Journal of Industrial Property, Section Licenses** nr. 2/ 2009. License title: *Hydrogel produced by natural compounds for the regeneration of damaged dermic tissue.*

Authors: Moldovan Lucia, Alexandru Valentina, Craciunescu Oana, **Lazar Veronica**, Balotescu C.

5. **Brevet inventie nr. 132298/ 19.08.2014**; (**Publication: 28.02.2019**; **BOPI nr.12/2017**).

License title: *Method for obtaining zinc oxide composite materials with bacteriostatic and bactericidal properties*

Authors: Visinescu Diana Beatrice, Cucos Paula, Calderon-Moreno Jose-Maria, Socoteanu Greta M., Musuc A.M., Culita DC, Ene Cristian D., Chifiriuc MC, Pelinescu Diana, , **Lazar Veronica**, Carp Oana.

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