

Articles -in ISI journals

2020

1. Mincu NB, **Lazar V**, Stan D, Mihailescu 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>
2. 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*. *Rom. Biotech. Letters*, Vol. 25, Issue 5/2020.

2019

1. **Veronica Lazar**, Lia Mara Ditu, G.G. Pircalabioru, A. Picu, L. Petcu, MC Chifiriuc, *Gut microbiota, Host organism and Diet triologue 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**.
2. 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
3. Podgoreanu P., Negrea S.M., Buia R., Delcaru C., Trusca S.B., **Lazar V.**, Chifiriuc M.C. *Alternative strategies for fighting multidrug resistant bacterial infections*. *Biointerface Res. Appl. Chem.*/ 9/1/3834-3841.
4. Sima F., Stratakos A., Ward P., Gundogdu O., Stef L., Pet I., Pet E., Pacala N., **Lazar V.**, Corcionivoschi N. *The effect of an antimicrobial mixture on Cryptosporidium*. *AgroLife Scientific Journal*/8/1/227-232.
5. 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*. *Rom. Biotech. Letters*, 2019 24(1): 75-81 doi: 10.25083/rbl/24.1/75.8.

2018

1. Ruginescu R. M. , Roxana Cojoc, M. Enache, **Veronica Lazar**, 2018, *Preliminary Characterization of a Cellulase Producing Bacterial Strain Isolated from a Romanian Hypersaline Lake*. **J. Environmental Protection**. Vol. 9 (10), p.1066, 2018, DOI: 10.4236/jep.2018.910066.
2. Ruginescu R. M. , Roxana Cojoc, M. Enache, **Veronica Lazar**, 2018, *Halotolerant bacteria with cellulolytic activity isolated from a hypersaline natural lake located in Romania*. *Proceedings of the Internat. Scient. Conf. on Microbial Biotechn, 4th Ed., Chisinau, Moldova, Oct. 11-12, 2018, p. 117-119*.
3. **Veronica Lazar**, Carmen Curutiu, Ditu Lia-Mara, Alina Holban, Irina Gheorghe, Florica Marinescu, Mihaela Ilie, A. Ivanov, D. Dobre, Mariana C. Chifiriuc, 2017, *Physico-Chemical and Microbiological Assessment of Organic Pollution in Plain Salty Lakes from Protected Regions*. **J. Env. Protection**, Vol.8 (12), DOI: 10.4236/jep.2017.812091
4. **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**.
5. 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**
6. C Opran, **V Lazar**, RC Fierascu, LM Ditu, 2018, *Research regarding biodegradable properties of food polymeric products under microorganism activity*. *AIP Conference Proceedings* 1932 (1), 030029.
7. 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.
8. 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.
9. 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.

10. 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.

11. 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.

12. Haifaa Najee, Irina Gheorghe, Gratiela Gradisteanu Pircalabioru, Mariana Carmen Chifiriuc, **Veronica Lazar**, 2018, *Genotypic characterization of adhesion and biofilm development genes in Candida albicans strains isolated from different clinical specimens*. BIOINTERFACE RESEARCH IN APPLIED CHEMISTRY, Vol. 8 (5), p. 3590-93.

13. 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*. Journal Notulae Scientia Biologicae, Vol.10 (4): 498-502.

14. 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/>

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. **Lazar V.**, Curutiu C., Ditu L. M., Holban H., Gheorghe I. Marinescu F., Ilie M., Ivanov A., Dobre D., Chifiriuc M.C. Physico-Chemical and Microbiological Assessment of Organic Pollution in Plain Salty Lakes from Protected Regions J. Environmental Protection, Vol.8 (12): 1474-1489.
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4. Curutiu C., Ditu L.M., Iordache F., Bleotu C., Chifiriuc M.C., **Lazar V.**, Păduraru D.N., Holban A.M. Quorum Sensing molecules produced by Pseudomonas aeruginosa impair attachment and biofilm formation in Candida albicans Biointerface Research in Applied Chemistry/ Volume 7(2): 2016-20.
5. 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. Romanian Biotechnological Letters, Vol. 22 (3): 12643-50.
6. 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 JOURNAL OF BIOTECHNOLOGY/ Vol. 28/101-112
7. 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
8. Nica I.C., Stan M.S., Popa M., Chifiriuc M.C., **Lazar V.**, Pircalabioru G.G., Dumitrescu I., Ignat M., Feder M., Tanase L.C., Mercioniu I., Diamandescu L., Dinischiotu A. Interaction of New-Developed TiO₂-Based Photocatalytic Nanoparticles with Pathogenic Microorganisms and Human Dermal and Pulmonary Fibroblasts. International Journal of Molecular Science/18(2)/ 249.
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14. 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
15. 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).
16. 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 bismacrocylic ligand developed as biologically active species. *Journal of Thermal Analysis and Calorimetry/* 127(1):487-497.
17. Mirela Grosu, Mihaela Chelariu, Irina Gheorghe, Carmen Curutiu, Marcela Popa, Cristina Delcaru, Iuliana Porumbel, Raluca Grigore, S. Bertesteanu, **V. Lazar**, Tatiana Vassu Dimov, 2017, *Genotypic characterization of virulence and resistance markers in ESBL positive E. coli strains isolated from ambulatory urinary tract infections* (Rom. Biotech. Letters, Vo.22, 2017).

2016

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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.= 2,424**)
4. Cristea, Anca Diana, C.T. Preoteasa, Marcela Popa, L. Marutescu, MC Chifiriuc, Irina Gheorghe, **Veronica Lazar**, A.A. Iliescu, Paula Perlea, G. F. Moldoveanu, Ioana Suci, 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 (**IF= 4,27**).
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