

LIST OF PUBLICATIONS

1. “Vibrational spectral analysis of Sorafenib and its molecular docking study compared to other TKIs”, Laurențiu STĂNCIOIU, Ana Maria Raluca GHERMAN, Ioana BREZEȘTEAN, Nicoleta Elena DINA, Journal of Molecular Structure, 2022, 1248, 131507, DOI: 10.1016/j.molstruc.2021.131507
2. “Spectroscopic investigation of exopolysaccharides purified from *Arthrospira plantensis* cultures as potential bioresources”, Ioana BREZEȘTEAN, Maricel BOCĂNEALĂ, Ana Maria Raluca GHERMAN, Sebastian Alin PORAV, Irina KACSÓ, Elena Rakosy-Tican, Nicoleta Elena DINA, Journal of Molecular Structure, 2021, 1246, 131228, DOI: 10.1016/j.molstruc.2021.131228
3. “Finding specific spectral features for surface-enhanced Raman response of *Enterococcus faecalis* assisted by multivariate analysis when using common silver sols”, Laurențiu STĂNCIOIU, Ana Maria Raluca GHERMAN, Nicoleta Elena DINA, Rom. Rep. Phys., 2021, 73, 4, 604
4. “Fuzzy characterization and classification of bacteria species detected at single-cell level by surface-enhanced Raman scattering”, Nicoleta Elena DINA, Ana Maria Raluca GHERMAN, Alia COLNIȚĂ, Daniel MARCONI, Costel SÂRBU, Spectrochim. Acta, Part A, 2021, 247, 119149, DOI: 10.1016/j.saa.2020.119149
5. “Microfluidic portable device for pathogens’ rapid SERS detection”, Nicoleta Elena DINA, Daniel MARCONI, Alia COLNIȚĂ, Ana Maria Raluca GHERMAN, The 1st International Electronic Conference on Biosensors (online), Session Microfluidics for biosensing, Proceedings, 2020, 60 (1), 2, DOI: 10.3390/IECB2020-07089 – conference paper
6. “Identification of *Salmonella* serovars before and after ultraviolet light irradiation by Fourier Transform Infrared (FT-IR) Spectroscopy and Chemometrics”, Cristina M. MUNTEAN, Nicoleta Elena DINA, Alexandra TĂBĂRAN, Ana Maria Raluca GHERMAN, Alexandra FĂLĂMAȘ, Loredana E. OLAR, Liora M. COLOBĂȚIU, Răzvan ȘTEFAN, Anal. Letters, 2021, 54 (1-2), 150-172, DOI: 10.1080/00032719.2020.1731524 – conference paper
7. “Structural, spectroscopic and theoretical studies of sodium (2-carbamoylphenoxy) acetate salt”, Alexandru TURZA, Ana Maria Raluca GHERMAN, Vasile CHIȘ, Camelia BERGHIAN-GROSAN, Gheorghe BORODI, J. Mol. Struct., 2020, 1200, 127016, DOI: 10.1016/j.molstruc.2019.127016
8. “New aspects towards a molecular understanding of the allicin immunostimulatory mechanism via *Colec12*, *MARCO*, and *SCARB1* receptors”, Vlad Al. TOMA, Adrian Bogdan TIGU, Anca D. FARCAȘ, Bogdan SEVASTRE, Marian TAULESCU, Ana Maria Raluca GHERMAN, Ioana ROMAN, Eva FISCHER-FODOR, Marcel PÂRVU, Int. J. Mol. Sci., 2019, 20 (15), 3627, DOI: 10.3390/ijms20153627
9. “Yeast cell wall – silver nanoparticles interaction: A synergistic approach between surface enhanced Raman scattering and computational spectroscopy tools”, Ana Maria Raluca GHERMAN, Nicoleta Elena DINA, Vasile CHIȘ, Andreas Wieser, Christoph HAISCH, Spectrochim. Acta, Part A, 2019, 222, 117223, DOI: 10.1016/j.saa.2019.117223

10. "Size-tunable Au@Ag nanoparticles for colorimetric and SERS dual-mode sensing of palmatine in traditional Chinese medicine", Yaohui GAO, Ziwei HU, Jiamin WU, Zan NING, Jingyi JIAN, Ting ZHAO, Xiaochen LIANG, Xiangjie YANG, Zi YANG, Qinyu ZHAO, Jianping WANG, Zhigang WANG, Nicoleta Elena DINA, Ana Maria Raluca GHERMAN, Zhengjin JIANG, Haibo ZHOU, J. Pharm. Biomed. Anal., 2019, 174, 123-133, DOI: 10.1016/j.jpba.2019.05.045
11. "Label-free detection of bacteria using Surface-Enhanced Raman Scattering and Principal Component Analysis", Ionuț Bogdan COZAR, Alia COLNIȚĂ, Tiberiu SZÖKE-NAGY, Ana Maria Raluca GHERMAN, Nicoleta Elena DINA, Anal. Letters, 2019, 52 (1), Special Issue, DOI: 10.1080/00032719.2018.1445747 – conference paper
12. "Characterization of clinically relevant fungi via SERS Fingerprinting assisted by novel chemometric models", Nicoleta Elena DINA, Ana Maria Raluca GHERMAN, Vasile CHIȘ, Costel SÂRBU, Andreas WIESER, David BAUER, Christoph HAISCH, Anal. Chem., 2018, 90 (4), 2484-2492, DOI: 10.1021/acs.analchem.7b03124

SCIENTOMETRIC ANALYSIS

H_{index}: 5

12 articles published in ISI journals

2 of which as first author

3 of which as conference papers

57 times cited (without self citations)