

LIST OF PUBLICATIONS

1. "Pharmaceutical co-crystal of ketoconazole-adipic acid: excipient compatibility and in silico antifungal potential studies", Flavia MARTIN, Maria MICLĂUȘ, Ana Maria Raluca GHERMAN, Monica DAN, Ioana GROSU, Xenia FILIP, Irina KACSO, **Pharmaceutical Research**, 2025, 42 (9), 1603-1616, <https://doi.org/10.1007/s11095-025-03910-7> (IF₂₀₂₄: 4.3; AIS₂₀₂₃: 0.851)(2 times cited)
2. "Interaction of manganese-doped copper oxide nano-platelets with cells: biocompatibility and anticancer activity assessment", Ioan-Ovidiu PANĂ, Alexandra CIORÎȚĂ, Sanda BOCA, Simona GUȚOIU, Irina KACSO, Maria-Olimpia MICLĂUȘ, Oana GRAD, Ana Maria Raluca GHERMAN, Cristian LEOSTEAN, Maria SUCIU, **Biomimetics**, 2025, 10 (4), 203, <https://doi.org/10.3390/biomimetics10040203> (IF₂₀₂₄: 3.9; AIS₂₀₂₃: 0.601)(1 time cited)
3. "Ketoconazole-fumaric acid pharmaceutical cocrystal: from formulation design for bioavailability improvement to biocompatibility testing and antifungal efficacy evaluation", Ioana BĂLDEA, Remus MOLDOVAN, Andras-Laszlo NAGY, Pompei BOLFA, Roxana DECEA, Maria Olimpia MICLĂUȘ, Ildiko LUNG, Ana Maria Raluca GHERMAN, Alexandra SEVASTRE-BERGHIAN, Flavia Adina MARTIN, Irina KACSO, Vlad RĂZNICEANU, **International Journal of Molecular Sciences**, 2024, 25 (24), 13346, <http://doi.org/10.3390/ijms252413346> (IF₂₀₂₄: 4.9; AIS₂₀₂₄: 1.122)(3 times cited)
4. "Structural comparison between polydopamine precipitate and thin coating layers, down to nanometer film thickness", Xenia FILIP, Andrea SIMION, Ioana-Georgeta GROSU, Ana Maria Raluca GHERMAN, Claudia LAR, Claudiu FILIP, **Applied Surface Science**, 2024, 649, 159190, <http://doi.org/10.1016/j.apsusc.2023.159190> (IF₂₀₂₄: 6.9; AIS₂₀₂₄: 0.918)(4 time cited)
5. "Detection and characterization of nodularin by using label-free surface-enhanced spectroscopic techniques", Ioana Andreea BREZEȘTEAN, Ana Maria Raluca GHERMAN, Alia COLNIȚĂ, Nicoleta Elena DINA, Csilla MÜLLER MOLNÁR, Daniel MARCONI, Vasile CHIȘ, Ioan-Leontin DAVID, Simona CÎNTĂ-PÎNZARU, **International Journal of Molecular Sciences**, 2022, 23 (24), 15741, <http://doi.org/10.3390/ijms232415741> (IF₂₀₂₂: 5.6; AIS₂₀₂₂: 1.030) (5 times cited)
6. "Cheminformatics study on structural and bactericidal activity of latest generation β -lactams on widespread pathogens", Ana Maria Raluca GHERMAN, Nicoleta Elena DINA, Vasile CHIȘ, **International Journal of Molecular Sciences**, 2022, 23 (20), 12685, <http://doi.org/10.3390/ijms232012685> (IF₂₀₂₁: 5.6; AIS₂₀₂₁: 1.030) (3 time cited)
7. "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, <http://doi.org/10.1016/j.molstruc.2021.131507> (IF₂₀₂₂: 3.8; AIS₂₀₂₂: 0.331) (5 times cited)
8. "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, <http://doi.org/10.1016/j.molstruc.2021.131228> (IF₂₀₂₁: 3.841; AIS₂₀₂₁: 0.315) (15 time cited)
9. “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, **Romanian Reports in Physics**, **2021**, 73, 4, 604, <https://rrp.nipne.ro/2021/AN73604.pdf> (IF₂₀₂₁: 2.085; AIS₂₀₂₁: 0.202)
10. “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, **Spectrochimica Acta, Part A**, **2021**, 247, 119149, <http://doi.org/10.1016/j.saa.2020.119149> (IF₂₀₂₁: 4.831; AIS₂₀₂₁: 0.491) (25 times cited)
11. “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, <http://doi.org/10.3390/IECB2020-07089> (7 times cited) – conference paper nonISI
12. “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, **Analytical Letters**, **2021**, 54 (1-2), 150-172, <http://doi.org/10.1080/00032719.2020.1731524> (IF₂₀₂₁: 2.267; AIS₂₀₂₁: 0.203) (5 times cited) – conference paper
13. “Structural, spectroscopic and theoretical studies of sodium (2-carbamoylphenoxy) acetate salt”, Alexandru TURZA, Ana Maria Raluca GHERMAN, Vasile CHIȘ, Camelia BERGHIAN-GROSAN, Gheorghe BORODI, **Journal of Molecular Structure**, **2020**, 1200, 127016, <http://doi.org/10.1016/j.molstruc.2019.127016> (IF₂₀₂₀: 3.196; AIS₂₀₂₀: 0.293)
14. “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, **International Journal of Molecular Sciences**, **2019**, 20 (15), 3627, <http://doi.org/10.3390/ijms20153627> (IF₂₀₁₉: 4.556; AIS₂₀₁₉: 0.943) (17 times cited)
15. “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, **Spectrochimica Acta, Part A**, **2019**, 222, 117223, <http://doi.org/10.1016/j.saa.2019.117223> (IF₂₀₁₉: 3.232; AIS₂₀₁₉: 0.410) (21 times cited)
16. “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, **Journal of Pharmaceutical and Biomedical Analysis**, **2019**, 174, 123-133, <http://doi.org/10.1016/j.jpba.2019.05.045> (IF₂₀₁₉: 3.209; AIS₂₀₁₉: 0.589) (35 times cited)

17. “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, **Analytical Letters**, **2019**, 52 (1), Special Issue, <http://doi.org/10.1080/00032719.2018.1445747> (IF₂₀₁₉: 1.467; AIS₂₀₁₉: 0.201) (10 times cited) – conference paper
18. “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, **Analytical Chemistry**, **2018**, 90 (4), 2484-2492, <http://doi.org/10.1021/acs.analchem.7b03124> (IF₂₀₁₈: 6.350; AIS₂₀₁₈: 1.348) (60 times cited)

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17 articles published in ISI journals

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3 of which as first author

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