

Lista publicatiilor relevante

1. A robust and efficient lipase based nanobiocatalyst for phenothiazinyl-ethanol resolution
Spelmezan C.-G., Katona G., Bencze L.C., Paizs C., Toşa M.I.
Reaction Chemistry and Engineering (**2023**) 88(2): 852-862
DOI: [10.1039/d2re00515h](https://doi.org/10.1039/d2re00515h)
2. How to identify and characterize novel transaminases? Two novel transaminases with opposite enantioselectivity for the synthesis of optically active amines
Gal C.A., Barabás L.-E., Varga A., Csuka P., Bencze L.C., Toşa M.I., Poppe L., Paizs C.
Molecular Catalysis (**2022**) 531: 112660
DOI: [10.1016/j.mcat.2022.112660](https://doi.org/10.1016/j.mcat.2022.112660)
3. Deep eutectic solvents-a new additive in the encapsulation of lipase B from *Candida antarctica*: Biocatalytic applications
Dudu A.I., Bencze L.C., Paizs C., Toşa M.I.
Reaction Chemistry and Engineering (**2022**) 7(2): 442-449
DOI: [10.1039/d1re00469g](https://doi.org/10.1039/d1re00469g)
4. Preparation and Characterization of Doxycycline-Loaded Electrospun PLA/HAP Nanofibers as a Drug Delivery System
Farkas N.-I., Marincuş L., Barabás R., Bizo L., Ilea A., Turdean G.L., Toşa M., Cadar O., Barbu-Tudoran L.
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DOI: [10.3390/ma15062105](https://doi.org/10.3390/ma15062105)
5. Lipase on carbon nanotubes-an active, selective, stable and easy-to-optimize nanobiocatalyst for kinetic resolutions
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6. Robust, site-specifically immobilized phenylalanine ammonia-lyases for the enantioselective ammonia addition of cinnamic acids
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Catalysis Science and Technology (**2021**) 11(16): 5553-5563
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7. Green Process for the Enzymatic Synthesis of Aroma Compounds Mediated by Lipases Entrapped in Tailored Sol-Gel Matrices
Dudu A.I., Lacatus M.A., Bencze L.C., Paizs C., Toşa M.I.
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8. A novel phenylalanine ammonia-lyase from *Pseudozyma antarctica* for stereoselective biotransformations of unnatural amino acids
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10. Solvent-Free Biocatalytic Synthesis of 2,5-bis-(Hydroxymethyl)Furan Fatty Acid Diesters from Renewable Resources
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