

LISTA LUCRĂRILOR

Dr. Ing. Anamaria TODEA

1. Articole in extenso in reviste cotate ISI (din baza de date webofscience)

1. G. Lombardo, C. M. Warne, G. Damonte, **A. Todea**, L. Nagy, G. M. Guebitz, F. Allais, S.Fadlallah, A. Pellis, Sustainable synthesis of terpolyesters based on a levoglucosenone-derived cyclic acetal diol, *ACS Sustainable Chem. Eng.* 2025, 13, 10, 4068–4077, doi: [10.1021/acssuschemeng.4c10010](https://doi.org/10.1021/acssuschemeng.4c10010).
2. A. R. Buzatu, **A. Todea**, R. Pop, D. M. Dreavă, C. Paul, I. Bîtcă, M. Motoc, F. Peter, C. G. Boeriu, Designed Reactive Natural Deep Eutectic Solvents for Lipase-Catalyzed Esterification. *Molecules*. 2025 Feb 7;30(4):778. doi: 10.3390/molecules30040778.
3. N. Schulte, G. Damonte, V. M. Rocca, **A. Todea**, O. Monticelli, A. Pellis, Bis-pyrrolidone structures as versatile building blocks for the synthesis of bio-based polyesters and for the preparation of additives, *Green Chemistry*, 2025, 27, 1984-1996, doi: 10.1039/D4GC04951A
4. D.I. Dăescu, I. M. Păușescu, I.C. Benea, F. Peter, **A. Todea**, F. Zappaterra, A.A. Alexa, A.R. Buzatu, Natural and Synthetic Flavylum Derivatives: Isolation/Synthesis, Characterization and Application. *Molecules* **2025**, 30, 90, doi.org/10.3390/molecules30010090.
5. I. C. Benea, D. Dăescu, **A. Todea**, L. Nagy, S. Keki, I. Păușescu, A. Pellis, F. Peter, Efficient biotransformation of biobased raw materials into novel polyesters/polyesteramides; comparative investigation of enzymatic synthesis of block and random copolymers and terpolymers, *International Journal of Biological Macromolecules*, **2024**, 12, 1, 137046, doi.org/10.1016/j.ijbiomac.2024.137046.
6. A. Tămaș, I. Bîtcă, S. Nițu, C. Paul, I.C Benea, G. Rusu, E. Perot, F. Peter, **A. Todea**, Novel Aromatic Estolide Esters from Biobased Resources by a Green Synthetic Approach. *Appl. Sci.* 2024, 14, 7832, doi.org/10.3390/app14177832.
7. D.I. Dăescu, D.M. Dreavă, **A. Todea**, A. F. Peter, I. Păușescu, Intelligent Biopolymer-Based Films: Promising New Solutions for Food Packaging Applications. *Polymers*, 2024, 16, 2256, DOI: 10.3390/polym16162256.
8. A. R. Buzatu, **A. Todea**, F. Peter, C. G. Boeriu, The Role of Reactive Natural Deep Eutectic Solvents in Sustainable Biocatalysis, *ChemCatChem*, 2024, 16, 13, e202301597, doi.org/10.1002/cctc.202301597.
9. **A. Todea**, I. Bîtcă, M. Giannetto, I. Rădoi, R. Bruschi, M. Renzi, S. Anselmi, F. Provenza, T. Bentivoglio, F. Asaro, F.; et al. Enzymatic Synthesis and Structural Modeling of Bio-Based Oligoesters as an Approach for the Fast Screening of Marine

Biodegradation and Ecotoxicity. *Int. J. Mol. Sci.* 2024, 25, 5433, doi.org/10.3390/ijms25105433.

10. I. Bîtcă, A. Pellis, A. Petrovici, D.-M. Dreavă, I. Păușescu, F. Peter, L. Nagy, S. Kéki, L. Gardossi, **A. Todea***, One-pot green synthesis and characterization of novel furan-based oligoesters, *Sustainable Chemistry and Pharmacy* 2023, 35, 101229, doi.org/10.1016/j.scp.2023.101229.

11. A. R. Buzatu, M. A. Soler, S. Fortuna, O. Ozkilinc, D. M. Dreavă, I. Bîtcă, V. Badea, P. Giannozzi, F. Fogolari, L. Gardossi, F. Peter, **A. Todea***, C.G. Boeriu, Reactive natural deep eutectic solvents increase selectivity and efficiency of lipase catalyzed esterification of carbohydrate polyols, *Catalysis Today*, 2023, 114373, <https://doi.org/10.1016/j.cattod.2023.114373>.

12. I. C. Benea, I. Kántor, **A. Todea**, A. Pellis, I. Bîtcă, L. Nagy, S. Kéki, D. Maria Dreavă, F. Péter, T. Feczko, Biocatalytic synthesis of new polyesteramides from ϵ -caprolactam and hydroxy acids: Structural characterization, biodegradability, and suitability as drug nanocarriers, *Reactive and Functional Polymers*, 2023, 191, 105702, <https://doi.org/10.1016/j.reactfunctpolym.2023.105702>.

13. F. Zappaterra, M. Renzi, M. Piccardo, M. Spennato, F. Asaro, M. Di Serio, R. Vitiello, R. Turco, **A. Todea***, L. Gardossi, Understanding Marine Biodegradation of Bio-Based Oligoesters and Plasticizers, *Polymers* 2023, 15(6), 1536, <https://doi.org/10.3390/polym15061536>.

15. I. Bîtcă, A. Petrovici, A. Pellis, S. Klébert, Z. Károly, L. Bereczki, F. Péter, F., A. **Todea*** Enzymatic route for selective glycerol oxidation using covalently immobilized laccases, *Enzyme and Microbial Technology*, 2023, 163, <https://doi.org/10.1016/j.enzmictec.2022.110168>.

16. C. Koch, D.-M. Dreavă, **A. Todea**, F. Péter, M. Medeleanu, I. Păușescu, C. Samoilă, I. O. Sîrbu, Synthesis, Characterization, and Antiproliferative Properties of New Bio-Inspired Xanthylum Derivatives, *Molecules* 2023, 28 (3), 1102, <https://doi.org/10.3390/molecules28031102>.

17. I.-I. Rădoi, D. E. Bedolla, L. Vaccari, **A. Todea**, F. Zappaterra, A. Volkov, L. Gardossi, FTIR microscopy for direct observation of conformational changes on immobilized ω -transaminase: effect of water activity and organic solvent on biocatalyst performance, *Catalysis Science & Technology*, 2023, 13, 4955-4967, IF:6.17., DOI: 10.1039/d2cy01949c, **COVER PAPER**

18. I. Păușescu, **A. Todea**, D.-M. Dreavă, T. Boboescu, B. Pațcan, L. Pațcan, D. Albulescu, V. Badea, F. Peter, R. Tôtos, D. Ursu, L. Szolga, M. Medeleanu, Experimental and Computational Studies on Bio-Inspired Flavylum Salts as Sensitizers for Dye-Sensitized Solar Cells, *Materials*, 2022, 15 (19), 6985, <https://doi.org/10.3390/ma15196985>.

19. **A. Todea**, S. Fortuna, C. Ebert, F. Asaro, S. Tomada, M. Cespuqli, F. Hollan, L. Gardossi, Rational guidelines for the two-step scalability of enzymatic

polycondensation: experimental and computational optimization of the enzymatic synthesis of poly (glycerolazelate), *ChemSusChem*, 2022, 2, 23, <https://doi.org/10.1002/cssc.202102657>

20. V. Ferrario, **A. Todea**, L. Wolansky, N. Piovesan, A. Guarneri, D. Ribitsch, G. M Guebitz, L. Gardossi, A. Pellis, Effect of Binding Modules Fused to Cutinase on the Enzymatic Synthesis of Polyesters, *Catalyst*, 2022, 12, 3, 303, <https://doi.org/10.3390/catal12030303>

21. I. Kántor, D. Dreavă, **A. Todea**, F. Péter, Z. May, E. Biró, G. Babos, T. Feczko, Co-entrapment of sorafenib and cisplatin drugs and iRGD tumour homing peptide by poly [ϵ -caprolactone-co-(12-hydroxystearate)] copolymer, *Biomedicines*, 2021,10 (1), 43, <https://doi.org/10.3390/biomedicines10010043>

22. **A. Todea**, C. Deganutti, M. Spennato, F. Asaro, G. Zingone, T. Milizia, L. Gardossi, Azelaic Acid: A Bio-Based Building Block for Biodegradable, *Polymers*, 2021, 1, 13, 23, 4091, IF: 4.967, <https://doi.org/10.3390/polym13234091>.

23. S. Fortuna, M. Cesugli, **A. Todea**, A. Pellis, L. Gardossi Criteria for Engineering Cutinases: Bioinformatics Analysis of Catalophores, *Catalysts*, 2021, 11, 7, 748, <https://doi.org/10.3390/catal11070784>.

24. **A. Todea**, I. C. Benea, I. Bîţcan, F. Péter, et al., One-pot biocatalytic conversion of lactose to gluconic acid and galacto-oligosaccharides using immobilized β -galactosidase and glucose oxidase, *Catalysis Today*, 2021, 366, 202-211, <https://doi.org/10.1016/j.cattod.2020.06.090>.

25. I. Kántor, D. Aparaschivei, **A. Todea**, E. Biró, G. Babos, D. Szerényi, B. Kakasi, F. Péter, E. Şişu, T. Feczko, Biocatalytic synthesis of poly [ϵ -caprolactone-co-(12-hydroxystearate)] copolymer for sorafenib nanoformulation useful in drug delivery, *Catalysis Today*, 2021, 366, 195-201, <https://doi.org/10.1016/j.cattod.2020.05.005>.

26. A.R. Buzatu, A.t E Frissen, L. AM van den Broek, **A. Todea***, M. Motoc, C. G. Boeriu, Chemoenzymatic synthesis of new aromatic esters of mono-and oligosaccharides, *Processes*, 2020, 8, 12, 1638, <https://doi.org/10.3390/pr8121638>.

27. **A. Todea**, DM Dreavă, IC Benea, I Bîţcan, F Peter, CG Boeriu, Achievements and Trends in Biocatalytic Synthesis of Specialty Polymers from Biomass-Derived Monomers Using Lipases, *Processes* 2020, 9 (4), 646, <https://doi.org/10.3390/pr9040646>.

28. DM Dreavă, IC Benea, I Bîţcan, **A Todea***, E Şişu, M Puiu, F Peter, Biocatalytic approach for novel functional oligoesters of ϵ -caprolactone and malic acid, *Processes*, 2020, 9 (2), 232, <https://doi.org/10.3390/pr9020232>.

29. **A. Todea**, D. Aparaschivei, I. Bîţcan, I.V.Ledeţi, G. Bandur, F. Péter, L. Nagy, S. Kéki, E. Biró, Thermal behavior of oligo[(ϵ -caprolactone)-co- δ -gluconolactone]

enzymatically synthesized in reaction conditions optimized by experimental design, *Journal of Thermal Analysis and Calorimetry*, 2020, 1-10, <https://doi.org/10.1007/s10973-020-09557-3>.

30. P. Borza, I. C. Benea, I. Bitcan, **A. Todea***, S. G. Muntean, F. Peter Enzymatic degradation of azo dyes using peroxidase immobilized onto commercial carriers with epoxy groups, *Studia Universitatis Babes-Bolyai, Chemia*, 2020, 65, 1, DOI:10.24193/subbchem.2020.1.22.

31. I. Păușescu, **A. Todea**, V. Badea, F. Peter, M. Medeleanu, I. Ledeti, G. Vlase, T. Vlase, Optical and thermal properties of intelligent pH indicator films based on chitosan/PVA and a new xanthylum dye, *Journal of Thermal Analysis and Calorimetry*, 2020, 141, 999-1008, <https://doi.org/10.1007/s10973-019-08911-4>.

32. **A. Todea**, I. Bîtcă, D. Aparaschivei, et al., Biodegradable oligoesters of ϵ -caprolactone and 5-hydroxymethyl-2-furancarboxylic acid synthesized by immobilized lipases, *Polymers*, 2019, 11(9), 1402, <https://doi.org/10.3390/polym11091402>.

33. C. Vasilescu, **A. Todea***, A. Nan, M. Circu, R. Turcu, I.-C. Benea, F. Peter, Enzymatic synthesis of short-chain flavor esters from natural sources using tailored magnetic biocatalysts, *Food chemistry*, 2019, 298, 1-8, <https://doi.org/10.1016/j.foodchem.2019.05.179>.

34. D. Aparaschivei, **A. Todea**, A. E. Frissen, V. Badea, G. Rusu, E. Sîșu, M. Puiu, C. G. Boeriu, F. Peter, Enzymatic synthesis and characterization of novel terpolymers from renewable sources, *Pure and Applied Chemistry*, 2019, 91 (3), 397-408, <https://doi.org/10.1515/pac-2018-1015>.

35. **A. Todea**, D. Aparaschivei, V. Badea, C. G. Boeriu, F. Peter, Biocatalytic Route for the Synthesis of Oligoesters of Hydroxy-Fatty acids and ϵ -Caprolactone, *Biotechnology Journal*, 13, 6, 2018, **COVER PAPER**, <https://doi.org/10.1002/biot.201700629>.

36. **A. Todea**, P. Borza, A. Cimporescu, C. Paul, F. Peter, Continuous kinetic resolution of aliphatic and aromatic secondary alcohols by sol-gel entrapped lipases in packed bed bioreactors, *Catalysis Today*, 2018, 306, 223-232, <https://doi.org/10.1016/j.cattod.2017.02.042>.

37. S. G. Muntean, M. A. Nistor, E. Muntean, **A. Todea**, R. Ianoș, C. Păcurariu, Removal of colored organic pollutants from wastewaters by magnetite/carbon nanocomposites: single and binary systems, *Journal of Chemistry*, 2018, 6249821, <https://doi.org/10.1155/2018/6249821>.

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39. A. Cimporescu, **A. Todea**, V. Badea, C. Paul, F. Péter, Efficient kinetic resolution of 1,5-dihydroxy-1,2,3,4-tetrahydronaphthalene catalyzed by immobilized *Burkholderia cepacia* lipase in batch and continuous-flow system, *Process Biochemistry*, 2016, 51, 2076-2083, <https://doi.org/10.1016/j.procbio.2016.09.023>.
40. D. Aparaschivei, **A. Todea**, I. Păușescu, V. Badea, M. Medeleanu, E. Șîșu, M. Puiu, A. Chiriță-Emandi F. Peter, Synthesis, characterization and enzymatic degradation of copolymers of ϵ -caprolactone and hydroxy-fatty acids, *Pure and Applied Chemistry*, 2016, 88, 1191-1201, <https://doi.org/10.1515/pac-2016-0920>.
41. E Biró, D Budugan, **A. Todea**, F Péter, S Klébert, T Feczko, Recyclable solid-phase biocatalyst with improved stability by sol-gel entrapment of β -d-galactosidase, *Journal of Molecular Catalysis B: Enzymatic*, 2016, 123, 81-90, <https://doi.org/10.1016/j.molcatb.2015.11.006>.
42. **A. Todea**, L.G. Otten, A.E. Frissen, I. Arends, F. Peter, C. Boeriu, Selectivity of lipases for estolides synthesis, A. Todea, L.G. Otten, A.E. Frissen, I. Arends, F. Peter, Carmen Boeriu, *Pure and Applied Chemistry*, 87(1) pp. 51-58, 2015, <https://doi.org/10.1515/pac-2014-0716>.
43. **A. Todea**, A. Hiseni, L.G. Otten, I. W.C.E. Arends, F. Peter, C. G. Boeriu, Increase of stability of oleate hydratase by appropriate immobilization technique and conditions, *Journal of Molecular Catalysis B: Enzymatic*, 119, 2015, 40-47, <https://doi.org/10.1016/j.molcatb.2015.05.012>.
44. I. Ledeti, G. Vlase, T. Vlase, L.M. Suta, **A. Todea**, A. Fulas, Selection of solid-state excipients for simvastatin dosage forms through thermal and nonthermal techniques, *Journal of Thermal Analysis and Calorimetry*, 2015, 121(3), 1093-1102, <https://doi.org/10.1007/s10973-015-4832-5>.
45. I. Ledeti, G. Vlase, T. Vlase, I. Ciucanu, T. Olariu, **A. Todea**, A. Fulas, LM Suta, Instrumental analysis of potential lovastatin excipient interactions in preformulation studies, *Revista de Chimie*, 2015, 66 (6), 879-882.
46. **A. Todea**, E. Biro, V. Badea, C. Paul, A. Cimporescu, L. Nagy, S. Keki, G. Bandur, C. Boeriu, F. Peter, Optimization of enzymatic ring-opening copolymerizations involving δ -gluconolactone as monomer by experimental design, *Pure and Applied Chemistry*, 2014, 86(11) 1781-1792, <https://doi.org/10.1515/pac-2014-0717>.
47. S. Muntean, **A. Todea**, M.E. Rădulescu-Grad, Decontamination of colored wastewater using synthetic sorbents, *Pure and Applied Chemistry*, 2014, 86(11) 1771-1780, <https://doi.org/10.1515/pac-2014-0805>.

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49. I. Ledeti, CS Bosca, C Cosma, V Badea, **A. Todea**, VN Bercean, Study on obtaining 3-oxolup-20 (29)-en-28-oic acid (betulonic acid) from (3 β)-lup-20 (29)-en-3, 28-diol (betulin), *Revista de Chimie* 2014, 65 (11), 1289-1293, (2014):0.806.
50. P. Wildberger, **A. Todea**, B. Nidetzky, Probing enzyme-substrate interactions at the catalytic subsite of *Leuconostoc mesenteroides* sucrose phosphorylase with site-directed mutagenesis: the roles of Asp49 and Arg395, *Biocatalysis and Biotransformation Journal*, 2012, 30(3), pp. 327-337, <https://doi.org/10.3109/10242422.2012.674720>.
51. S. Kakasi-Zsurka, **A. Todea**, A. But, C. Paul, C. G. Boeriu, C. Davidescu, L. Nagy, A. Kuki, S. Keki, F. Péter, Biocatalytic synthesis of new copolymers from 3-hydroxybutyric acid and a carbohydrate lactone, *Journal of Molecular Catalysis B: Enzymatic*, 2011, 71, 22-28, <https://doi.org/10.1016/j.molcatb.2011.03.004>.
52. S. Kakasi-Zsurka, **A. Todea**, A. But, C. Paul, C. Boeriu, L. Nagy, F. Péter, Novel enzymatic synthesis of 3-hydroxybutyric acid oligomers with inserted lactobionic acid moieties, *Revista de Chimie*, 2011, 62(10), 958-963.

Lucrări științifice publicate în reviste indexate în baze de date (B+)

1. **A. Todea**, C. Buzatu, M.E. Radulescu Grad, S.G. Muntean, Preliminary studies on removal of industrial dyes from wastewaters using biosorbents, Chem. Bull "Politehnica" Univ. (Timișoara), Romania, 60(74), 2:1-6, 2015.
2. M.E. Radulescu-Grad, S.G. Muntean, **A. Todea**, O. Verdeș, A. Andelescu, Synthesis and characterization of new metal complex Chem. Bull "Politehnica" Univ. (Timișoara), Romania, 60(74), 2:7-11, 2015.
3. A. Cimporescu, **A. Todea**, V. Badea, C. Paul and F. Peter, Enzymatic Acylation of 1-(isopropylamino)-3-[4-(2-methoxyethyl)phenoxy]propan-2-ol by Sol-Gel Entrapped Lipases, Chem. Bull "Politehnica" Univ. (Timișoara), Romania, 60(74), 1:7-12, 2015.
4. A. Fulias, G. Vlase, **A. Todea**, T. Vlase, I.Ledeți, Thermal Characterization of Polymeric Coatings for Pharmaceutical Dosage Forms, Macromolecular Symposia, 352(1), pp. 56-65, 2015.
5. A. But, **A. Todea**, F. Peter, M. Medeleanu, Theoretical studies on modified polyhydroxyalcanoates, Annals of West University of Timisoara, Series of Chemistry, 19(4), pp. 95-105, 2010.
6. V.F. Deac, **A. Todea**, A.M. Bolfa, P. Podea, P. Petrar, R. Silaghi-Dumitrescu, „Ascorbate binding to globins”, Romanian Journal of Biochemistry, 46, pp. 115-121, 2009.

7. V.F. Deac, **A. Todea**, R. Silaghi-Dumitrescu, „Glutaraldehyde derivatization of hemoglobin: a potential blood substitute”, Metal Elements in Environment, Medicine and Biology Tome IX, Eds., Cluj University Press, Cluj-Napoca, Romania, pp 165-173, 2009.

Lucrări științifice prezentate la conferințe naționale și internaționale

Lucrari prezentate si publicate (rezumat) în volumele unor manifestări științifice din străinătate

Prezentări orale (O)/seminarii(S)

S1. **A. Todea**, Biocatalytic strategies for green synthesis of bio-based oligoesters, VXII International Postgraduate Summer School on Green Chemistry 2025, 7-11 July 2025, Venice, Italy.

O1. **A. Todea**, Enzymatic synthesis and structural modelling of bio-based oligoesters as an approach for fast screening of marine biodegradation and ecotoxicity, Plastic Challenges and Biotechnological Solutions, March 20, 2024, online conference, Keynote lecture.

O2. **A. Todea**, Ecotoxicity and saltwater biodegradation studies of enzymatically synthesized oligoesters from renewable raw materials, WORKSHOP within the project Education for Plastic in a Circular and Climate Neutral Economy – Preventing Waste Ending Up into the Environment – AquaSensTim event, April 21, 2024.

O3. **A. Todea**, Aleksandra Marsavelski, Presentation of CA21162 – Establishing a Pan-European Network on Computational Redesign of Enzymes, COST Connect Event on Biobased Resources, Materials and Solutions.

O4. **A. Todea**, Computational and applied biocatalysis for the sustainable synthesis of bio-based oligoesters, New Trends in Chemistry Research, Timișoara, September 18–20, 2024.

O5. **A. Todea**, Computational strategies and applied biocatalysis for the eco-design of biodegradable oligoesters, 23rd Romanian International Conference on Chemistry and Chemical Engineering (RICCCE 2024), Constanța – Mamaia, Romania, September 4–7, 2024.

O6. **A. Todea**, Rational design of reactive natural deep eutectic solvents to enhance esterification activity and thermal stability of lipases, 33rd Symposium on Thermal Analysis and Calorimetry "Eugen Segal", October 17–18, 2024, Timișoara, Romania.

S2. L. Gardossi, **A. Todea**, Computational and applied biocatalysis for the sustainable synthesis of polyesters: experiences and challenges within European Projects, Workshop Opportunities for Horizon Europe partnerships in Bio-Nano-Science/Technologies, organized by Babeș-Bolyai University Cluj-Napoca, Romania, 11.11.2022-invited speakers

O7. **A. Todea**, D. Di Stefano, S. Fortuna, F. Asaro, F. Zappaterra, L. Gardossi, Computational eco-design and screening of biodegradable renewable polyesters, 9th IUPAC International Conference on Green Chemistry (9th ICGC), 5-9th September, Athene, Greece.

S3. L. Gardossi, **A. Todea**, Biocatalysis for the Synthesis of Biomaterials, European Society of Applied Biocatalysis ESAB-webinar, 25.03.2022, invited speakers

O8. **A. Todea**, I. Bîţcan, I.C. Benea, F. Peter, S. Klébert, T. Feczko, E. Biro, Increasing the stability of β -galactosidase and glucose oxidase for one-pot biocatalytic synthesis of gluconic acid, The 12th International Symposium of the Romanian Catalysis Society, 5-7 June 2019, Bucharest, Romania.

O9. **A. Todea**, G. Frissen, L. Otten, I. Arends, F. Peter, C. Boeriu, Hydroxy fatty acids selectivity of lipases for estolides synthesis, 15th International Conference "Polymers and Organic Chemistry", 10-13 June 2014, Timisoara, Romania, ISBN: 978-606-554-841-1.

O10. **A. Todea**, F. Peter, L. G. Otten, I. W.C.E. Arends, C. G.Boeriu, One-pot system for synthesis of estolides by using a combination of two enzymes, The XXXIVth Romanian Chemistry Conference, 4-7 October 2016, Călimăneşti-Căciulata, Romania.

O11. **A. Todea**, V. Badea, L. Nagy, S. Keki, F. Peter, Synthesis of δ -gluconolactone and ϵ -caprolactone copolymers catalyzed by lipases, The XVth International Symposium "Young People and Multidisciplinary Research", 14-15 November 2013, Timişoara, Romania

Prezentări tip poster (selecție)

P1. A. Todea, D. Vattovaz, S. Fortuna, M. Renzi, D. Di Stefano, L. Gardossi Computational and enzymatic experimental strategies for polymers circularity BIOTRANS-16th International Symposium on Biocatalysis & Biotransformations 25-29 June 2023, La Rochelle, France

P2. **A. Todea**, S. Fortuna, F. Asaro, S. Tomada, M. Cespugli, F. Hollan, L. Gardossi, Designing new immobilized biocatalysts for the efficient synthesis of renewable and biodegradable poly(glycerolazelate), 6th International Conference Implementation of microreactor technology in biotechnology - IMTB 2022, 5- 8 June 2022, Portorož, Slovenia. **BEST POSTER AWARD.**

P3. I. Bîţcan, A. Petrovici, **A. Todea**, D. Aparaschivei, I. Păuşescu, F. Peter, Green Route Synthesis of Oligoesters from 5-Hydroxymethyl-2-Furan Carboxylic Acid and Ricinoleic Acid, The 6th International Conference on Biocatalysis in Non-Conventional Media (BNCM 2021), 6-8 May 2021, Milan, Italy.

P4. **A. Todea**, S. Fortuna, M. Spennato, I. Rădoi, F. Asaro, L. Gardossi, Computational approaches for renewable polyesters eco-design, International Forum on Industrial Biotechnology and Bioeconomy, 30 September- 1 October 2021, Trento, Italy.

P5. I. Bîtcă, A. Petrovici, A. Ștefan, **A. Todea**, Iulia Păușescu, F. Peter, Selective glycerol oxidation mediated by covalently immobilized laccases, International Forum on Industrial Biotechnology and Bioeconomy- IFIB 2021, 30 September 2021 - 1 October 2021, Trento, Italy.

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