

LISTA LUCRĂRILOR

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- [1] C. Zarcu, L. Corîci, R. Croitoru and F. Péter, “Kinetic resolution of secondary alcohols in lipase-catalyzed transesterification reactions”, *Annals of West University of Timisoara, Series of Chemistry*, vol.16 (4), pp. 107 – 112, 2007.
- [2] C. Zarcu, R. Croitoru, C. Csunderlik and F. Péter, “Ionic liquids as immobilization additives and reaction media for lipase-catalyzed reactions”, *International Conference on Chemistry and Chemical Engineering, Timisoara, Romania*, P310, May 2008.
- [3] C. Zarcu, R. Croitoru, F. Fițigău, S. K. Zsurka and F. Péter, “Improvement of enzyme stability by an integrated technique of sol-gel entrapment and adsorption”, *International Conference on Chemistry and Chemical Engineering, Timisoara*, P309, May 2008.
- [4] C. Zarcu, R. Croitoru, C. Csunderlik and F. Peter, “Influence of solvents and nonstructural ionic liquid templates on activity and enantioselectivity of sol-gel entrapped lipases”, *The 2nd International Conference Biocatalysis in Non-Conventional Media, Moscow, Russia*, pp. 9, June 2008.
- [5] C. Zarcu, R. Croitoru, C. Csunderlik and F. Peter, “Ionic liquids and sol-gel immobilized lipases: possible synergism”, *The 4th International Congress on Biocatalysis 2008, Hamburg, Germany*, P171, pp 293 – 294, August – September 2008.
- [6] C. Zarcu, R. Croitoru, C. Csunderlik and F. Péter, “Influence of reaction medium on acylation of secondary alcohols”, *The XXXth Romanian Chemistry Conference, Calimănești-Căciulata, Romania*, p. 39, October 2008.
- [7] R. Martagiu, R. Croitoru, I. Balcu and F. Peter, “Studiul hidrolizei enzimatică a unor substraturi”, *The XXXth Romanian Chemistry Conference, Calimănești-Căciulata*, p. 43, October 2008.
- [8] F. Péter, C. Zarcu, S. K. Zsurka, R. Croitoru, C. Davidescu and C. Csunderlik, “Solid-phase lipase biocatalysts for kinetic resolutions”, *Journal of Biotechnology*, 136S, S374, October 2008.
- [9] C. Zarcu, L. Corîci, R. Croitoru and F. Péter, “Double immobilization of porcine pancreas lipase”, *Annals of West University of Timisoara, Series of Chemistry*, vol. 17 (3), pp. 61 – 66, 2008.
- [10] R. Croitoru, C. Zarcu and F. Peter, “Influence of reaction medium on kinetic resolution of secondary alcohols catalyzed by immobilized lipases”, *The 13th International Symposium for Students in Chemistry, Timisoara, Romania*, pp 13, November 2008.
- [11] C. Zarcu, R. Croitoru, L. Corîci, C. Csunderlik and F. Péter, “Improvement of lipase catalytic properties by immobilization in hybrid matrices”, *Proceedings of World Academy of Science, Engineering and Technology*, vol. 40, pp. 179 – 184, 2009.

- [12] L. Corîci, R. Croitoru, C. Zarcu, F. Balcu, C. Macarie, F. Fițigău, R. Martagiu and F. Peter, “Enzymatic hydrolysis of cellulose and pretreated lignocellulosic biomass”, Timisoara’s Academic Days XIth Edition, Timisoara, Romania, May 2009.
- [13] C. Zarcu, P. Sfârloagă, L. Corîci, R. Croitoru and F. Peter, “Characterization of sol-gel immobilized *Pseudomonas fluorescens* lipase”, Timisoara’s Academic Days XIth Edition, Timisoara, Romania, May 2009.
- [14] C. Zarcu, L. Corîci, R. Croitoru, C. Csunderlik and F. Péter, “Preparation and catalytic properties of xerogels obtained by ionic liquid incorporation during immobilization of lipase by the sol-gel method”, *New Biotechnology*, vol. 25 (1), pp. S140, September 2009.
- [15] C. Zarcu, C. Kiss, L. Corîci, R. Croitoru, C. Csunderlik and F. Peter, “Combined sol-gel entrapment and adsorption method to obtain solid-phase lipase biocatalyst”, *Revista de Chimie*, vol.60 (9), pp. 922 – 927, September 2009.
- [16] C. Paul, M. Ungurean, L. Corîci, R. Croitoru, F. Balcu, C. Macarie, F. Fițigău, R. Martagiu and F. Peter, “Hydrolysis of lignocellulosic biomass by cellulases from *Trichoderma reesei*”, *Annals of West University of Timisoara, Series Chemistry*, vol.18 (2), pp. 63 – 68, November 2009.
- [17] S. Kakasi-Jurka, C. Paul, L. Corîci, R. Croitoru and F. Peter, “Biopolymers from hydroxybutiric acid and carbohydrate derivatives”, *Annals of West University of Timisoara, Series Chemistry*, vol. 18 (2), pp. 29 – 34, November 2009.
- [18] R. Croitoru, C. Paul, A. L. van den Broek, A. E. Friessen, F. Peter and C. G. Boeriu, “Immobilized sol-gel lipase catalyst for efficient esterification”, *Netherlands Biotechnology Congress*, Ede Wageningen, The Netherlands, p. 112, March 2010.
- [19] R. Croitoru, C. Paul, A. L. van den Broek, A. E. Friessen, F. Peter and C. G. Boeriu, “Ionic liquids as template compounds for sol-gel entrapment of lipases”, *2th International Conference on Chemistry and Chemical Engineering*, Timisoara, Romania, p. 39, May 2010.
- [20] C. Zarcu, L. Corici, R. Croitoru, A. Ursoiu and F. Peter, “Preparation and properties of xerogels obtained by ionic liquid incorporation during the immobilization of lipase by the sol-gel method”, *Journal of Molecular Catalysis: B Enzymatic*, vol. 65 (1 – 4), pp. 79 – 86, August 2010.
- [21] R. Croitoru, C. Paul, A. L. van den Broek, A. E. Friessen, F. Peter and C. G. Boeriu, “Screening of free and sol-gel immobilized lipases in transesterification reactions”, *5th International Congress on Biocatalysis*, Hamburg, Germany, p. 143, August 2010.
- [22] R. Croitoru, L. A. M. van den Broek, A. E. Friessen, C. M. Davidescu, F. Peter and C. G. Boeriu, “Lipase catalyzed synthesis of aromatic esters of sugar alcohols”, *World Academy of Science, Engineering and Technology*, vol. 76, pp. 426 – 431, April 2011.
- [23] R. Croitoru, L. A. M. van den Broek, A. E. Frissen, C. M. Davidescu, F. Peter and C. G. Boeriu., “Enzymatic synthesis of phenyl esters of polyhidric alcohols”, *12th Edition of Timisoara’s Academic Days, Chemistry*, Timisoara, Romania, pp. 115, May 2011.
- [24] R. Croitoru, F. Fițigău, L. A. M. van den Broek, A. E. Frissen, F. Peter, C. M. Davidescu and C. G. Boeriu, “Biocatalytic acylation of sugar alcohols by 3-(4-hydroxyphenyl)-propionic acid”, *Process Biochemistry*, 2012, in press.

