

Lista de publicații

Numele și prenumele

Bodor Zsolt

A. Teza de doctorat

"Analiza, modelarea și ingineria in silico a căilor metabolice în *Escherichia coli* pentru obținerea acidului succinic", conducător de doctorat: prof.dr.ing. Lányi Szabolcs, Universitatea Politehnica din București, Facultatea de Chimie Aplicată și Știința Materialelor

B. Lucrări științifice publicate

B1. Lucrări științifice publicate în reviste cotate ISI

1. **Zsolt BODOR**, Andrea (Iuhasz) FAZAKAS, Erika KOVÁCS, Szabolcs LÁNYI, Beáta ALBERT, Systems biology and metabolic engineering for obtaining *E. coli* mutants capable to produce succinate from renewable resources, *Romanian Biotechnological Letters*, ISSN:1224-5984, Vol. 19, No. 4, pp. 9625-9636, 2014, Factor de impact: 0.351.
2. **BODOR, Zs.**, FAZAKAS (Iuhasz), A., KOVÁCS, E., LÁNYI, Sz., ÁBRAHÁM, B: Systems biology in biochemistry and sustainable biotechnology: succinic acid from renewable resources by *Escherichia coli*, *Revista de Chimie*, în curs de publicare, Factor de impact: 0.538.
3. **Zsolt, BODOR**, Andrea (Iuhasz) FAZAKAS, Erika KOVÁCS, Szabolcs LÁNYI, Beáta ÁBRAHÁM, Biotechnological production of succinic acid from glycerol; the role of co-substrates, *Studia Universitatis Babeș-Bolyai Seria Chimia*, ISSN:1224-7154, LIX, 2, pp. 33-50, 2014, Factor de impact: 0.136.
4. Andrea (Iuhasz) FAZAKAS, **Zsolt BODOR**, Erika KOVÁCS, Éva LASLO, Szabolcs LÁNYI, Beáta ÁBRAHÁM, Isolation of succinic acid-producing *Escherichia coli* from animal faeces, *Studia Universitatis Babeș-Bolyai Seria Chimia*, ISSN:1224-7154, Vol. 59, Iss. 1, pp. 177-185, 2014, Factor de impact: 0.136.
5. **Zs. BODOR**, Cs. K. ORBÁN, I. MIKLÓSSY, K. JUHÁSZ, B. ÁBRAHÁM, Sz. LÁNYI, Heterologous expression of *Bacillus licheniformis* α -amylase in *Pichia pastoris*, *Studia Universitatis Babeș-Bolyai Seria Chimia*, ISSN:1224-7154, LV, Sp Iss., pp. 9-23, 2010, Factor de impact: 0.231.

B2. Lucrări științifice publicate în reviste indexate în baze de date internaionale (indicați și baze de date)

1. **Zsolt BODOR**, Andrea (Iuhasz) FAZAKAS, Szabolcs LÁNYI, Beáta ÁBRAHÁM, *In silico* modelling and metabolic engineering of *Escherichia coli* to succinic acid production, *U.P.B. Sci. Bull., Series B*, ISSN:1454-2331, Vol. 76, Iss. 4, pp. 59-70, 2014.
2. E. BOTH, L. GYENGE, **Zs. BODOR**, É. GYÖRGY, B. ÁBRAHÁM, Sz. LÁNYI, Intensification of probiotic microorganisms viability by microencapsulation using ultrasonic atomizer, *U.P.B. Sci. Bull., Series B*, ISSN:1454-2331, Vol. 74, Iss. 1, pp. 27-32, 2012.

B3. Lucrări științifice publicate în reviste din țară, recunoscută CNCSIS

1. FAZAKAS (IUHASZ) Andrea, **BODOR Zsolt**, KOVÁCS Erika, LÁNYI Szabolcs, ÁBRAHÁM Beáta, Gene knockout using λ -Red recombination system in *Escherichia coli*, *Technical Review*, ISSN 1454-0746, nr. 63, pp. 10-15, 2014.

B4. Lucrări științifice publicate în volumele manifestărilor științifice

1. MIKLÓSSY Ildikó, **BODOR Zsolt**, SINKLER Réka, ORBÁN Kálmán Csongor, ÁBRAHÁM Beáta, LÁNYI Szabolcs, Contributions to engineering a new four-step biosynthetic pathway for 1,4-butanediol in *E. coli*, *XXth International Conference on Chemistry*, Cluj-Napoca, November 6-9, 2014.
2. FAZAKAS (Iuhasz) Andrea, **BODOR Zsolt**, KOVÁCS Erika, LÁNYI Szabolcs, ÁBRAHÁM Beáta, Gene knockout using λ -Red recombination system in isolated *Escherichia coli*, *XIXth International Conference on Chemistry*, Baia Mare, November 21-24, 2013, Romania.
3. **Zsolt BODOR**, Andrea (Iuhasz) FAZAKAS, Szabolcs LÁNYI, Beáta ÁBRAHÁM, *In silico* modelling and metabolic engineering of *Escherichia*

coli to succinic acid production, 18th Romanian International Conference on Chemistry and Chemical Engineering-RICCCE, Sinaia, September 4-7, 2013, Romania.

4. **Zsolt BODOR**, Andrea (Iuhasz) FAZAKAS, Erika KOVÁCS, Szabolcs LÁNYI, Beáta ÁBRAHÁM, Modeling and analysis of bio-based succinic acid production from renewable resources using *Escherichia coli*, 1st EuCheMS Congress on Green and Sustainable Chemistry, Budapest, October 13-15, 2013, Hungary.
5. **BODOR Zsolt**, FAZAKAS (Iuhasz) Andrea, LÁNYI Szabolcs, ÁBRAHÁM Beáta, *In silico* metabolic network modeling in *Escherichia coli* for succinic acid production, XVIIIth International Conference on Chemistry, Băile Felix, November 22-25, 2012, Romania.
6. FAZAKAS (Iuhasz) Andrea, **BODOR Zsolt**, LASLÓ Éva, KOVÁCS Erika, LÁNYI Szabolcs, ÁBRAHÁM Beáta, Screening of best glycerol utilizing *Escherichia coli* strains for succinate production, XVIIIth International Conference on Chemistry, Băile Felix, November 22-25, 2012, Romania.
7. **Zsolt BODOR**, Katalin JUHÁSZ, Szabolcs LÁNYI, Beáta ALBERT, Optimization of *Pichia pastoris* immobilization on different surfaces and in calcium alginate beads for high value added product formation, Chemical Engineering Conference for Collaborative Research in Eastern Mediterranean Countries- EMCC7, Corfu, April 27–May 1, 2012, Greece.
8. É. LASLÓ, É. GYÖRGY, É. TAMÁS, **Zs. BODOR**, Sz. LÁNYI, Effect of beneficial bacterial strains isolated from wild plant roots and rhizosphere on the seed germination and plant growth of cultivated crops, Agrisafe Final Conference, Climate change: challenges and opportunities in agriculture, Martonvásár, March 21-23, 2011, Hungary.
9. BOTH Emese, **BODOR Zsolt**, GYENGE László, GYÖRGY Éva, ÁBRAHÁM Beáta, LÁNYI Szabolcs, Intensification of probiotic microorganisms viability by microencapsulation using ultrasonic atomizer, 17th Romanian International Conference on Chemistry and Chemical Engineering-RICCCE, Sinaia, September 7-11, 2011, Romania.

10. **BODOR Zs.**, KOVÁCS E., MIKLÓSSY I., ÁBRAHÁM B., BÁLINT Emese-É., ORBÁN Kálmán Cs., TAMÁS É., SZILVESZTER Sz., LÁNYI Sz., Heterologous expression of *Bacillus licheniformis* α -amylase in *Pichia pastoris*, 15th International Conference on Chemistry, Târgu Mureş, November 12-15, 2009, Romania.
11. BÁLINT Emese-É., ÁBRAHÁM B., MIKLÓSSY I., ORBÁN Kálmán Cs., **BODOR Zs.**, LÁNYI Sz., Heterologous expression of pullulanase in *Escherichia coli*, 15th International Conference on Chemistry, Târgu Mureş, 2009 November 12-15. Romania.
12. ORBÁN Kálmán Cs., ÁBRAHÁM B., MIKLÓSSY I., SZILVESZTER Sz., BÁLINT Emese-É., **BODOR Zs.**, LÁNYI Sz., *In silico* studies on structure-function correlations in a group of serin-proteinases, 15th International Conference on Chemistry, Târgu Mureş, 2009 November 12-15. Romania.
13. **BODOR Zsolt**, KOVÁCS Erika, MIKLÓSSY Ildikó, ÁBRAHÁM Beáta, BÁLINT Emese-Éva, ORBÁN Kálmán Csongor, TAMÁS Éva, SZILVESZTER Szabolcs, LÁNYI Szabolcs: Termostabil enzimek extracelluláris heterológ expressziója keményítő tartalmú hulladékok kezelésére. Magyar Tudomány Napja Erdélyben, Őszi természettudományi konferencia, 2009 nov. 21, Kolozsvár.

C. Recunoașterea (citări)

1. E. BOTH, L. GYENGE, Zs. BODOR, É. GYÖRGY, B. ÁBRAHÁM, Sz. LÁNYI, Intensification of probiotic microorganisms viability by microencapsulation using ultrasonic atomizer, *U.P.B. Sci. Bull., Series B*, ISSN:1454-2331, Vol. 74, Iss. 1, pp. 27-32, 2012.

Daniela C. Campos, Francisca Acevedo, Eduardo Morales, Javiera Aravena, Véronique Amiard, Milko A. Jorquera, Nitza G. Inostroza, Mónica Rubilar, **Microencapsulation by spray drying of nitrogen-fixing bacteria associated with lupin nodules**, *World Journal of Microbiology and Biotechnology*, September 2014, Volume 30, Issue 9, pp 2371-2378.

Bryshila Lupo Pasin, Carmen González Azón, Alicia Maestro Garriga, **MICROENCAPSULACIÓN CON ALGINATO EN ALIMENTOS. TÉCNICAS Y APLICACIONES (Microencapsulation in alginate for food. Technologies and applications)**, *Revista Venezolana de Ciencia y Tecnología de Alimentos*, 2218-4384 (2012) Vol. 3 Num. 1.

Data

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Semnătura,

