

Lista de lucrări în domeniul de știință definit de disciplinele din postul scos la concurs

NUMELE ȘI PRENUMELE: **Ábrahám Beáta**

I. LISTA PUBLICAȚIILOR RELEVANTE

2014

1. Bodor, Zs., Fazakas (Iuhasz) A., Lanyi Sz., **B. Abraham**, *In silico modelling and metabolic engineering of Escherichia coli to succinic acid*, UPB Scientific Bulletin Series B: Chemistry and Materials Science, ISSN 1454-2331, acceptat.

2013

2. Szilveszter, Sz., Raduly, B., **Ábrahám, B.** Lányi Szabolcs, *In Situ Imaging of Biopolymers and Extracellular Enzymes in Activated Sludge Flocs of a Municipal Wastewater Treatment Plant*, J Chem Technol Biot, JCTB-12-0545, 2013, Jun 4. (IF: 2.168, SRI: 1.63; EF: 0.010492; AI: 0.52)
3. Kovács E., Szilágyi L., Koncz G., Lányi Sz., **Ábrahám B.**, *Enhanced in vitro refolding of soluble human Glucocorticoid-Induced TNF Receptor- Related Ligand*, 2013, Appl Biochem Biotechnol. 2013 Jun;170 (4):819-30 IF: 1,93
4. Bálint, E.É., Petres, J., Szilágyi, L., Orbán, K.Cs., **Ábrahám, B.**, *Fluorescence of a histidine-modified Enhanced Green Fluorescent Protein (EGFP) effectively quenched by copper(II) ions*. Journal of Fluorescence, ISSN 1573-4994, 2013, (IF: 2.107 , SRI: 1.373; EF: 0.006613; AI: 0.6153)

2012

5. Laslo, É., György, É., Mara, Gy., Tamás, É., **Ábrahám, B.**, Lányi, Sz., *Screening of plant growth promoting rhizobacteria as potential microbial inoculants*, Crop Protection 40, p.43-48, ISSN: 0261-2194, 2012, (IF:1.402, SRI:1.39; EF: 0.008022; AI: 0.46)
6. Gálicza, J., Vargová, A., Sándor, V., Orbán, K.Cs., András, Cs.D., **Ábrahám, B.**, Lányi, Sz., Kilár, F., *Preparation and investigation of bioactive transferrin-iron complexes formed with different synergistic anions*, The Protein Journal, 31, 27–34, ISSN 1572-3887, 2012, (IF: 1.038, EF: 0.001445; AI: 0.27)
7. Miklóssy, I., Orbán, K.Cs., Bálint, E., **Ábrahám, B.**, Lányi, Sz., *Contributions to redesigning specificity of the ancestral proteinase stemzyme-IDP- β* , Studia Universitatis Babes-Bolyai Chemia, ISSN 1224-7154, 2012 (IF: 0.231, EF: 0.000525; AI: 0.0113), acceptat.

8. Andras, CD; Csajagi, C; Orban, CK; Albert, C; **Abraham, B**; Miklossy, I, *A possible explanation of the germicide effect of carbon dioxide in supercritical state based on molecular-biological evidence*. Medical Hypotheses, ISSN 0306-9877, 74 (2), pp. 325-329, 2010, (IF: 1.150; EF: 0.0127; AI: 0.3208)
9. Bálint, E., Miklóssy, I., **Ábrahám, B.**, Szilágyi, L., Lányi, Sz., *Heterologous expression of Granzyme H in Escherichia coli*. Studia Universitatis Babes-Bolyai Chemia, ISSN 1224-7154, (Special Issue): p. 5-9, 2010, (IF: 0.231, EF: 0.000525; AI: 0.0113)
10. Bodor, Zs., Orbán, K.Cs., Miklóssy, I., Juhász K., **Ábrahám, B.**, Lányi, Sz., *Heterologous expression of Bacillus Licheniformis α -amylase in Pichia pastoris*, Studia Universitatis "Babeş Bolyai", Seria Chemica, 55, Special Issue 9-22, 2010 (I.F.=0.231, EF: 0.000525; AI: 0.0113)

II. LISTA COMPLETĂ DE PUBLICAȚII, CREAȚII, INVENȚII

A. Tezele de doctorat.

Evolutia turbăriilor din județul Harghita, 2009, Conducător științific: Dr. Aurelia Brezeanu, Institutul de Biologie al Academiei Române, calificativ: foarte bine

Procedeu de obtinere a bioetanolului din deseuri agroalimentare tratate cu enzime termostabile recombinante, obtinuta prin expresie heterologa extracelulara, 2012, Conducător științific: Dr. Lányi Szabolcs, Universitatea Politehnica Bucuresti, Facultatea de Chimie Aplicată și Știința Materialelor, calificativ: foarte bine

B. Cărți publicate

B2. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate în țară, la edituri recunoscute CNCSIS.

B. Abraham, *Evolutia turbăriilor din județul Harghita*, Editura Scientia, 2009, Cluj Napoca, ISBN 978-973-1970-30-1

V. Turcin, I. Bârsan, I. Păună, L. Pușcaș, V. Anca, A. Toma, L. Flore, E. Măgureanu, E. Istrate, M. Vasiliu, I. F. Hăntilă, Sz. Lanyi, **B. Abraham** et. al, *Instalație și tehnologii de pasteurizare cu microunde a laptelui și a smântânii*, Editura Printech, 2008, București

B3. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate la alte edituri sau pe plan local.

B6. Capitole de cărți publicate în țară

Sz. Lanyi, F. D. Irimie, **B. Abraham**, *Impactul câmpurilor electromagnetice de natură antropică asupra ecosistemelor, Capitol III. P. 107-118*, Editura Printech, 2007, București, ISBN: 978-973-718-912-7

C. Lucrări științifice publicate

C1. Lucrări științifice publicate în reviste cotate ISI

2014

11. Fazakas A., Bodor Zs., Kovacs E., Laslo E., Lanyi Sz., **B. Abraham**, *Isolation of succinic acid producing Escherichia coli from animal faeces*, Studia Universitatis "Babeș Bolyai", Seria Chemia , 2014, acceptat, (IF: 0.231; EF: 0.000525; AI: 0.0113)
12. Gyenge, B. Ráduly, S. Crognale, Sz. Lányi, **B. Ábrahám**: *Cultivating conditions optimization of the anaerobic digestion of corn ethanol distillery residuals using response surface methodology*, Central European Journal of Chemistry, 2014, acceptat, (IF 1.167)

2013

13. Szilveszter, Sz., Raduly, B., **Ábrahám, B.** Lányi Szabolcs, *In Situ Imaging of Biopolymers and Extracellular Enzymes in Activated Sludge Flocs of a Municipal Wastewater Treatment Plant*, J Chem Technol Biot, JCTB-12-0545, 2013, Jun 4. (IF: 2.168, SRI: 1.63; EF: 0.010492; AI: 0.52)
14. Kovács E., Szilágyi L., Koncz G., Lányi Sz., **Ábrahám B.**, *Enhanced in vitro refolding of soluble human Glucocorticoid-Induced TNF Receptor- Related Ligand*, 2013, Appl Biochem Biotechnol. 2013 Jun;170 (4):819-30 IF: 1,93
15. Bálint, E.É., Petres, J., Szilágyi, L., Orbán, K.Cs., **Ábrahám, B.**, *Fluorescence of a histidine-modified Enhanced Green Fluorescent Protein (EGFP) effectively quenched by copper(II) ions*. Journal of Fluorescence, ISSN 1573-4994, 2013, (IF: 2.107 , SRI: 1.373; EF: 0.006613; AI: 0.6153)

2012

16. Laslo, É., György, É., Mara, Gy., Tamás, É., **Ábrahám, B.**, Lányi, Sz.: *Screening of plant growth promoting rhizobacteria as potential microbial inoculants*, Crop Protection 40, p.43-48, ISSN: 0261-2194, 2012, (IF:1.402, SRI:1.39; EF: 0.008022; AI: 0.46)

17. Gálicza, J., Vargová, A., Sándor, V., Orbán, K.Cs., András, Cs.D., **Ábrahám, B.**, Lányi, Sz., Kilár, F., *Preparation and investigation of bioactive transferrin-iron complexes formed with different synergistic anions*, The Protein Journal, 31, 27–34, ISSN 1572-3887, 2012, (IF: 1.038, EF: 0.001445; AI: 0.27)

18. Szabó (Pálfi), M., Petres, J., Szilágyi, L., Miklóssy, I., **Ábrahám, B.**, Lányi, Sz., *Possible application of metal sensitive re fluorescent proteins in environmental monitoring*. Environmental Engineering and Management Journal, 11 (1), 193-198, 2012, (IF: 1; EF: 0.000525; AI: 0.0665)

19. Szilveszter, Sz., Raduly, B., Bucs, Sz., **Ábrahám, B.**, Lányi, Sz., Robescu, N., *Activated Sludge Floc Characterization by Confocal Laser Scanning Microscopy*, EEMJ, 11 (3): 669-674, 2012 (I.F: 1; EF: 0.000525; AI: 0.0665)

20. **Ábrahám, B.**, Orbán, K.Cs., András, Cs.D., Salamon, R., Dima, R., Lányi, Sz., *Methanol concentration determination in Pichia fermentation systems. Cheap, online alcohol sensor*, Studia Universitatis Babes Bolyai Seria Chemia, ISSN 1224-7154, 2012, (IF: 0.231; EF: 0.000525; AI: 0.0113), acceptat.

21. Szabó (Pálfi), M., Bálint, E., Miklóssy, I., Szilágyi, L., **Ábrahám, B.**, Lányi, Sz.: *Comparative study of green fluorescent protein mutants*, Studia Universitatis Babes-Bolyai Chemia, ISSN 1224-7154, 2012 (IF: 0.231, EF: 0.000525; AI: 0.0113), acceptat.

22. Miklóssy, I., Orbán, K.Cs., Bálint, E., **Ábrahám, B.**, Lányi, Sz., *Contributions to redesigning specificity of the ancestral proteinase stemzyme-IDP- β* , Studia Universitatis Babes-Bolyai Chemia, ISSN 1224-7154, 2012 (IF: 0.231, EF: 0.000525; AI: 0.0113), acceptat.

2010

23. András, CD; Csajagi, C; Orban, CK; Albert, C; **Abraham, B**; Miklossy, I, *A possible explanation of the germicide effect of carbon dioxide in supercritical state based on molecular-biological evidence*. Medical Hypotheses, ISSN 0306-9877, 74 (2), pp. 325-329, 2010, (IF: 1.150; EF: 0.0127; AI: 0.3208)

24. Szilveszter, S; Ráduly, B; **Ábrahám, B.**, Lányi, Sz., Niculae, *Mathematical models for domestic biological wastewater treatment process*, Environmental Engineering and Management Journal, 9, 5, 629-636, 2010 (IF:1; EF: 0.000525; AI: 0.0113)

25. Bálint, E., Miklóssy, I., **Ábrahám, B.**, Szilágyi, L., Lányi, Sz., *Heterologous expression of Granzyme H in Escherichia coli*. Studia Universitatis Babes-Bolyai Chemia, ISSN 1224-7154, (Special Issue): p. 5-9, 2010, (IF: 0.231, EF: 0.000525; AI: 0.0113)
26. Bodor, Zs., Orbán, K.Cs., Miklóssy, I., Juhász K., **Ábrahám, B.**, Lányi, Sz., *Heterologous expression of Bacillus Licheniformis α -amylase in Pichia pastoris*, Studia Universitatis "Babeş Bolyai", Seria Chemica, 55, Special Issue 9-22, 2010 (I.F.=0.231, EF: 0.000525; AI: 0.0113)
27. Both, E., György É., **Ábrahám, B.**, Miklóssy, I., Lányi, Sz., *Selection of lactic acid bacteria isolated from traditionally manufactured cheeses*, Studia Universitatis "Babeş Bolyai", Seria Chemica, Special Issue 23-30, 2010 (I.F.=0.231; EF: 0.000525; AI: 0.0113)
28. Harai (Molnos), É., Szilveszter, Sz., **Ábrahám, B.**, Nagy, I., Lányi, Sz., Munteanu, O. *Biohydrogen production with photosynthetic bacteria*. Studia Universitatis Babes-Bolyai Seria Chemia, Vol. 54, Special Issue 2, pp 61-68, 2010, (I.F.=0.231; EF: 0.000525; AI: 0.0113)
29. Gálicza, J., Orbán, K.Cs., Kilár, F., Miklóssy, I., **Ábrahám, B.**, Lányi, Sz. *Preparation and modelling of the structure of transferrin-Fe³⁺-aziridine-carboxylate complex*, Studia Universitatis "Babeş Bolyai", Seria Chemica, Special Issue 45-52, ISSN 1224-7154, 2010, (I.F.=0.231; EF: 0.000525; AI: 0.0113)
30. Kovács, E., Szabó, M., Miklóssy, I., Szilágyi, L., **Ábrahám, B.**, Lányi, Sz., *Purification and cleaving of the human GITRL expressed as fusion protein*, Studia Universitatis Babes Bolyai Seria Chemica, 55, Special Issue 81-88. , 2010, (IF: 0.231; EF: 0.000525; AI: 0.0113)
31. Szilveszter, Sz., Ráduly, B., Miklóssy, I., **Ábrahám, B.**, Lányi, Sz., Robescu N.D., *Lab scale sequencing batch reactor (sbr) construction and characterization for dynamic modeling with activated sludge model (ASM)*. Studia Universitatis Babes-Bolyai Seria Chemia, Vol. 55 Special Issue, pp 119-133, 2010, (I.F.=0.231; EF: 0.00005; AI: 0.0113)
32. György, É., Mara, Gy., Máthé, I., Laslo, É., Márialigeti, K., **Albert, B.**, Oancea, F., Lányi, Sz.: *Characterization and diversity of the nitrogen fixing microbiota from a specific grassland habitat in the Ciuc Mountains*, Roumanian Biotechnological Letters, 15, 4, p. 5474-5481, ISSN 1224-5984, 2010 (I.F.=0.219; EF: 0.000164; AI: 0.0333).

33. Both, E., Kibédi Szabó, Cs. Z., György, É., Tamás, É., Miklóssy, I., **Ábrahám, B.**, Lányi, Sz., *Verification of Probiotic Bacterial Properties: Tolerance to Digestive Juices and Adhesion to Epithelial Cells of Lactobacillus acidophilus La-5 and Lactobacillus casei 01*, Studia Universitatis “Babeş Bolyai”, Seria Chemica, Special Issue 2 , p. 27, ISSN 1224-7154, 2009 (IF: 0.089; EF: 0.000525; AI: 0.0665)

34. Harai Molnos, É., Szilveszter, Sz., **Ábrahám, B.**, Nagy, I., Lányi, Sz., Muntean, O., *Biohydrogen Production with Photosynthetic Bacteria*, Studia Universitatis “Babeş Bolyai”, Seria Chemica, Special Issue 2, p. 61, ISSN 1224-7154, 2009, (IF: 0.089, EF: 0.000525; AI: 0.0113)

35. Kapás, Á., **Ábrahám, B.**, András, C. D., Lányi, Sz., Dobre, T. G. *Obtaining and Identification of Bioactive Compounds from Ligularia sibirica (L.) Cass*, Studia Universitatis “Babeş Bolyai”, Seria Chemica, Special Issue 2, p. 21, ISSN 1224-7154, 2009 (IF: 0.089; EF: 0.000525; AI: 0.0113)

36. Kovács, E., Pálfi, M., Miklóssy, I., Szilágyi, L., **Ábrahám, B.**, Lányi, Sz., *Construction of an Expression Vector for the GITRL Protein*, Studia Universitatis Babes Bolyai Seria Chemica, 54, Special Issue 2 : 83-92, 2009 (IF: 0.089; EF: 0.000525; AI: 0.0113)

37. Laslo, É., György É., Mara, G., Tamás É., Máthé, I., **Ábrahám, B.**, Lányi, Sz., *Applied Microbial Technology: Solubilization of Inorganic Phosphate and Producing Siderophore by Isolated Nitrogen Fixing Bacteria*, Studia Universitatis “Babeş Bolyai”, Seria Chemica, Special Issue 2, p. 53, ISSN 1224-7154, 2009 (IF: 0.089; EF: 0.000525; AI: 0.0113)

38. Miklóssy, I., Szilágyi, L., **Ábrahám, B.**, Szilveszter, Sz., Lányi, Sz. *Obtention of the Ancestral Proteinase Stemzyme-IDP- β by Heterologous Expression*, Studia Universitatis “Babeş Bolyai”, Seria Chemica, Special Issue 2, p. 11, ISSN 1224-7154, 2009 (IF: 0.089; EF: 0.000525; AI: 0.0113)

39. Pálfi, M., Kovács, E., Miklóssy, I., Szilágyi, L., **Ábrahám, B.**, Lányi, Sz., *Engineered Green Fluorescent Protein as a Potential Metal Sensor*, Studia Universitatis “Babeş Bolyai”, Seria Chemica, 54, Special Issue 2 35-44., 2009 (IF: 0.089; EF: 0.000525; AI: 0.0113)

40. Szilveszter, Sz., Ráduly, B., Miklóssy, I., **Ábrahám, B.**, Lányi, Sz., D. R. Nicolae, *Enzymatic Activity Studies of Biological Wastewater Treatment*, Studia Universitatis "Babeş Bolyai", Seria Chemica, Special Issue 2, p. 113, ISSN 1224-7154, 2009 (IF: 0.089; EF: 0.000525; AI: 0.0113)
41. Tamás É., Mara, G., Laslo, É., György É., **Ábrahám, B.**, Lányi, Sz., *Analysis of Biofilm Production, Swarming and Swimming Motility of Pseudomonas Strains*, Studia Universitatis "Babeş Bolyai", Seria Chemica, Special Issue 2, p. 45, ISSN 1224-7154, 2009 (IF: 0.089; EF: 0.000525; AI: 0.0113)

2003

42. A. Văcaru, **B. Albert**, G. Petrăreanu, Sz. Lányi, . Szedlacsek, *Optimisation of the heterologues expression and preliminary characterization of the catalytic domain of protein tyrosine phosphatase PTP-BL*, Rom. J. Biochem, 40, 71-76, 2003

C2. Lucrări științifice publicate în reviste indexate în baze de date internaționale (indicați și baza de date).

2013

1. Bodor, Zs., Fazakas (Iuhasz) A., Lányi Sz., **B. Abraham**, *In silico modelling and metabolic engineering of Escherichia coli to succinic acid*, UPB Scientific Bulletin Series B: Chemistry and Materials Science, ISSN 1454-2331, acceptat, **2013**, Indexat în: SCOPUS, ELSEVIER SCIENCES'S BIBLIOGRAPHIC DATABASES, CAMBRIDGE SCIENTIFIC ABSTRACTS,

2012

2. **Ábrahám, B.**, Orbán, K.Cs., Dima, R., Lányi, Sz., *Heterologous expression of pullulanase from Fervidobacterium pennivorans in E. coli*, UPB Scientific Bulletin Series B: Chemistry and Materials Science, ISSN 1454-2331, acceptat, **2012**, Indexat în: SCOPUS, ELSEVIER SCIENCES'S BIBLIOGRAPHIC DATABASES, CAMBRIDGE SCIENTIFIC ABSTRACTS, etc..
3. Bálint, E., Szilágyi, L., Miklóssy, I., Lányi, Sz., **Ábrahám, B.**, *Design of secretion vector constructs for Granzyme H expression*. UPB Scientific Bulletin Series B: Chemistry and Materials Science, ISSN 1454-2331, 74(1). **2012**, Indexat în: SCOPUS, ELSEVIER SCIENCES'S BIBLIOGRAPHIC DATABASES, CAMBRIDGE SCIENTIFIC ABSTRACTS, etc.
4. Kovács, E., Iuhasz, A., Szabó, M., Szilágyi, L., **Ábrahám, B.**, Lányi, Sz., *Efficient refolding of the recombinant human glucocorticoid-induced TNF-related receptor ligand produced in E. coli as inclusion bodies*, UPB Scientific Bulletin Series B: Chemistry and Materials Science, 74, 1 15-20. **2012**, Indexat în: SCOPUS, ELSEVIER SCIENCES'S BIBLIOGRAPHIC DATABASES, CAMBRIDGE SCIENTIFIC ABSTRACTS, etc.

5. Benedek, T., Máthé, I., Táncsics, A., Márialigeti, K., **Albert, B.**, Lányi, Sz. *Intrinsic bioremediability of petroleum hydrocarbon contaminated sites in Romania: diversity of bacterial community, catechol dioxygenase and alkane-monooxygenase genes.* Scientific Bulletin Series B: Chemistry And Materials Science, 73, 4 51–62, **2011**, Indexat în: SCOPUS, ELSEVIER SCIENCES'S BIBLIOGRAPHIC DATABASES, CAMBRIDGE SCIENTIFIC ABSTRACTS, etc.
6. Laslo, É., György É., Máthé, I., Mara Gy., Tamás É., **Ábrahám, B.**, Lányi, Sz.: *Replacement of the traditional fertilizer with microbial technology: isolation and characterization of beneficial nitrogen fixing rhizobacteria* Scientific Bulletin Series B: Chemistry And Materials Science, 73, 1, p. 109-114, ISSN 1454-233, **2011**, Indexat în: SCOPUS, ELSEVIER SCIENCES'S BIBLIOGRAPHIC DATABASES, CAMBRIDGE SCIENTIFIC ABSTRACTS, etc.

7. **Ábrahám, B.**, Miklóssy, I., Kovács, E., Tamás, É., Mészáros, I., Szilveszter, Sz., Brezeanu, A., Lányi, Sz., *Genetic Analysis of Pinus sylvestris L. and Pinus sylvestris forma turfosa L. Using RAPD Markers*, Notulae Scientia Biologicae, ISSN 2067-3205, Vol. 2, Nr. 1, p129-132, **2010**., Indexat în Elton B Stephens COmpany (EBSCO), Centre for Agriculture and Biosciences International (CABI), ProQuest-CSA (Cambridge Scientific Abstracts), Index Copernicus, etc.
8. Both, E., György, É., Kibédi Szabó, CS. Z., Tamás, É., **Ábrahám, B.**, Miklóssy, I., Lányi, Sz. *Acid and bile tolerance, adhesion to epithelial cells of probiotic microorganisms*, University Politehnica of Bucharest, Scientific Bulletin Series B: Chemistry and Materials Science, 72(2), ISSN 1454-233, 2010, Indexat în: SCOPUS, ELSEVIER SCIENCES'S BIBLIOGRAPHIC DATABASES, CAMBRIDGE SCIENTIFIC ABSTRACTS, etc
9. Pálfi, M., Kovács, E., Szilágyi, L., Miklóssy, I., **Ábrahám, B.**, Lányi, Sz., *Fluorescence quenching analysis of histidine-tagged enhanced green fluorescent protein*, UPB Scientific Bulletin Series B: Chemistry and Materials Science, 72, 2, 45-52, **2010**, Indexat în: SCOPUS, ELSEVIER SCIENCES'S BIBLIOGRAPHIC DATABASES, CAMBRIDGE SCIENTIFIC ABSTRACTS, etc.
10. Szilágyi, L., **Ábrahám, B.**, Miklóssy, I., Szilveszter, Sz., Gálicza, J., Lányi, Sz., *Modeling studies on the ancestral proteinase stemzyme IDP-B*, University Politehnica Of Bucharest, Scientific Bulletin Series B: Chemistry And Materials Science, 72, 2, 161-168, **2010**, Indexat în: SCOPUS, ELSEVIER SCIENCES'S BIBLIOGRAPHIC DATABASES, CAMBRIDGE SCIENTIFIC ABSTRACTS,
11. Szilveszter, Sz., Miklóssy, I., Mészáros, S., **Ábrahám, B.**, Ráduly, B., Robescu, D. N., Lányi, Sz., *Enzyme activities and distribution in activated sludge in a lab-scale sequencing batch reactor (SBR)*, University Politehnica Of Bucharest, Scientific Bulletin Series B: Chemistry And Materials Science, 72, 2, 141-150, **2010**, Indexat în: SCOPUS, ELSEVIER SCIENCES'S BIBLIOGRAPHIC DATABASES, CAMBRIDGE SCIENTIFIC ABSTRACTS, etc.

12. Tamás, É., Mara, Gy., Laslo, É., György, É., Máthé, I., **Ábrahám, B.**, Lányi, Sz.: *Microbial products as natural alternative to fertilisers: isolation and characterisation of nitrogen fixing bacteria*, Scientific Bulletin Series B: Chemistry And Materials Science, 72, 3, p. 137-144, ISSN 1454-233, **2010**, Indexat in: SCOPUS, ELSEVIER SCIENCES'S BIBLIOGRAPHIC DATABASES, CAMBRIDGE SCIENTIFIC ABSTRACTS, etc.

2007

13. G. Pohn, Cs. Albert, Sz. Salamon, Sára, P. Sára, **B. Albert**, Zs. Csapó-Kiss, J. Csapó: *Effect of microorganisms on the D-amino acid content of milk*. Krmiva. **2007**. 49. 1. 15-21. p. ISSN: 0023-4850 (Indexat in: CABI Database, Referativny Zhurnal, Agricola)
14. Cs. Albert, K. Lóki, Sz. Salamon, **B. Albert**, P. Sára, Zs. Csapó-Kiss, J. Csapó.: *Effect of total germ number in raw milk on free amino acid and free D-amino acid content of various dairy products*. Krmiva. **2007**. 49. 1. 29-35. p. ISSN: 0023-4850 (Indexat in: CABI Database, Referativny Zhurnal, Agricola)
15. R. Salamon, K. Lóki, Sz. Salamon, P. Sára, **B. Albert**, Zs. Mándoki, Zs. Csapó-Kiss, A. Győri, Z. Győri, J. Csapó: *Changes in the fatty acid composition of different milk products caused by different technology*. Agriculture. **2007**. 13. 1. 189-191. p. ISSN: 1330-7142 (Indexat in: CABI Database)
16. **Abraham, M.** Pálfi, E. Both, É. Laslo, Sz. Lányi, *A mezőgazdaság hatása a csíki medence lápjainak vegetációjára (Efectul agriculturii asupra vegetatiei turbăriilor din bazinul Ciucului, lb. maghiară)* Acta Agraria Kaposvariensis, Kaposvár, Acceptat pentru publicare, ISSN 1418-1789 (Indexat in: CABI Database)
17. Cs. Albert, G. Pohn, K. Lóki, Sz. Salamon, **B. Albert**, P. Sára, Zs. Mándoki, Zs. Csapó-Kiss, J. Csapó.: *Effect of microorganisms on free amino acid and free D-amino acid content of various dairy products*. Agriculture. **2007**. 13. 1. 192-196. p. ISSN: 1330-7142 (Indexat in: CABI Database)
18. R. Salamon, K. Lóki, Sz. Salamon, **B. Albert**, P. Sára, A. Győri, Z. Győri, Zs. Csapó-Kiss, J. Csapó: *Tej és tejtermékek zsírsav-összetételének változása színtenyészetek hatására, valamint a mikrohullámú kezelés során. (Schimbarea in compozitia acizilor grasi in lapte si produse lactate in urma tratamentului cu microunde)* Acta Agraria Kaposváriensis. **2007**. 11. 3. 24-35. p. ISSN 1418-178 (Indexat in: CABI Database)
19. Cs. Albert, G. Pohn, K. Lóki, Sz. Salamon, **B. Albert**, P. Sára, Zs. Csapó-Kiss, J. Csapó. *A nyerstej mikroorganizmusainak hatása tej és tejtermékek szabadaminosav-és szabad D-aminosav-tartalmára. (Efectul microorganismelor din laptele crud asupra continutului in aminoacizi a produselor lactate)* Acta Agraria Kaposváriensis, **2007**. 11. 3 (Indexat CABI Database)

C5. Lucrări științifice publicate în reviste, altele decât cele menționate anterior

2013

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F. Brevete de invenții și alte titluri de proprietate

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Oancea Florin, Dinu Sorina, Popescu Ana, Mathe Istvan, **Beata Abraham**, Lanyi Szabolcs, *Tulpina de Paenibacillus graminis care favorizeaza nodularea plantelor leguminoase*, Brevet de inventie Nr. 125651

Oancea Florin, Constantinescu Florica, Dinu Sorina, Siciua Oana, Gyongyver Mara, **Beata Abraham**, Lanyi Szabolcs, *Procedeu de tratare a solului cu microorganisme bio/agroinoculante*, Brevet de inventie, Nr. 125670

Oancea Florin, Siciua Oana, Dinu Sorina, Gyorgy Eva, **Beata Abraham**, Lanyi Szabolcs, *Procedeu de izolare a bacteriilor fixatoare de azot in simbioza din nodozitatile plantelor leguminoase*, Brevet de inventie, Nr. 125669

G. Contracte de cercetare (menționați calitatea de director sau membru)

Proiecte de cercetare, granturi	Funcția	Perioada
CEEX/ „Optimizarea moleculara a unei enzimei centrale din calea metabolica a conversiei xilozei. Reactor optimizat pentru transformarea enzimatica a xilozei rezultate din deseurile celulozice” OMEXIL Nr. Contract: 1/06.10.2005	Membru	2005-2008
CEEX/ Retea integrata de cercetare pentru constituirea unei platforme tehnologice de biomateriale avansate, compatibila EuMaT – ADVABIOMAT Nr. Contract: 54/20.07.2007	Membru	2006-2009
CEEX/ Diagnoză și predicție inteligentă și activă a construcțiilor cu structura de rezistență in mediul înconjurător complex poluat – DIRECTOR Nr. Contract: 136/02.10.2006	Membru	2006-2009
CEEX/ “Impactul câmpurilor electromagnetice de	Membru	2006-2009

natură antropică asupra ecosistemelor – ICEMECOS” Nr. Contract: X2C37/04.10.2006		
CEEX/ Cercetari teoretice si experimentale asupra sistemelor expert de exploatare optima a proceselor tehnologice de epurare a apelor uzate din statiile de epurare orasenesti si industriale – SCAPEAU Nr. Contract: 147/2006	Membru	2006-2009
CEEX/ “Cercetari privind creșterea siguranței alimentare prin utilizarea unor procese neconvenționale de tratare termică a unor produse alimentare lichide”- SIGMA Nr. Contract: 40/01.08.2006	Membru	2006-2009
Programul 4 PNCDI2/ Interactiibio / non-bio implicate in design-ul tesuturilor tari – INTESTA Nr. Contract: 41-059/14.09.2007	Membru	2007-2010
Programul 4 PNCDI2/ Sistem Informatic Integrat, Bazat Pe Inteligenta Artificiala, Pentru Examinarea Cererilor De Brevet De Inventie – EXAMBREV Nr. Contract: 11-076/18.09.2007	Membru	2007-2010
Programul 4 PNCDI2/Cercetari interdisciplinare privind valorificarea energetica a subproduselor din industria laptelui VESPIL Nr. Contract: 31-096/2007	Responsabil de proiect	2007-2010
Programul 5 INOVARE/ Tehnologie Si Echipament Pentru Pasteurizarea Laptelui Si A Smantanii In Camp De Microunde – MICROPAST Nr. Contract: 88/25.09.2007	Responsabil de proiect	2007-2010
Programul 5 INOVARE/ Tehnologii Inovative De Fabricare A Produselor Lactate Functionale In Conditii De Siguranta Alimentara – INOVATEC Nr. Contract: 89/25.09.2007	Responsabil de proiect	2007-2010
Programul 5 INOVARE/ Cresterea Competitivitatii Produselor Lactate Simbiotice Fabricate La SC Lactis SRL- Odorheiu Secuiesc Prin Imbunatatirea Calitatii Laptelui Materie Prima Si Optimizarea Si Dezvoltarea Activitatii De Marketing – SINBIOMARK Nr. Contract: 98/28.09.2007	Responsabil de proiect	2007-2010
Programul 5 INOVARE/ Aplicarea Tehnologiilor De Preepurare A Apelor Uzate In Reteaua De Canalizare – ATARC Nr. Contract: 25/24.09.2007	Responsabil de proiect	2007-2010
Programul 5 INOVARE/ Conceperea, Realizarea Și Experimentarea Unui Sistem Performant De Transfer A Oxigenului În Reactoare Biologice Aerate – TEOFIT Nr. Contract: 21/21.09.2007	Responsabil de proiect	2007-2010
Programul 5 INOVARE/ Sistem Informatic De Monitorizare Si Control A Statiilor De Epurare A Apelor Uzate Prin Utilizarea Sistemelor Distribuite	Responsabil de proiect	2007-2010

Multi-Agent Si A Unor Algoritmi Avansati De Reglare Automata – AICSYS <i>Nr. Contract: 30/24.09.2007</i>		
Programul 4 PNCDI2/Sistem Bioinformatic Bazat pe Inteligența Artificială pentru Monitorizarea Sistemului Imunitar în Corelație cu Procesele Metabolice din Organismul Uman –MONIMUN <i>Nr. Contract: 62-073/01.10.2008</i>	Membru	2008-2011
Programul 4 PNCDI2/ Reproiectarea Specificității Enzimatică prin Evoluție Dirijată. Elaborarea unei Serin-Proteaze Specifice pentru Clivarea C-terminală a Fosfotirozinei. PHOSPHOTYRASE <i>Nr. Contract: 61-027/14.09.2007</i>	Membru	2007-2010
Programul 4 PNCDI2/ Inoculanti Microbieni Pentru Sisteme De Agricultura Durabila – MIMOSA <i>Nr. Contract: 31-048/14.09.2007</i>	Membru	2007-2010
Programul 4 PNCDI2/ Procedeu de obtinere de bioetanol din deseuri Agroalimentare Tratate cu Enzime Termostabile Recombinate, Obținute prin Expresie Heterologa Extracelulară – Bio-DesEnEx <i>Nr. Contract: 62-090/01.10.2008</i>	Director de proiect	2008-2011
Programul 4 PNCDI2/ Elucidarea mecanismului de Reglare Fină a Răspunsului Imun în Patologia Neoplazică și Inflamatorie Umană în vederea Elaborării unor Terapii Inovative – ERIC <i>Nr. Contract: 42-147/01.10.2008</i>	Membru	2008-2011
Programul Operational Sectorial Axa 2.1.1/ Biopreparate microbiene pentru creșterea productivității și protecția culturilor agricole-BIOPREP <i>Nr. Contract: 169/16.06.2010</i>	Membru	2010-2012
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Programul Operational Sectorial Axa 2.1.1./Biopreparate microbiene pentru creșterea calitatii furajelor insilozate-SILOPREP <i>Nr. Contract 565/09.09.2013</i>	Director de proiect	2013-2015

III. RECUNOAȘTEREA

J. Citări

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