

Curriculum vitae

Informații personale

Nume/Prenume Lányi Szabolcs
Adresa Str.Mikó Nr. 21, Miercurea Ciuc, județul Harghita, Romania
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Data și locul nașterii 18 februarie 1946, comuna Gurghiu, județul Mureș

Funcția și locul de muncă (universitatea, facultatea, catedra) Profesor universitar, Universitatea Sapientia, Facultatea de Științe Sociale și Tehnice, Departamentul de Bioinginerie

Educație și formare

Institutia	Perioada	Titlul obținut
Institutul Politehnic Bucuresti, Facultatea de Chimie Industrială	1982	Doctor inginer
Institutul Politehnic Bucuresti, Facultatea de Chimie Industrială,	1963-1968	Inginer chimist

Experiența profesională

Funcția	Perioada	Institutia
Profesor universitar	2004- prezent	Universitatea Sapientia, Facultatea de Științe Sociale și Tehnice, Catedra de Științe Tehnice și Naturale
Decan, profesor universitar	2000-2004	Universitatea Sapientia Campusul Miercurea Ciuc
Președinte, ANSTI	1999- 2000	Agenția Națională pentru Știință Tehnologie si Inovare
Secretar de Stat	1998	Ministerul Industriei si Comerțului
Consilier	1996-1997	Ministerul Mediului Apelor si Protecției Mediului
Profesor universitar	1968-2005	Universitatea Politehnica, Catedra de Tehnologie Chimica Anorganica si Protectia Mediului

Alte funcții deținute (nedidactice)

1996-1997, Consilier, Ministerul Mediului Apelor si Protecției Mediului, București
1998, Guvernul Romaniei, Secretar de Stat Ministerul Industriei si Comerțului, București
1999- 2000, Guvernul Romaniei, Președinte ANSTI, (Agenția Națională pentru Știință Tehnologie si Inovare)
2000-2004, Decan, Universitatea Sapientia Campusul, Miercurea Ciuc

Limbi străine cunoscute

Engleza: avansat
Franceză: avansat
Germana: mediu

Activitatea didactică (cursuri, seminarii, lucrări practice conduse)

Disciplina	Perioada		
	Curs	Lucrari practice	Proiecte
Ecologie și protecția mediului I	2003-prezent		
Poluarea și protecția mediului	2003-prezent		
Bazele cercetării științifice în ingineria mediului		2003-prezent	2003-prezent

Domeniul de cercetare

Biotehnologie

Membru în organizații științifice și profesionale naționale și internaționale

Membru a organizațiilor:

Membru fondator al Societății Independente de Protecția Mediului

Membru al Societății de Chimie din România

Membru fondator al Societății Managerilor de Mediu

Membru al colegiului de redacție al revistei : Science and technology of ENVIRONMENTAL PROTECTION

Membru al Consiliului National al Cercetării Științifice din Învățământul Superior (CNCSIS)

Expert al UNESCO în politica științei

Membru în colective de redacție (de specialitate)

Science and Technology of Environmental Protection

Lista de lucrări

A. Teza de doctorat

Purificarea gazelor industriale. Îndepărtarea oxizilor de sulf din gazele de ardere prin adsorbție pe cărbuni activi.

C. Lucrări științifice publicate

C1. Lucrări științifice publicate în reviste cotate ISI

1. Péterffy (Petres), J., Szabó, M., Szilágyi, L., Lányi, Sz., Ábrahám, B.: *Fluorescence of a Histidine-Modified Enhanced Green Fluorescent Protein (EGFP) Effectively Quenched by Copper(II) Ions. Part II. Molecular Determinants*, Journal of Fluorescence, **2015**
2. Tánacsics A , Benedek T , Szoboszlay S , Veres P G , Farkas M , Máthé I , Márialigeti K , Kukolya J , Lányi Sz , Kriszt B.: *The detection and phylogenetic analysis of the alkane 1-monooxygenase gene of members of the genus Rhodococcus*, Systematic And Applied Microbiology, 38: pp. 1-7. **2015**
3. Bodor, Zs., Fazakas (Iuhasz), A., Kovács, E., Lányi, Sz., Albert, B.: *Biotechnological production of succinic acid from glycerol; the role of co-substrates*, Studia Universitatis Babes-Bolyai, Seria Chemia, ISSN 1224-7154, 55, Iss. 2, **2014**
4. Fazakas (Iuhasz) A., Bodor Zs., Kovács E., Laslo É., Lányi Sz., Ábrahám B.: *Isolation of succinic acid-producing Escherichia coli from animal faeces*. Studia Universitatis Babes-Bolyai Seria Chemia, ISSN 1224 -7154, 55, Iss. 1, **2014**, pp. 177-185
5. Bodor, Zs., Fazakas (Iuhasz), A., Kovács, E., Lányi, Sz., Albert, B: *Systems biology and metabolic engineering for obtaining E. coli mutants capable to produce succinate from renewable resources*, Romanian Biotechnological Letter, ISSN 1224-5984, 19, Nr. 4, **2014**
6. Gyenge, L., Ráduly, B., Crognale, S., Stazi, S. R., Lányi, Sz., Ábrahám, B.: *Evaluation of two different inocula for biogas production from corn bioethanol by-products*, Environmental Engineering and Management Journal, ISSN 1582-9596, **2014**
7. Gyenge, L., Ráduly, B., Crognale, S., Lányi, Sz., Ábrahám, B.: *Cultivating conditions optimization of the anaerobic digestion of corn ethanol distillery residuals using*

response surface methodology. Central European Journal of Chemistry, ISSN 1644-3624, 12(8), pp. 868-876, aug. **2014**

8. Táncsics, A., Benedek, T., Szoboszlay, S., Veres, P. G., Farkas, M., Máthé, I., Márialigeti, K., Kukolya, J., Lányi, S., Kriszt, B.: *The detection and phylogenetic analysis of alkane 1-monooxygenase gene of members of the genus Rhodococcus*, Systematic and Applied Microbiology, 11/**2014**; DOI: 10.1016/j
9. Gálicza J., Fischer-Fodor É., Takácsi-Nagy A. E., Vargová A., Ábrahám B., Lányi Sz., Kilár F.: *Internalization and cytotoxicity assays of transferrin complexes into stem cell-like glioblastoma cells*, Studia Universitatis Babeş-Bolyai Chemia: 2013(3) pp. 33-42., **2013**
10. Szilveszter, Sz., Raduly, B., Abraham, B. Lányi Sz.: *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**
11. Nyilasi, A., Molnos, É., Lányi, Sz., Nagy, I., Rákhely, G., Kovács, K.L.: *Photofermentative production of hydrogen from organic acids by the purple sulfur bacterium Thiocapsa roseopersicina*, International Journal of Hydrogen Energy, p:1-10, **2013**
12. Benedek, T., Vajna, B. , Táncsics, A., Márialigeti, K. , Lányi, Sz., Máthé, I.: *Remarkable impact of PAHs and TPHs on the richness and diversity of bacterial species in surface soils exposed to long-term hydrocarbon pollution*, World Journal of Microbiology and Biotechnology, 29(11):1989-2002, doi: 10.1007/s11274-013-1362-9, **2013**
13. Szentes, S., Mara, Gy., Laslo, É., Lányi, Sz., Radu, G.L.: *Selection and Evaluation of Potential Biocontrol Rhizobacteria from a Raised Bog Environment*, Crop Protection52 (2013) 116-124, ISSN: 0261-2194
14. Szentes, S., Mara, Gy., Laslo, É., Lányi, Sz., Radu, G.L.: *Selection and Evaluation of Potential Biocontrol Rhizobacteria from a Raised Bog Environment*, Crop Protection, **2013**.
15. Benedek, T., Vajna, B. , Táncsics, A., Márialigeti, K. , Lányi, Sz., Máthé, I.: *Remarkable impact of PAHs and TPHs on the richness and diversity of bacterial species in surface*

soils exposed to long-term hydrocarbon pollution, World Journal of Microbiology and Biotechnology, **2013**.

16. Kovács E., Szilágyi L., Koncz G., Lányi Sz., Ábrahám B., *Enhanced in vitro refolding of soluble human Glucocorticoid-Induced TNF Receptor- Related Ligand*, Applied Biochemistry and Biotechnology, **2013**.
17. Nyilasi, A., Molnos, É., Lányi, Sz., Nagy, I., Rákhely, G., Kovács, K.L.: *Photofermentative production of hydrogen from organic acids by the purple sulfur bacterium Thiocapsa roseopersicina*, International Journal of Hydrogen Energy, p:1-10, **2013**.
18. Máthé, I., Benedek, T., Táncsics, A., Palatinszky, M., Lányi, Sz., Márialigeti, K. *Diversity, activity, antibiotic and heavy metal resistance of Bacteria from petroleum hydrocarbon contaminated soils located in Harghita county (Romania)*. International Biodeterioration & Biodegradation, 73: 41-49, **2012**.
19. 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**.
20. 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. DOI:JOPC-D-11-00115R1, **2012**.
21. Laslo, É., György, É., Mara, Gy, Szentes, S., Salamon R., V., András, Cs., D., Lányi, Sz.: *The management of N and P nutrition of plants using nitrogen fixing and phosphorus solubilizing bacteria*, Environmental Engineering and Management Journal, 10, 2, p.1589-1593, ISSN 1582-9596, **2012**.
22. Tamás, É., Mara, Gy., Máthé, I., Laslo, É., György, É., Lányi, Sz.: *Isolation, characterization and identification of nitrogen and phosphorus mobilizing bacteria*. Environmental Engineering and Management Journal, 11(3): 675-680, **2012**.
23. 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**.

24. Szilveszter, Sz., Raduly, B., Bucs, Sz., Abraham, B., Lányi, Sz., Robescu, N., *Activated Sludge Floc Characterization by Confocal Laser Scanning Microscopy*, EEMJ, 11 (3): 669-674, **2012**.
25. Benedek Tibor, Máthé István, Salamon Rozália, Rákos Szabolcs, Pásztóhy Zoltán, Márialigeti, Károly, Lányi Szabolcs: *Potential bacterial soil inoculant made up by Rhodococcus sp. and Pseudomonas sp. for remediation in situ of hydrocarbon- and heavy metal polluted soils*, Studia Universitatis Babeş-Bolyai Chemia, ISSN 1224-7154, **2012**.
26. 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**.
27. 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 1454-2331, **2011**.
28. Szentes, S., Mara, Gy, Tamás, É, Lányi, Sz., Radu, G.L., *Preliminary data on Borsáros raised bog natural reserve Bryophyte associated bacteria*. University Politehnica of Bucharest, Scientific Bulletin Series B: Chemistry and Materials Science, 73, 1 109-114, **2011**.
29. Éva Tamás, Gyöngyvér Mara, Éva Laslo, Éva György, Lehel Kémenes, Szabolcs Lányi: *Natural alternative soil fertilization: analysis of plant growth promoting activity of selected soil bacteria*, Agrisafe Final Conference, pag. 462-465, ISBN 978-963-8351-37-1, **2011**.
30. Kapás, A., András, C.D., Dobre, T.Gh., Vass, E., Székely, G., Stroescu, M., Lányi, S., Ábrahám, B.: *The kinetic of essential oil separation from fennel by microwave assisted hydrodistillation (MWHd)*. UPB Scientific Bulletin, Series B: Chemistry and Materials Science 73 (4), p. 113-120, ISSN 1454-2331, **2011**.
31. 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, 2, 1 129-132, **2010**.
32. Benedek, T., Máthé, I., Táncsics, A., Lányi, Sz., Márialigeti, K., *Investigation of hydrocarbon-degrading microbial communities of petroleum hydrocarbon contaminated soils in Harghita county, Romania*, Scientific Bulletin Series D, Mining, Mineral

Processing, Non-Ferrous Metallurgy, Geology and Environmental Engineering, 24, 2, **2010**.

33. 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**.
34. Laslo, É., György, É., Mara, Gy., Lányi, Sz.: *Effect of some environmental factors on selected bacteria isolated for microbial inoculants*, Scientific Bulletin of North University of Baia Mare Series D: 24, 2, p. 47-52, ISSN 1582-0548, **2010**.
35. Szentes, S., Mara, Gy., Lányi, Sz., Radu, G-L., *Isolation and characterization of antagonistic bacteria associated with bryophytes from Borsáros raised bog (Romania)*. Buletin Stiintific al Universităţii de Nord din Baia Mare. Seria D. 24, 2, p. 53-58, ISSN 1582-0548, **2010**.
36. 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**.
37. Szabó, M., Kovács, E., Szilágyi, L., Miklóssy, I., Ábrahám, B., Lányi, Sz., *Zöld fluoreszcens fehérje irányított mutagenézise és a mutáció hatásának vizsgálata*, Műszaki Szemle, 52 44-50, **2010**.
38. 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**.
39. 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**.
40. Benedek, T., Máthé, I., Tánicsics, A., Lányi, Sz., Márialigeti, K. *Investigation of hydrocarbon-degrading microbial communities of petroleum hydrocarbon contaminated soils in Harghita county, Romania*. Scientific Bulletin: Mining, Mineral Processing, Non-ferrous Metallurgy, Geology and Environmental Engineering - North University of Baia Mare, 24 (2): 15-24., **2010**.

41. Edina MIKLÓS, Frigyes WÁCZEK, György KÉRI, Szabolcs LÁNYI, László ÓRFI, *Synthesis of pyrazole derivatives, with biological activity in signal transduction therapy*, University Politechnica of Bucharest, Scientific Bulletin Series B: Chemistry and Materials Science, ISSN 1454-233, 72 (2), pp., **2010**.
42. Éva HARAI (MOLNOS), Árpád KAPÁS, Szabolcs LÁNYI, Beáta ÁBRAHÁM, Iosif NAGY, Ovidiu MUNTEAN, *Biohydrogen production by photofermentation of lactic acid using Thiocapsa roseopersicina*, University Politechnica of Bucharest, Scientific Bulletin Series B: Chemistry and Materials Science, ISSN 1454-233., 72 (2), pp. 151-160, **2010**.
43. 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**.
44. 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**.
45. 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**.
46. 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**.
47. 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**.
48. 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**.
49. 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**.

50. 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 Chimica, Special Issue 2, p. 45, ISSN 1224-7154, **2009**.
51. Mészáros, A., Lányi, Sz., Máté, Sz., Vasiliu, N., Vasiliu, D., *GIS-based Water Monitoring System and Modelling for Conservative and Reactive Pollutants, Applied on the Upper Basin of Olt River*, Revista de Chimie, vol. 59(9), p. 1045 – 1051, ISSN 0034 – 7752, **2008**.

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

52. 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**.
53. 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**.
54. Benedek, T., Máthé, I., Tánacsics, 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**.
55. 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 1454-2331, **2011**.
56. Szentes, S., Mara, Gy, Tamás, É, Lányi, Sz., Radu, G.L., *Preliminary data on Borsáros raised bog natural reserve Bryophite associated bacteria*. University Politehnica of Bucharest, Scientific Bulletin Series B: Chemistry and Materials Science, 73, 1 109-114, **2011**.
57. Éva Tamás, Gyöngyvér Mara, Éva Laslo, Éva György, Lehel Kémenes, Szabolcs Lányi: *Natural alternative soil fertilization: analysis of plant growth promoting activity of selected soil bacteria*, Agrisafe Final Conference, pag. 462-465, ISBN 978-963-8351-37-1, **2011**.

58. Kapás, A., András, C.D., Dobre, T.Gh., Vass, E., Székely, G., Stroescu, M., Lányi, S., Ábrahám, B.: *The kinetic of essential oil separation from fennel by microwave assisted hydrodistillation (MWHD)*. UPB Scientific Bulletin, Series B: Chemistry and Materials Science 73 (4), p. 113-120, ISSN 1454-2331, **2011**.
59. 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, 2, 1 129-132, **2010**.
60. Benedek, T., Máthé, I., Táncsics, A., Lányi, Sz., Márialigeti, K., *Investigation of hydrocarbon-degrading microbial communities of petroleum hydrocarbon contaminated soils in Harghita county, Romania*, Scientific Bulletin Series D, Mining, Mineral Processing, Non-Ferrous Metallurgy, Geology and Environmental Engineering, 24, 2, **2010**.
61. 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**.
62. Laslo, É., György, É., Mara, Gy., Lányi, Sz: *Effect of some environmental factors on selected bacteria isolated for microbial inoculants*, Scientific Bulletin of North University of Baia Mare Series D: 24, 2, p. 47-52, ISSN 1582-0548, **2010**.
63. Szentes, S., Mara, Gy., Lányi, Sz., Radu, G-L., *Isolation and characterization of antagonistic bacteria associated with bryophytes form Borsáros raised bog (Romania)*. Buletin Stiintific al Universităţii de Nord din Baia Mare. Seria D. 24, 2, p. 53-58, ISSN 1582-0548, **2010**.
64. 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**.
65. Szabó, M., Kovács, E., Szilágyi, L., Miklóssy, I., Ábrahám, B., Lányi, Sz., *Zöld fluoreszcens fehérje irányított mutagenézise és a mutáció hatásának vizsgálata*, Műszaki Szemle, 52 44-50, **2010**.
66. 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**.
67. 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**.
68. 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**.
69. Benedek, T., Máthé, I., Tánacsics, A., Lányi, Sz., Márialigeti, K. *Investigation of hydrocarbon-degrading microbial communities of petroleum hydrocarbon contaminated soils in Harghita county, Romania*. Scientific Bulletin: Mining, Mineral Processing, Non-ferrous Metallurgy, Geology and Environmental Engineering - North University of Baia Mare, 24 (2): 15-24., **2010**.
70. Edina MIKLÓS, Frigyes WÁCZEK, György KÉRI, Szabolcs LÁNYI, László ÓRFI, *Synthesis of pyrazole derivatives, with biological activity in signal transduction therapy*, University Politehnica of Bucharest, Scientific Bulletin Series B: Chemistry and Materials Science, ISSN 1454-233, 72 (2), pp., **2010**.
71. Éva HARAI (MOLNOS), Árpád KAPÁS, Szabolcs LÁNYI, Beáta ÁBRAHÁM, Iosif NAGY, Ovidiu MUNTEAN, *Biohydrogen production by photofermentation of lactic acid using Thiocapsa roseopersicina*, University Politehnica of Bucharest, Scientific Bulletin Series B: Chemistry and Materials Science, ISSN 1454-233., 72 (2), pp. 151-160, **2010**.

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2. CEEX-Retea integrata de cercetare pentru constituirea unei platforme tehnologice de biomateriale avansate, compatibila EuMaT – ADVABIOMAT, PNCDI ,006-2009, Responsabil tema SAPIENTIA
3. CEEX-Diagnoză și predicție inteligentă și activă a construcțiilor cu structura de rezistență in mediul înconjurător complex poluat – DIRECTOR, PNCDI , 2006-2009, Responsabil tema SAPIENTIA
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6. CEEX-Cercetari privind creșterea siguranței alimentare prin utilizarea unor procese neconvenționale de tratare termică a unor produse alimentare lichide- SIGMA,PNCDI , 2006-2009, Responsabil tema SAPIENTIA
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H. Creația artistică

I. Premii, distincții

Diploma „**Meritul Academic**” acordată de Academia Română
 Ordinul National »**Crucea Sudului**«, Brazilia,
 Ordinul inventatorilor din Belgia: „**Merite de l’Invention**”,
 Ordinul:“**Pentru cauza Științei și Tehnologiei**”, Republica Vietnam
 Medalia: “ **Pro Scientia Transsylvanica** ”, acordata de Societatea EMT, Cluj 2001
2 medalii de aur: Gold Award, LONDON INTERNATIONAL FAIR
Médaille d’or avec Mention și Médaille d’or BRUSSELS - EUREKA
Médaille d’argent, “SALON INTERNATIONAL des INVENTIONS”, GENÈVE
2 Médaille d’or avec Mention, BRUSSELS-EUREKA 2000.
Gold Medal, la a II-a Olimpiadă a Inventatorilor «GENIUS 2000», Budapesta
Medalia Comemorativă, acordată de Academia Română

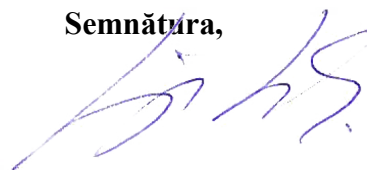
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