

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

NUMELE ȘI PRENUMELE: Emese-Éva Bálint

I. LISTA PUBLICAȚIILOR RELEVANTE

1. **Emese-Éva Bálint**, Judit Petres, László Szilágyi, Csongor-Kálmán Orbán, Beáta Ábrahám, Fluorescence of a histidine-modified Enhanced Green Fluorescent Protein (EGFP) effectively quenched by copper(II) ions. *Journal of Fluorescence*, ISSN 1573-4994. **Factor de impact 2011: 2.107, scor relativ de influență: 1.373**, acceptat
2. **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, 2010 (Special Issue): p. 5-9. **Factor de impact 2010: 0.231, Scor relativ de influență: 0.**
3. Szabó (Pálfi) Mária, **Bálint Emese-Éva**, Miklóssy Ildikó, Szilágyi László, Ábrahám Beáta, Lányi Szabolcs: Comparative study of green fluorescent protein mutants, *Studia Universitatis Babes-Bolyai Chemia*, ISSN 1224-7154, **Factor de impact 2010: 0.231, Scor relativ de influență: 0**, Acceptat.
4. **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, 2012. 74(1).
5. **Bálint, E.**, Keresztes, E., Funkenhauzer, B., Demeter, E., Lányi, Sz. Efectul ionilor de cupru asupra proteinei fluorescente verzi modificate (Hun: A réz ionok hatása a módosított Zöld Fluoreszcens Fehérjére), *Technical Review*, ISSN 1454-0746, 2012, acceptat.

II. LISTA COMPLETĂ DE PUBLICAȚII, CREAȚII, INVENȚII

A. Teza de doctorat.

Reproiectarea proteinelor, un instrument nou în biotehnologia viitorului, conducător de doctorat: prof. dr. ing. Lányi Szabolcs, Universitatea Politehnica, București, calificativul: foarte bine.

C. Lucrări științifice publicate

C1. Lucrări științifice publicate în reviste cotate ISI

1. **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, 2010 (Special Issue): p. 5-9.
2. Szabó (Pálfi) Mária, **Bálint Emese-Éva,** Miklóssy Ildikó, Szilágyi László, Ábrahám Beáta, Lányi Szabolcs: Comparative study of green fluorescent protein mutants, *Studia Universitatis Babes-Bolyai Chemia*, ISSN 1224-7154, Acceptat.
3. **Emese-Éva Bálint,** Judit Petres, László Szilágyi, Csongor-Kálmán Orbán, Beáta Ábrahám, Fluorescence of a histidine-modified Enhanced Green Fluorescent Protein (EGFP) effectively quenched by copper(II) ions. *Journal of Fluorescence*, ISSN 1573-4994, DOI: 10.1007/s10895-012-1145-y

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

1. **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, 2012. 74(1).
2. **Bálint, E.,** Keresztes, E., Funkenhauzer, B., Demeter, E., Lányi, Sz. Efectul ionilor de cupru asupra proteinei fluorescente verzi modificate (Hun: A réz ionok hatása a módosított Zöld Fluoreszcens Fehérjére), *Technical Review*, ISSN 1454-0746, 2012, acceptat.

C6. Lucrări științifice publicate în volumele manifestărilor științifice

1. **Emese-Éva Bálint,** Judit Petres, László Szilágyi, Beáta Ábrahám, Szabolcs Lányi, Effect of different metal binding regions on the Enhanced Green Fluorescent Protein. *18th International Conference on Chemistry*, Băile Felix, 22-25 noiembrie, 2012.
2. **Emese-Éva Bálint,** Judit Petres, Beáta Ábrahám, Szabolcs Lányi, Effect of metal ions on different mutants of Enhanced Green Fluorescent Protein. *7th Chemical Engineering Conference for Collaborative Research in Eastern Mediterranean Countries-EMCC7*, April 27-May 1, Corfu, Greece, 27 aprilie-1 mai, 2012.
3. **Emese-Éva Bálint,** László Szilágyi, Ildikó Miklóssy, Beáta Ábrahám, Szabolcs Lányi. Obtention of the C166A Granzyme H mutant for refolding optimiyation. *17th International Conference on Chemistry*, Cluj-Napoca, 03-06 noiembrie, 2011.
4. **Emese-Éva Bálint,** László Szilágyi, Ildikó Miklóssy, Beáta Ábrahám, Szabolcs Lányi. Design of secretion vector constructs for Granzyme H expression. *17th Romanian International Conference on Chemistry and Chemical Engineering-RICCCCE XVII*, Sinaia, 7-10 septembrie, 2011
5. **Bálint, E.,** Miklóssy I., Bogdán Á., Szilágyi L., Ábrahám B., Lányi Sz.: Expresia heterologă a Granzimei H, *Conferința Zilele Științei*, Asociația Muzeului Ardelean, Cluj Napoca, 20 noiembrie, 2010

6. Miklóssy, I., Szilágyi, L., **Bálint, E.**, Ábrahám, B., Lányi, Sz.: Expression of stemzyme IDP- β in eucariotic system. *Conferința Zilele Științei*, Asociația Muzeului Ardelean, Cluj Napoca, 20 noiembrie, 2010
7. Pál A., Sinkler R., Both E., **Bálint E.**, Petres J., Orbán Cs., Ábrahám B., Lányi Sz.: Comparing the production of pullulanase in different expression systems, *Conferința Zilele Științei*, Asociația Muzeului Ardelean, Cluj Napoca, 20 noiembrie, 2010
8. Kovács, E., Pálfi, M., **Bálint, E.**, Szilágyi, L., Miklóssy, I., Ábrahám, B., Lányi, Sz.: Comparing the human GITRL ligand in different expressio systems, *Conferința Zilele Științei*, Asociația Muzeului Ardelean, Cluj Napoca, 20 noiembrie, 2010
9. Pálfi, M., Kovács, E., Miklóssy, I., **Bálint, E.**, Szilágyi, L., Ábrahám, B., Lányi, Sz.: Modified GFP can serve as a receptor and as a riporter molecule in the same time? *Conferința Zilele Științei*, Asociația Muzeului Ardelean, Cluj Napoca, 20 noiembrie, 2010
10. **Bálint Emese-É.**, Miklóssy I., Szilágyi L., Ábrahám B., Lányi Sz., Heterologous expression of Granzyme H in *Escherichia coli*, *16th International Conference of Chemistry*, Cluj Napoca, 11-14 november, 2010.
11. **Bálint Emese-É.**, Ábrahám B., Miklóssy I., Orbán Kálmán Cs., Bodor Zs., Lányi Sz., Heterologous expression of pullulanase in *Escherichia coli* (Expresia heterologă a pullulanazei în *Escherichia coli*), *15th International Conference of Chemistry*, Târgu Mureș, 12-15 november, 2009
12. Bodor Zs., Kovács E., Miklóssy I., Ábrahám B., **Bálint Emese-É.**, Orbán Kálmán Cs., Tamás É., Szilveszter Sz., Lányi Sz., Heterologous expression of alpha-amylase in *Pichia pastoris*, *15th International Conference of Chemistry*, Târgu Mureș, 12-15 november, 2009
13. 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 of Chemistry*, Târgu Mureș, 12-15 november, 2009
14. Ábrahám, B., Miklóssy, I., **Bálint, É.E.**, Harai, É., Orbán, Cs., Lányi, Sz., *Conservation implications for endemic and endangered species based on genetic analysis*, The XVIII International Annual Symposium on Deltas and Wetlands organized by the Danube Delta National Institute for Research and Development, Tulcea, 24-25 september, 2009.

III. RECUNOAȘTEREA

I. Premii, distincții.

Premiul I-Tineri Cercetători, 2012

Data,
01 02 2013

Semnătura,