

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

NUMELE ȘI PRENUMELE: Gyöngyvér Mara

I. LISTA PUBLICAȚIILOR RELEVANTE

1. Csergő, A.-M., Schönswetter, P., **Mara, Gy.**, Deák, T., Boșcaiu, N., Höhn, M., Genetic structure of peripheral, island-like populations: a case study of *Saponaria bellidifolia* Sm. (Caryophyllaceae) from Southeastern Carpathians, *Plant Syst. Evol.*, 2009, 278: 33-41. IF = 1.49
2. György, É., **Mara, Gy.**, Máthé, I., Laslo, É., Albert B., Lányi Sz., Characterization and diversity of the nitrogen fixing microbiota from a specific grassland habitat in Ciuc Mountains, *Romanian Biotechnological Letters*, 2010, 15(4): 5473-5480. IF = 0.152
3. Szentes, S., **Mara, Gy.**, Máthé, I., Laslo, E., Lányi, Sz., Radu G.-L., Sociomicrobiological properties of antagonistic bacteria isolated from Borsáros Raised Bog, *Studia Universitatis Babes Bolyai Seria Chemica*, 2010, Special Issue: 135-142. IF = 0.231
4. Tamás É., **Mara Gy.**, Sipos, R., Mészáros, É., Márialigeti, K., Lányi, Sz., Detection of genes from soil bacteria with role in the organic nitrogen and phosphorus mobilization, *Studia Universitatis Babes Bolyai Seria Chemica*, 2010, Special Issue: 143-150. IF = 0.231
5. **Mara, Gy.**, Ghira, I., Quantitative trait analysis of the *Bombina sp.* populations in the Transylvanian Hybrid Zone, *Herpetologica Romanica*, 2010 (4): 17-28. [Zoological Record, Index Copernicus Journal Master List].
6. **Mara, Gy.**, Reproductive success of the *Bombina* hybrids in a Transylvanian hybrid area, *Scientific Annals of the Danube Delta Institute*, 2011(17): 53-58. [Index Copernicus Journal Master List].
7. Laslo, E., György, E., **Mara, Gy.**, Szentes, S., Salamon, R.V., András, Cs., Lányi, Sz., The management of N and P nutrition of plants using nitrogen fixing and phosphorus solubilizing bacteria, *Environmental Engineering and Management Journal*, 2012, Vol.11, No. 2, 371-375. IF = 1.435
8. Tamás, E., **Mara, Gy.**, Máthé, I., Laslo, E., György, E., Lányi, Sz., Isolation, characterization and identification of nitrogen and phosphorus mobilizing bacteria, *Environmental Engineering and Management Journal*, 2012, Vol.11, No. 3, 675-680. IF = 1.435
9. Laslo, E., György, E., **Mara, Gy.**, Tamás, E., Ábrahám, B., Lányi, Sz., Screening of plant growth promoting rhizobacteria as potential microbial Inoculants, *Crop Protection*, 2012, Vol. 40: 43-48. IF = 1.402.

10. Szentes, S., Radu, G.L., Laslo, E., Lányi, Sz, **Mara, Gy.** Selection and evaluation of potential biocontrol rhizobacteria from a raised bog environment. Crop Protection, 2013, Vol.52: 116-124. IF = 1.303.

II. LISTA COMPLETĂ DE PUBLICAȚII, CREAȚII, INVENȚII

A. Teza de doctorat.

Mara Gy.: *The Influence of the Habitat Type on the Bombina sp. populations in the Transylvanian Hybrid Zone: Genetic and Ecological aspects.* Conducător științific: Prof. dr. Popescu Octavian. Universitatea Babeș-Bolyai, Cluj-Napoca. Calificativul: Suma Cum Laude

B. Cărți publicate

B1. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate la edituri recunoscute în străinătate.

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

1. **Mara, Gy.:** *Genetic and Ecological aspects of Bombina Hybridization.* Scientia Publishing House, Cluj Napoca, 2011, pp. 191, ISBN: 978-973-1970-53-0
2. **Mara Gy.:** *Biologie. Note de curs.* Editura Cermi, Iași, 2014, pp.170, ISBN:

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

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B4. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

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B5. Capitole de cărți publicate în străinătate

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B6. Capitole de cărți publicate în țară

1. **Mara Gy.** A Sapiientia EMTE biomérnöki szakasportjának kapcsolata a térségi és az erdélyi magyar középiskolákkal, 2013, p 38-43. În Biró A. Zoltán, Magyar Ferenc (szerk.) A kísérletektől a stratégiáig. Új utakon a tehetséggondozás I. Editura Státus. ISBN: 978-606-8052-97-7.
2. Bálint E., **Mara Gy.** Mentor modell a gyakorlatban: környezet- és természetvédelmi tehetséggondozó tábor, 2013, p 49-54. În Biró A. Zoltán, Magyar Ferenc (szerk.) Esélyteremtés. Új utakon a tehetséggondozás II. Editura Státus. ISBN: 978-606-8052-98-4.

C. Lucrări științifice publicate

C1. Lucrări științifice publicate în reviste cotate ISI

1. Csörgő, A.-M., Schönschwetter, P., **Mara, Gy.**, Deák, T., Boșcaiu, N., Höhn, M., Genetic structure of peripheral, island-like populations: a case study of *Saponaria bellidifolia* Sm. (Caryophyllaceae) from Southeastern Carpathians. Plant Syst. Evol., 2009, 278: 33-41. IF = 1,49

2. Tamás É., **Mara Gy.**, Laslo É., György É., Ábrahám B., Lányi Sz. Analysis of biofilm production, swarming and swimming motility of *Pseudomonas* strains. *Studia Universitatis Babes Bolyai Seria Chemica*, 2009, 2: 45-52. IF = 0.086
3. Laslo, É., György, É., **Mara, Gy.**, Tamás, É., Máthé, I., Ábrahám, B., Lányi, Sz. Applying microbial technology: solubilisation of inorganic phosphate and producing siderophore by isolated nitrogen fixing bacteria. *Studia Universitatis Babes Bolyai Seria Chemica*, 2009, 2: 53-60. IF = 0.086
4. György, É., **Mara, Gy.**, Máthé, I., Laslo, É., Albert B., Lányi Sz., Characterization and diversity of the nitrogen fixing microbiota from a specific grassland habitat in Ciuc Mountains, *Romanian Biotechnological Letters*, 2010, 15(4): 5473-5480. IF = 0.152
5. Szentes, S., **Mara, Gy.**, Máthé, I., Laslo, E., Lányi, Sz., Radu G.-L., Sociomicrobiological properties of antagonistic bacteria isolated from Borsáros Raised Bog. *Studia Universitatis Babes Bolyai Seria Chemica*, 2010, Special Issue: 135-142. IF = 0.231
6. Tamás É., **Mara Gy.**, Sipos, R., Mészáros, É., Márialigeti, K., Lányi, Sz. Detection of genes from soil bacteria with role in the organic nitrogen and phosphorus mobilization. *Studia Universitatis Babes Bolyai Seria Chemica*, 2010, Special Issue: 143-150. IF = 0.231
7. Laslo, É., György, É., **Mara, Gy.**, Szentes, S., András, Cs., Lányi, Sz. Phosphorus mobilization from different inorganic phosphates by bacteria proposed for biofertilizer. *Studia Universitatis Babes Bolyai Seria Chemica*, 2010, Special Issue: 89-100. IF = 0.231
8. Laslo, E., György, E., **Mara, Gy.**, Szentes, S., Salamon, R.V., András, Cs., Lányi, Sz. The management of N and P nutrition of plants using nitrogen fixing and phosphorus solubilizing bacteria. *Environmental Engineering and Management Journal*, 2012, Vol.11, No. 2, 371-375. IF = 1.435
9. Tamás, E., **Mara, Gy.**, Máthé, I., Laslo, E., György, E., Lányi, Sz. Isolation, characterization and identification of nitrogen and phosphorus mobilizing bacteria. *Environmental Engineering and Management Journal*, 2012, Vol.11, No. 3, 675-680. IF = 1.435
10. Laslo, E., György, E., **Mara, Gy.**, Tamás, E., Ábrahám, B., Lányi, Sz. Screening of plant growth promoting rhizobacteria as potential microbial Inoculants. *Crop Protection*, 2012, Vol. 40: 43-48. IF = 1.402.
11. Szentes, S., Radu, G.L., Laslo, E., Lányi, Sz. **Mara, Gy.** Selection and evaluation of potential biocontrol rhizobacteria from a raised bog environment. *Crop Protection*, 2013, Vol.52: 116-124. IF = 1.303.

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

12. Ghira, I., Ujvárosy, L., **Mara, Gy.**: Trophical spectrum of *Rana ridibunda* and its

- importance in trophical web in the Crisul Repede/Sebes Körös rivers ecosystems. In: *The Cris Körös Rivers' Valleys*, Ed. Tiscia: Szolnok-Szeged-Marosvásárhely, 1997. p. 361-366. ISBN: 9630495643. [Zoological Records]
13. **Mara, Gy.**, Ghira, I., Farkas, L.: A preliminary report on herpetofauna of upper and middle basin of Olt River. In: *Transylv. Rev. Syst. Ecol. Res.*, 1999 (1). p. 169-181. [Zoological Records].
 14. Ghira, I., **Mara, Gy.**: Using of allelomorphic features in identifying of the two species belonging to the genus *Bombina* (Anura: Discoglossidae) from Transylvania. In: *Studia Universitatis Babes- Bolyai*, 2000. XLV, 1; p. 85-93. [Zoological Records].
 15. **Mara Gy.**: Adatok a Széki tó Rezervátum (Kolozs megye) zoolpankton évszakos változásainak ismeretéhez. In: *Collegium Biologicum*, 2001. 3. p. 63-68. [Zoological Records].
 16. Korsós, Z., **Mara, Gy.**, Traser, Gy.: A haragos síkló (*Coluber caspius* Gmelin 1789) meglepő előfordulása Magyarországon [A new record of *Coluber caspius* (Gmelin 1789) in Hungary]. In: *Folia Historico-Naturalia Musei Matraensis*, 2000. p. 335-339. [Zoological Records].
 17. **Mara, Gy.**: Major threats of amphibian and reptile species in the Transylvanian rivers' basins. Recommended monitoring methods. In: *Tiscia monograph series*, 2002. p. 199-204. ISBN: 9630495643 [Zoological Records].
 18. Demeter, L., **Mara, Gy.**: *Rana temporaria* Migration. In: *Herpetological Review*, 2006. 37 (2); p. 211. [Zoological Records].
 19. Hartel, T., Nemes, Sz., **Mara Gy.**: Spatial and temporal dynamic of pond use by a hybrid fire-bellied toad population: the importance of pond availability and duration. In: *Acta Zoologica Lithuanica*, 2007. Vol. 17(1) p. 56-63. [Zoological Records].
 20. **Mara, Gy.**, Ghira, I., Quantitative trait analysis of the *Bombina* sp. populations in the Transylvanian Hybrid Zone. *Herpetologica Romanica*, 2010 (4): 17-28. [Zoological Record, Index Copernicus Journal Master List].
 21. Tamás É., **Mara Gy.**, Laslo É., György É., Máthé I., Ábrahám B., Lányi Sz., Alternative fertilizer method by microbial technology. II. Identification and characterization of nitrogen fixing bacteria, University Politehnica Of Bucharest, Scientific Bulletin Series B: Chemistry And Materials Science, ISSN 1454-233, 2010, 72(3): 137-144. [Ulrich S International Periodicals Directory, Scopus, Cambidge Scientific Abstracts].
 22. Laslo É., György É., **Mara Gy.**, Lányi Sz., Effect of some environmental factors on selected bacteria isolated for microbial inoculants. *Buletin Stiințific al Universității de Nord din Baia Mare. Seria D*, 2010. Volumul XXIV Nr.2. 47-52 [EBSCO].
 23. Szentes, S., **Mara, Gy.**, Lányi, Sz., Radu, G-L., Isolation and characterization of antagonistic bacteria associated with bryophytes form Borsáros raised bog (Romania). *Buletin Stiințific al Universității de Nord din Baia Mare. Seria D*, 2010. Volumul XXIV Nr.2, 53-58 [EBSCO].

24. Laslo, É., György, É., Máthé, I., **Mara, Gy.**, Tamás É., Ábrahám B., Lányi, Sz., 2011, Replacement of the traditional fertilizer with microbial technology: isolation and characterization of beneficial nitrogen fixing rhizobacteria. University Politehnica of Bucharest. Scientific Bulletin Series B: Chemistry And Materials Science ISSN 1454-233. 2011. 73(1): 109-114. [Ulrich S International Periodicals Directory, Scopus, Cambridge Scientific Abstracts].
25. Gaspar, E., **Mara, Gy.**, Oprean, L., Lengyel, E., Iancu, R. Identification and isolation of yeast strains *Saccharomyces bayanus* from native source using molecular methods, Annals of the Romanian Society for Cell Biology, XVI (1), ISSN: 1583-6258, pg.286-291, 2011. [Scopus, Ebsco, Index Copernicus Journal Master List].
26. **Mara, Gy.** Reproductive success of the *Bombina* hybrids in a Transylvanian hybrid area. Scientific Annals of the Danube Delta Institute. 2011(17): 53-58. [Index Copernicus Journal Master List].
27. Szentes, S., **Mara, Gy.**, Tamás, É., Lányi, Sz., Radu, G.L., 2011, Preliminary data on Borsáros raised bog natural reserve Bryophyte associated bacteria. University Politehnica of Bucharest, Scientific Bulletin Series B: Chemistry and Materials Science, 73(4): 23-30. [Ulrich S International Periodicals Directory, Scopus, Cambridge Scientific Abstracts]

C3. Lucrări științifice publicate în reviste din străinătate (altele decât cele menționate anterior).

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C4. Lucrări științifice publicate în reviste din țară, recunoscute CNCSIS (altele decât cele din baze de date internaționale).

28. **Mara, Gy.**, Ghira, I., Nemes, Sz.: Hybridisation and hybrid zones in the two European *Bombina* species (Anura: Discoglossidae). In: Evolution and Adaptation, Ed. UBB Cluj-Napoca, 2000. T 6, p. 37-44.
29. Nemes, Sz., Ghira, I., **Mara, Gy.**: Foraging mode and its effects on the natural history of lizards, In: Evolution and Adaptation, Ed. UBB Cluj-Napoca, 2000. T 6, p. 30-35.
30. Ghira, I., Venczel, M., Covaciu-Marcov, S., **Mara, Gy.**, Ghile, P., Hartel, T., Torok, Zs., Farkas, L., Racz, L., Farkas, Z., Brad, T. Mapping of Transylvanian herpetofauna. In: Nymphaea, 2002. p. 145-204.

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

31. Náhlik, A., **Mara, Gy.**: Korabeli bizonyítékok a bölény Kárpát-medencei elterjedésére és kihalására [Contemporary evidence of the dispersal range and extinction of the European bison in the Carpathian basin]. In: Csíki Székely Múzeum Évkönyve, Természettudományok, 2004. p. 455-461.
32. Demeter, L., **Mara Gy.**: A mocsári béka (*Rana arvalis*) elterjedésének térbeli mintázata és populációmérete a Csíki-medencében [The spatial distribution of the moor frog (*Rana arvalis*) in the Ciuc Basin]. In: Csíki Székely Múzeum Évkönyve, Természettudományok, 2005. p. 439-450.
33. Szentes, S., **Mara Gy.**: Beltéri lakókörnyezetben előforduló penészgombafajok

vizsgálata néhány csíkszeredai tömbházlakásban [A preliminary study of the indoor fungal contaminants from the houses in Miercurea Ciuc]. In: Csíki Székely Múzeum Évkönyve, Természettudományok, 2009. p. 233-239.

34. Demeter, L., Kelemen, A., **Mara, Gy.**: A gyepi béka (*Rana temporaria*) elterjedése, a populációk mérete és változásai a Csíki medencében [The distribution, population size and population changes of the common frog in the Ciuc basin]. Csíki Székely Múzeum Évkönyve, 2010. p. 473-480.
35. Tamás É., **Mara Gy.**, Lányi Sz.: Baktériumokon alapuló talajjavító oltóanyagok [Obtaining bacterial biopreparates as soil fertilisers]. Csíki Székely Múzeum Évkönyve, 2010: 543-552.

C6. Lucrări științifice publicate în volumele manifestărilor științifice

36. **Mara, Gy.**, Demeter, L.: Habitat use of the frogs in an area rich in mineral waters. In: Mineral Waters in the Carpathians Basin 2nd International Conference, 2005. p. 117-122.
37. **Mara Gy.**: Evaluation of the nature conservation value in seven raised bogs in Gutâi Mountains: a herpetofaunistic point of view]. In Mócsy L., T. Nédá (ed.) Környezettudományi Konferencia. [Environmental Science Conference] 2006. p. 239-248
38. **Mara, Gy.**, Ábrahám, B., György, E., Miklóssy, I., Meszaros, I., Lanyi Sz.: Possibilities of using molecular techniques in the evaluation of microorganisms involved in biocorrosion of resistance structures. In: URB-CORR 2007. Study and Control of Corrosion in the Perspective of Sustainable Development of Urban Distribution Grids. 2007. p. 156-158.
39. Lányi, Sz., **Mara, Gy.**, György, É., Ábrahám, B.: Evaluarea prezenței microorganismelor (bacterii și ciuperci) prin determinări semicantitative ale ADN genomic. Determinări experimentale. In: Rapoarte tehnice, RTH 07002, INCDO-INOE2000, filiala Institutul de Cercetări pentru Instrumentație Analitică, Cluj Napoca, 2007. (ISSN 1842 – 5917). p. 1-16.
40. Lányi, Sz., **Mara, Gy.**, György, É., Ábrahám, B.: Metode de evaluare a prezenței microorganismelor (bacterii și ciuperci) în structurile degradate de construcție prin determinări semicantitative ale ADN genomic și determinări calitative (RAPD și RFLP). In: Rapoarte tehnice, RTH 07004, INCDO-INOE2000, filiala Institutul de Cercetări pentru Instrumentație Analitică, Cluj–Napoca, 2007. (ISSN 1842 – 5917). p. 1-27.
41. **Mara, Gy.**, Ábrahám, B. , György, É., Miklóssy, I., Lányi Sz.: Investigarea prezenței fungilor în structurile din beton armat. In: Rapoarte tehnice, RTH 08002, INCDO-INOE2000, filiala Institutul de Cercetări pentru Instrumentație Analitică, Cluj Napoca, 2008. p.5-31 (ISSN ISSN 1842 – 5917).
42. **Mara, Gy.**, György, É., Ábrahám, B., Lányi, Sz.: Metode moleculare pentru investigarea coroziunii influențate prin activitate microbială. In. URB-CORR 2008. Study and Control of Corrosion in the Perspective of Sustainable Development of Urban Distribution Grids. 2008. p. 186-191.

43. **Mara Gy.** , Kocsis L. , Ásványvizes feltörések táplálta élőhelyek gőtefajainak testméret-eloszlása és ivari dimorfizmusa a Nagynos-patak völgyében [Distribution, body size and body condition of the newts from the Nagynos stream valley]. In. Mineral Waters in the Carpathians Basin 5th International Conference, 2008, p. 117-122.
44. György É., Laslo É., Máthé I., **Mara Gy.**, Tamás É., Miklóssy I., Ábrahám B., Lányi Sz. - Caracterizarea microbiotei fixatoare de azot a unui habitat montan responsabilă în asimilarea fosforului. In. Simpozionul Internațional CIEC, Constanța, 2008, septembrie 26-26.
45. **Mara, Gy.**, György, E., Máthé, I., Ábrahám, B., Lányi Sz.: Investigarea cantitativă și calitativă a fungilor cu rol în biocorozie. Materiale și procese inovative. Volume de lucrări, 2008, p. 342-346.
46. Máthé, I., Márialigeti, K., György, É., **Mara Gy.**, Albert, B., Lányi, Sz. Studiarea impactului câmpurilor electromagnetice asupra microorganismelor. Materiale și procese inovative. Volume de lucrări, 2008, p. 288-295.
47. Szentes S., **Mara Gy.**, Laslo É., Lányi Sz., Radu G.-L: Isolation of possible plant growth promoting and antagonistic bacteria from Borsáros Raised Bog's bryophytes. In Mineral Waters in the Carpathians Basin 5th International Conference, 2010, p. 139-142.
48. Tamás, E., **Mara, Gy.**, Laslo, E., György, E., Kémenes, L., Lányi, Sz., Natural alternative soil fertilization: analysis of plant growth promoting activity of selected soil bacteria. Climate Change:Challenges and Opportunities in Agriculture, Agrisafe Final Conference , 2011: 462-465.

D. Traduceri de cărți, capitole de cărți, alte lucrări științifice

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E. Editare, coordonare de volume

1. Csíki Székely Múzeum Évkönyve, 2010, 575 pagini, ISSN 1841-0197
2. Csíki Székely Múzeum Évkönyve, 2011, 400 pagini, ISSN 1841-0197
3. Csíki Székely Múzeum Évkönyve, 2012, 320 pagini, ISSN 1841-0197

F. Brevete de invenții și alte titluri de proprietate

1. Oancea, F., Constatntinescu, F., Dinu, S., Sicuia, O., **Mara, Gy.**, Abraham, B., Lanyi, Sz. Process for the treatment of seeds and/or soil with (bio/agro) inoculants microorganisms, 2010, Patent no. RO 125670-A2.

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

1. **Membru:** FOLOSIREA METODELOR DE BIOLOGIE MOLECULARA IN STUDIAREA ZONELOR HIBRIDE DE BOMBINA SP., 2003-2004, proiect finanțat de Universitatea

Sapientia – Fundația Sapientia, Institutul Programelor de Cercetare, **director de proiect: Prof.dr. Octavian Popescu**, valoare proiect: 11965 EUR.

2. **Membru:** FOLOSIREA METODELOR DE BIOLOGIE MOLECULARA IN STUDIAREA ZONELOR HIBRIDE DE BOMBINA SP., 2004-2005, proiect finanțat de Universitatea Sapientia – Fundația Sapientia, Institutul Programelor de Cercetare, **director de proiect: Prof.dr. Octavian Popescu**, valoare proiect: 7235 EUR.
3. **Membru:** OPTIMIZAREA EXPRESIEI ENZIMEI XILOZ-IZOMERAZA, 2005-2006, proiect finanțat de Universitatea Sapientia – Fundația Sapientia, Institutul Programelor de Cercetare, **director de proiect: dr. Carmen Tănase**.
4. **Membru:** OPTIMIZAREA MOLECULARA A UNEI ENZIME CENTRALE DIN CALEA METABOLICA A XILOZEI, CEEX 1/06.10 2005, 2005-2008, director proiect: **prof. dr. Ștefan Szedlaesek**, valoare proiect: 252680 RON.
5. **Membru:** DIAGNOZA SI PREDICTIE INTELIGENTA SI ACTIVA A CONSTRUCTIILOR CU STRUCTURA DE REZISTENTA IN MEDIU INCONJURATOR COMPLEX POLUAT, CEEX 136/02.10.2006, 2006-2009, **director de proiect: prof. dr. ing. Dorin Isoc**.

Realizări:

- *Mara, Gy., Ábrahám, B., György, E., Miklóssy, I., Meszaros, L., Lányi Sz.: Possibilities of using molecular techniques in the evaluation of microorganisms involved in biocorrosion of resistance structures. In: URB-CORR 2007. Study and Control of Corrosion in the Perspective of Sustainable Development of Urban Distribution Grids. 2007, p. 156-158.*
- *Lányi, Sz., Mara, Gy., György, É., Ábrahám, B.: Evaluarea prezenței microorganismelor (bacterii și ciuperci) prin determinări semicantitative ale ADN genomic. Determinări experimentale. In: Rapoarte tehnice, RTH 07002, INCDO-INOE2000, filiala Institutul de Cercetări pentru Instrumentație Analitică, Cluj Napoca, 2007. (ISSN 1842 – 5917), p. 1-16.*
- *Lányi, Sz., Mara, Gy., György, É., Ábrahám, B.: Metode de evaluare a prezenței microorganismelor (bacterii și ciuperci) în structurile degradate de construcție prin determinări semicantitative ale ADN genomic și determinări calitative (RAPD și RFLP). In: Rapoarte tehnice, RTH 07004, INCDO-INOE2000, filiala Institutul de Cercetări pentru Instrumentație Analitică, Cluj-Napoca, 2007. (ISSN 1842 – 5917), p. 1-27.*
- *Mara, Gy., Ábrahám, B., György, É., Miklóssy, I., Lányi Sz.: Investigarea prezenței fungilor în structurile din beton armat. In: Rapoarte tehnice, RTH 08002, INCDO-INOE2000, filiala Institutul de Cercetări pentru Instrumentație Analitică, Cluj Napoca, 2008, p.5-31 (ISSN 1842 – 5917).*
- *Mara, Gy., György, É., Ábrahám, B., Lányi, Sz.: Metode moleculare pentru investigarea coroziei influențate prin activitate microbială. In. URB-CORR 2008. Study and Control of Corrosion in the Perspective of Sustainable Development of Urban Distribution Grids. 2008, p. 186-191.*
- *Premiul II pentru proiecte de cercetare-dezvoltare în domeniul Tehnologiile societății informaționale acordat de Autoritatea Națională pentru Cercetare Științifică.*

6. **Responsabil proiect:** INOCULANTI MICROBIENI PENTRU SISTEME DE AGRICULTURA DURABILA, PNCDI 31-048/14.09.2007, 2007-2010, **director de proiect: prof. dr. ing. Szabolcs Lányi**, valoare totală: 1.511.782 RON.

Realizări:

- *Tamás É., Mara Gy., Laslo É., György É., Ábrahám B., Lányi Sz. Analysis of biofilm production, swarming and swimming motility of Pseudomonas strains. Studia Universitatis Babes Bolyai Seria Chemica, 2009, 2: 45-52. IF = 0.086*

- Laslo, É., György, É., **Mara, Gy.**, Tamás, É., Máthé, I., Ábrahám, B., Lányi, Sz. Applying microbial technology: solubilisation of inorganic phosphate and producing siderophore by isolated nitrogen fixing bacteria. *Studia Universitatis Babes Bolyai Seria Chemica*. 2009, 2: 53-60. IF = 0.086
 - György, É., **Mara, Gy.**, Máthé, I., Laslo, É., Albert B., Lányi Sz., Characterization and diversity of the nitrogen fixing microbiota from a specific grassland habitat in Ciuc Mountains. *Romanian Biotechnological Letters*, 2010, 15(4): 5473-5480. IF = 0.152
 - Oancea, F., Constantinescu, F., Dinu, S., Siciu, O., **Mara, Gy.**, Abraham, B., Lányi, Sz. Process for the treatment of seeds and/or soil with (bio/agro) inoculants microorganisms. 2010. Patent no. RO 125670-A2.
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III. RECUNOAȘTEREA

I. Premii, distincții.

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J. Citări

Laslo, E., György, E., **Mara, Gy.**, Tamás, E., Ábrahám, B., Lányi, Sz. Screening of plant growth promoting rhizobacteria as potential microbial Inoculants. *Crop Protection*, 2012, Vol. 40: 43-48. IF = 1.402.

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K. Alte realizări semnificative.

Organizarea unor concursuri, evenimente de popularizare ale științelor naturii:

- Organizator: Concursul *Laborkukac*, din anul 2010-prezent;
- Organizator: *Ziua porților deschise* în laboratoarele departamentului de Bioinginerie, din anul 2010-prezent;
- Redactor șef, revista de popularizare a științei *Laborkukac*, nr.1/2013.
- Organizare tabăra de vară *Génehésszek* pentru liceeni talentați, din 2013-prezent
- Organizare tabăra *Mentoráltak* pentru elevi talentați în domeniul științelor naturii, 6-9 noiembrie 2013, Băile Bálványos

Miercurea Ciuc, 29 ianuarie 2014.

Dr. Mara Gyöngyvér

