

Lista de lucrări în domeniul de studii universitare de licență biologie

Numele și prenumele: *Mara Gyöngyvér*

A. Teza de doctorat

The Influence of the Habitat Type on the Bombina sp. populations in the Transylvanian Hybrid Zone: Genetic and Ecological aspects. 2006. Universitatea Babes-Bolyai, Cluj, p. 1-209.

B. Cărți și capitole de cărți

1. **Mara, Gy.** Genetic and Ecological aspects of Bombina Hybridization. Scientia Publishing House, Cluj Napoca, 2011, pp. 191
2. **Mara Gy.:** Biologie. Note de curs. Editura Cermi, Iași, 2014, pp.170, ISBN: 978-973-667-392-4
3. Laslo, É., György, É., Ábrahám, B., **Mara, Gy.** 2017, Bacterial Strains with Nutrient Mobilisation Ability from Ciuc Mountains (Transylvania Region, Romania), pp 531-548 in Singh D.P., Singh H.B. and Prabha R. eds. Plant-Microbe Interactions in Agro-Ecological Perspectives Volume 1: Fundamental Mechanisms, Methods and Functions, Springer, DOI 10.1007/978-981-10-5813-4
4. Abod É., Laslo É., Szentes S., Lányi S., **Mara Gy.** 2019, Plant Growth-Promoting Bacteria: Strategies to Improve Wheat Growth and Development Under Sustainable Agriculture. pp.1-17 in: Kumar A., Meena V. (eds) Plant Growth Promoting Rhizobacteria for Agricultural Sustainability. Springer, DOI 10.1007/978-981-13-7553-8_1
5. Laslo É., **Mara Gy.** 2019, Is PGPR an Alternative for NPK Fertilizers in Sustainable Agriculture?. In: Singh D., Gupta V., Prabha R. (eds) Microbial Interventions in Agriculture and Environment. Springer, Singapore, DOI 10.1007/978-981-13-8391-5_3
6. **Mara Gy.:** Bazele geneticii. Curs. Editura T3, Sfântu Gheorghe, 2022, pp. 139, ISBN: 978-606-95430-0-9
7. **Mara Gy.,** Becze A., Vincze É.B.: Fiziologie vegetală și animală. Îndrumar de laborator. Editura T3, Sfântu Gheorghe, 2022, pp.115, ISBN 978-606-95430-1-6
8. **Mara, Gy.,** Harsányi T.G., Fiziologie, Universitatea din Debrecen, 2024, pp. 99, ISBN 978-963-490-586-8

C. Lucrări științifice publicate

C1. Lucrări științifice publicate în reviste cotate ISI

1. Csörgő, A.-M., Schönschwetter, P., **Mara, Gy.,** Deák, T., Boşcai, 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 = 0.231
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 = 0.231
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.
12. Szentes, S., Laslo, E., Lányi, Sz, Radu, G-L, **Mara, Gy.** Indole-3-acetic acid producing bacteria and their effect on the growth of *Pisum sativum*. *Studia Universitatis Babes Bolyai Seria Chemica*. 2014, Vol.59, No. 2, 63-70, IF = 0.136.
13. Laslo Éva, **Mara Gyöngyvér**, Funkenhauzer Bernadett, Dobri Emőke, Salamon Rozália Veronika, Lányi Szabolcs, Ábrahám Beáta. Isolation and screening of lactic acid bacteria from naturally fermented sources with high biotechnological potential. *Studia Universitatis Babes Bolyai Seria Chemica*. 2015, Vol.60, No. 4, 95-106, IF = 0.191.
14. Éva Boglárka Vincze, Rozália Veronika Salamon, Erika Kovács, **Gyöngyvér Mara**, Effect of metal tolerant plant growth promoting rhizobacteria on bean growth, cadmium and zinc uptake and stress responses. *Environmental Engineering and Management Journal*, 2018, Vol.17, No. 4, 803-811, IF = 1.096.
15. Domokos E, Jakab-Farkas L, Darkó B, Bíró B, **Mara Gy**, Albert Cs and Balog A., Increase in *Artemisia annua* Plant Biomass Artemisinin Content and Guaiacol Peroxidase Activity Using the Arbuscular Mycorrhizal Fungus *Rhizophagus irregularis*. *Front. Plant Sci.*, 2018, 9: 478. doi: 10.3389/fpls.2018.00478, IF = 4.29
16. Benedek K., **Mara Gy.**, Mehrparvar M., Bálint J., Loxdale H.D., Balog A., Near-regular distribution of adult crimson tansy aphids, *Uroleucon tanacetii* (L.), increases aposematic signal honesty on different tansy plant chemotypes. *Biological Journal of the Linnean Society*, 2019, Vol. 126(2): 315-326. doi: 10.1093/biolinnean/bly180, IF = 2.53
17. Benedek, K., Bálint, J., Máthé, I., **Mara, Gy.**, Felföldi, T., Szabó, A., Fazakas, Cs., Albert, Cs., Buchkowski, R.W., Balog, A. Linking intraspecific variation in plant chemical defence with arthropod and soil bacterial community structure and N allocation. *Plant and Soil*, 2019, doi:10.1007/s11104-019-04284-7, IF = 3.25
18. Rápó, E.; Posta, K.; Csavdári, A.; Vincze, B.É.; **Mara, G.**; Kovács, G.; Haddidi, I.; Tonk, S. Performance Comparison of *Eichhornia crassipes* and *Salvinia natans* on Azo-Dye (Eriochrome Black T) Phytoremediation. *Crystals* 2020, 10, 565, IF = 2.404
19. Domokos, E.; Bíró-Janka, B.; Bálint, J.; Molnár, K.; Fazakas, C.; Jakab-Farkas, L.; Domokos, J.; Albert, C.; **Mara, G.**; Balog, A. Arbuscular Mycorrhizal Fungus *Rhizophagus irregularis* Influences *Artemisia annua* Plant Parameters and Artemisinin Content under Different Soil Types and Cultivation Methods. *Microorganisms* 2020, 8, 899., IF = 4.15
20. Becze, A., Vincze, É-B, Varga, H. M., **Mara Gy.** Effect of plant growth promoting rhizobacteria on *Zea*

mays development and growth under heavy metal and salt stress condition. Environmental Engineering and Management Journal, 2021, Vol.20, No. 4, 547-558, IF = 0.916.

21. Czont A.; Freyer, T; Bodor, Zs.; **Mara, Gy.**; Sándor, I.; Miklóssy, I. Position-based anthropometric characteristics and general physiological performance of national level, U18 ice hockey players. Vol. 9(1); p. 81-97, 2023. <https://doi.org/10.17979/sportis.2023.9.1.9200>. IF=0.49
22. Vincze, É.-B.; Becze, A.; Laslo, É.; **Mara, Gy.** Beneficial Soil Microbiomes and Their Potential Role in Plant Growth and Soil Fertility. Agriculture 2024, 14, 152. <https://doi.org/10.3390/agriculture14010152>. IF=3.6
23. Vincze, É.-B.; Becze, A.; Salamon, R.V.; Lányi, S.; **Mara, G.** Role of the *Pseudomonas koreensis* BB2.A.1 and *Serratia liquefaciens* BB2.1.1 Bacterial Strains in Maize Trace Metal Stress Management. Microorganisms 2024, 12, 1823. <https://doi.org/10.3390/microorganisms12091823>, IF=4.1
24. Iakab, M., Domokos, E., Buta, E., Fazakas, Cs., Ilonka, Zs., Albert, Cs., Orbán, Cs., **Mara, Gy**, Dulf, F. V. Effect of *Rhizophagus irregularis* arbuscular-mycorrhizal fungus on bioactive compounds and growth parameters of two-years-old *Echinacea purpurea* plants, Industrial Crops and Products, 2025, 236, 122057, <https://doi.org/10.1016/j.indcrop.2025.122057>. IF=6.2

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

25. 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].
26. **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].
27. 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].
28. **Mara Gy.**: Adatok a Széki tó Rezervátum (Kolozs megye) zoolpankton évszakos változásainak ismeretéhez, In: *Collegium Biologicum*, 2001. 3, p. 63-68. [Zoological Records].
29. 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].
30. **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].
31. Demeter, L., **Mara, Gy.**: *Rana temporaria* Migration. In: *Herpetological Review*, 2006. 37 (2): p. 211. [Zoological Records].
32. 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].
33. **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].

34. 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, Cambridge Scientific Abstracts*].
35. Laslo É., György É., **Mara Gy.**, Lányi Sz., Effect of some environmental factors on selected bacteria isolated formicrobial inoculants. Buletin Stiințific al Universității de Nord din Baia Mare. Seria D. 2010. Volumul XXIV Nr.2. 47-52 [*EBSCO*].
36. 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*].
37. 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*].
38. 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*].
39. **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*].
40. 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*]
41. **Gyöngyvér Mara**, Annamária Becze, Orsolya Varga, Éva Laslo, Florin Oancea. Screening of Multifunctional Bacterial Inoculants with Lignocellulose Degradation Ability for Agricultural Applications. *Studia Universitatis "Vasile Goldiș", Seria Științele Vieții* Vol. 26 Issue 2, 2016, pp.225-233. [*Scopus, Ebsco*].
42. Nagy, K. Csomós, A., Dániel, B., **Mara Gy.** Energy drink consumption pattern and the effect of consumption on university students' blood pressure and heart rate. *Acta Univ. Sapientiae, Alimentaria*, 12 (2019) 104-119. DOI: 10.2478/ausal-2019-0008 [*Cabi, Ebsco*]
43. Becze, A., Vincze, E-B., Lányi, Sz., **Mara Gy.** Evaluation of structural carbohydrate degrading capacity of PGP bacterial strains using different methods. *University Politehnica of Bucharest, Scientific Bulletin Series B: Chemistry and Materials Science*, 2022, 84(1): 3-18. [*Ulrich S International Periodicals Directory, Scopus, Cambridge Scientific Abstracts*].
44. Ilkei, K-I, Jakab-Kodacz S., Mara Gy., How to feed your microbiome? The role of dietary fibres in shaping microbiome and host health. *ActA Univ. Sapientiae, Alimentaria*, 17 (2024) 101–119, DOI: 10.47745/ausal-2024-0006 [*Cabi, Ebsco*]

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

1. **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.
2. 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.
3. 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

4. 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.
5. 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.
6. 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.
7. 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.
8. 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

9. **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.
10. **Mara Gy.**: Evaluation of the nature conservation value in seven raised bogs in Gutâi Mountains: a herpetofaunistic point of view], In *Mócsy I., T. Neda (ed.) Környezettudományi Konferencia. [Environmental Science Conference]* 2006. p. 239-248
11. **Mara, Gy.**, Ábrahám, B., György, E., Miklóssy, I., Meszaros, I., 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.
12. 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.
13. 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.
14. **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).
15. **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.
16. **Mara Gy.** - Kocsis L., Ásványvizes feltörések táplálta élőhelyek götefajainak testméret-eloszlása és ivari dimorfizmusa a Nagyos-patak völgyében [Distribution, body size and body condition of the newts from the Nagyos stream valley]. In: *Mineral Waters in the Carpathians Basin 5th International Conference*, 2008. p. 117-122.

17. **Mara, Gy.**, György, E., Máthé, I., Ábrahám, B., Lányi Sz.: Investigarea cantitativă și calitativă a fungilor cu rol în biocorozie. Materiale si procese inovative. Volume de lucrări. 2008. p. 342-346.
18. Máthé, I., Márialigeti, K., György, É., **Mara Gy.**, Albert, B., Lányi, Sz. Studiarea impactului câmpurilor electromagnetice asupra microorganismelor. Materiale si procese inovative. Volume de lucrări. 2008. p. 288-295.
19. 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.
20. 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.
21. É. B. Vincze, A. Bittsánszky, **Gy. Mara**, T. Kőmives, 2017, Role of glutathione in the chemical stress-tolerance of plants, XIII. Environmental Science Conference from Carpathian Basin, Conference Book, Cluj Napoca, Ábel Publisher, pp. 352-359.

F. Invenții:

22. Oancea, F., Constatntinescu, F., Dinu, S., Siciua, O., **Mara, Gy.**, Abraham, B., Lanyi, Sz. Process for the treatment of seeds and/or soil with (bio/agro) inoculants microorganisms. 2010. Brevet nr. RO 125670-A2.
23. Oancea F., **Mara, Gy.**, Sesan, T.E., Mathe, I., Raut, I., Abraham, B., Lanyi, Sz. Strain of *Trichoderma harzianum* and controlled release composition which contains said strain. 2014. Brevet nr. EP 2735607A1.
24. Oancea, F., Constatntinescu, F., Dinu, S., Zamfiropol, R., Ponta, C.C., **Mara, Gy.**, Abraham, B., Lanyi, Sz. Process for preparing a (bio)inoculant microbial bio-preparation, 2015. Brevet nr. RO 128586
25. Oancea F., **Mara, Gy.**, Sesan, T.E., Mathe, I., Raut, I., Abraham, B., Lanyi, Sz. Tulpină de *Trichoderma harzianum* și compoziție cu eliberarea controlată care conține respective tulpină. 2017. Brevet nr. RO 128889
26. Abraham B., Lanyi Sz., **Mara Gy.**, Mathe I., Kovacs E., Laslo E., Orban K.Cs., Balint E., Bodor Zs., Meszaros A., Tanczos Sz., Fejer Király G., Koncz M., Máthé L., Dobri E., Becze A. *Bacillus* sp. SZE102A strain used in the process of ensilaging fodder plants. (Tulpina de *Bacillus* sp. SZE102A utilizată în procesul de însilozare a plantelor furajere). 2019. Patent no. RO 130921.
27. Abraham B., Lanyi Sz., **Mara Gy.**, Kovács E., Orban K.Cs., Laslo E., Balint E., Bodor Zs., Meszaros A., Kadar A., Sinkler R., Toro Sz., Funkenhauzer B., Becze A. *Bacillus* sp. SZX102 strain used in the process of ensilaging fodder plants. (Tulpina de *Bacillus* sp. SZX102 utilizată în procesul de însilozare a plantelor furajere). 2019. Patent no. RO130922.

K. Participări la conferințe naționale și internaționale

1. **Mara, Gy.:** Date preliminare privind succesiunea sezonală a zooplanctonului din lacul Știucii (rezervație naturală, jud. Cluj) *Zilele biologice din Cluj*, 2000, 30-31 martie.
2. **Mara, Gy**, Mathe, I.: Aree naturale protejate din județul Harghita. *Conferința Székelyföld*, Miercurea Ciuc. 2001, 11-12 octombrie.
3. **Mara, Gy.:** Principalii factori de periclitate ale speciilor de amfibieni și reptile din bazinele râurilor transilvănene. Râurile să curgă libere și curate, *Conferință Internațională a experților râurilor*, organizator Liga Pro Europa, Tg-Mureș, 2002, 22-24 martie.
4. **Mara, Gy.**, Demeter, L.: Filopode în depresiunea Ciucului, *Zilele biologice din Cluj*, Organizator Societatea Eco Studia, 2002, 12-14 aprilie.
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Prof. Dr. Mara Gyöngyvér

