Lista de lucrări în domeniul de studii universitare de licenţă biologie

Numele şi 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

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2. **Mara, Gy.** Genetic and Ecological aspects of Bombina Hybridization. Scientia Publishing House, Cluj Napoca, 2011, pp. 191
3. **Mara Gy.:** Biologie. Note de curs. Editura Cermi, Iași, 2014, pp.170, ISBN: 978-973-667-392-4
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5. 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
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8. **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
9. **Mara, Gy**., Harsányi T.G., Fiziologie, Universitatea din Debrecen, 2024, pp. 99, ISBN 978-963-490-586-8

10. Lucrări ştiinţifice publicate

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1. Csergő, A.-M., Schönswetter, P., **Mara, Gy**., Deák, T., Boşcaiu, 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
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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.
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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*].
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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*].
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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, Cambidge Scientific Abstracts*].
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C4. Lucrări ştiinţifice publicate în reviste din ţară, recunoscute CNCSIS (altele decât cele din baze de date internaţionale)

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.
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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.
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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.

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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. Néda (ed.) Környezettudományi Konferencia*. [*Environmental Science Conference*] 2006. p. 239-248
11. **Mara, Gy.,** Ábraham, B., Gyorgy, E., Miklossy, 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.
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13. Lányi, Sz., **Mara, Gy**., György, É., Ábrahám, B.: Metode de evaluare a prezenţei microorganismelor (bacterii şi ciuperci) în structurile degradate de construcţie prin determinări semicantitative ale ADN genomic şi determinări calitative (RAPD şi RFLP), In: *Rapoarte tehnice, RTH 07004, INCDO-INOE2000, filiala Institutul de Cercetări pentru Instrumentaţie Analitică,* Cluj–Napoca, 2007. (ISSN 1842 – 5917). p. 1-27.
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16. **Mara Gy. -** Kocsis L. , Ásványvizes feltörések táplálta élőhelyek gőtefajainak 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 şi calitativă a fungilor cu rol în biocoroziune. Materiale si procese inovative. Volume de lucrări. 2008. p. 342-346.
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19. Szentes S., **Mara Gy.,** Laslo É., Lányi Sz., Radu G.-L: Isolation of possible planth 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. Kőmíves, 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. Invenţii:

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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.
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K. Participări la conferinţe naţionale şi internaţionale

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3. **Mara, Gy**.: Principalii factori de periclitare ale speciilor de amfibieni şi reptile din bazinele râurilor transilvănene. Râurile să curgă libere şi curate, *Conferinţă Internaţională a experţilor râurilor*, organizator Liga Pro Europa, Tg-Mureş, 2002, 22-24 martie.
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III. RECUNOAȘTEREA

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