

Curriculum vitae

Informații personale

Nume/Prenume: Abod (Tamás) Éva

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Cetățenia maghiară/română

Data și locul nașterii: 22.12.1983, Gheorgheni

Funcția și locul de muncă (universitatea, facultatea, catedra):

Lector universitar, Universitatea Sapientia, Facultatea de Științe Tehnice și Umaniste, Târgu Mureș, Departamentul Horticultură

Educație și formare. Diplome obținute

2015-2016 – Modul Psihopedagogic II., Universitatea SAPIENTIA, Cluj Napoca, Departamentul de Specialitate cu Profil Psihopedagogic – DSPP, Miercurea Ciuc

2014-2015 – Modul Psihopedagogic I., Universitatea SAPIENTIA, Cluj Napoca, Departamentul de Specialitate cu Profil Psihopedagogic – DSPP, Miercurea Ciuc

2008-2011 – doctorand la Universitatea POLITEHNICA din București, Facultatea de Chimie Aplicată și Știința Materialelor, București, Inginerie Chimică

2003-2008 – studii universitare la Universitatea SAPIENTIA, Cluj Napoca, Facultatea de Științe, Specializarea Ingineria și Protecția Mediului în Industrie, Miercurea Ciuc, Inginer diplomat

1998-2002 – bacalaureat, Liceul Teoretic SALAMON ERNŐ, Gheorgheni

Experiența profesională

2017 - prezent – Lector universitar, Universitatea SAPIENTIA, Cluj Napoca, Facultatea de Științe Tehnice și Umaniste, Târgu Mureș

2015-2017 – Asistent universitar asociat, Universitatea SAPIENTIA, Cluj Napoca, Facultatea de Științe Tehnice și Umaniste, Târgu Mureș

2012-2013 – Asistent universitar asociat, UBB Cluj-Napoca, Facultatea de Știința și Ingineria Mediului, Extensia Universitară Sfântu Gheorghe

Alte funcții deținute (nedeactice)

2012-2015 – Cercetător postdoctorand, Universitatea SAPIENTIA, Cluj Napoca, Facultatea de Științe, Miercurea Ciuc

2011-2012 – Asistent de cercetare, Universitatea SAPIENTIA, Cluj Napoca, Facultatea de Științe, Miercurea Ciuc

2008-2009 – Asistent de cercetare, Universitatea SAPIENTIA, Cluj Napoca, Facultatea de Științe, Miercurea Ciuc

Limbi străine cunoscute

Limba engleză: nivel vorbit mediu/scriș mediu

Activitatea didactică (cursuri, seminarii, lucrări practice conduse)

Instituția	Perioada	Discipline
Universitatea SAPIENTIA, Cluj Napoca, Facultatea de Științe, Miercurea Ciuc	2009/2010	Biochimie - practică de laborator Biologie celulară, moleculară și genetică - practică de laborator
	2012/2013	Chimia compușilor naturali biologic activ – practică de laborator Biotehnologii vegetale – practică de laborator
	2014/2015	Biologie - practică de laborator
	2015/2016	Biotehnologii alimentare - practică de laborator
BB Cluj-Napoca, Facultatea de Știința și Ingineria Mediului, Extensia Universitară Sfântu Gheorghe	2012/2013	Surse, procese și produse poluante - curs Coroziune și protecție anticorozivă - curs Proiectare pentru instalații tehnologice - curs
Universitatea SAPIENTIA, Cluj Napoca, Facultatea de Științe Tehnice și Umaniste, Târgu Mureș	2015/2016	Chimie generală - practică de laborator Biochimie - practică de laborator
	2016/2017	Chimie generală - practică de laborator Biochimie - practică de laborator Agrichimie I. - curs Agrichimie I. - practică de laborator Genetică - curs Genetică - practică de laborator Microbiologie - curs Microbiologie - practică de laborator Tehnică experimentală - curs Tehnică experimentală - practică de laborator

	2017/2018	Chimie generală - practică de laborator Biochimie - practică de laborator Agrichimie I. - curs Agrichimie I. - practică de laborator Genetică - curs Genetică - practică de laborator Microbiologie - curs Microbiologie - practică de laborator Tehnică experimentală - curs Tehnică experimentală - practică de laborator Biotehnologie - curs Biotehnologie - practică de laborator
	2018/2019 – prezent	Genetică - curs Genetică - practică de laborator Microbiologie - curs Microbiologie - practică de laborator Tehnică experimentală - curs Tehnică experimentală - practică de laborator Biotehnologie - curs Biotehnologie - practică de laborator

Activitatea de cercetare

1. Programul Operational Sectorial Axa 2.1.1/ ”Biopreparate microbiene pentru creșterea productivității și protecția culturilor agricole”/ BIOPREP. Nr. Contract: 169/16.06.2010. Durata de executare: 2010-2012 –membru

a. Principalele realizări:

i. Publicații:

Tamás, É., 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, ISSN 1582-9596, 2012, 11(3), pp. 675, IF = 1,435.

É. Laslo, É. György, Gy. Mara, É. Tamás, B. Ábrahám, Sz. Lányi: Screening of Plant Growth Promoting Rhizobacteria as Potential Microbial Inoculants, Crop Protection, ISSN: 0261-2194, DOI information: 10.1016/j.cropro.2012.05.002, IF: 1,403, SRI: 1,22016.

ii. Cerere de brevet de invenție:

Tamás, É., Mara, Gy., Máthé, I., György, É., Ábrahám, B., Laslo, É., Lányi, Sz.: Biopreparat microbial cu efect biofertilizant și procedeu de obținere, Număr OSIM: 12.06.2012, A/00422.

Mara, Gy., Laslo, É., Szentes, S., Tamás, É., György, É., Máthé, I., Ábrahám, B., Lányi, Sz.: Biopreparat microbial mixt cu efect benefic complex asupra creșterii plantelor și procedeu de obținere, Număr OSIM: 12.06.2012, A/00420.

2. Bursă postdoctorală finanțat de ÖMKi – Hungarian Research Institute of Organic Agriculture, Ungaria, ”Szerves anyag lebontó baktériumokon alapuló talajjavító oltóanyag előállítás”. Valoarea contractului: 8,873,519.11 HUF (139,314.25 RON). Număr contract: SB-CS-ÖMKi-12/2012. Durata de executare: 2012-2015.

Membru în organizații științifice și profesionale

2017 → Membru al Societății Maghiară Tehnico - Științifică din Transilvania

2017 → Membru al Corporației Doctorilor a Academiei Maghiare de Științe

Sfântu Gheorghe

Semnătura:

16.10.2023

LISTA DE LUCRĂRI

Articole publicate în reviste cotate ISI

1. **Tamás, É.**, Mara, Gy., Laslo, E., György, E., Máthé, I., Ábrahám, B., Lányi, Sz., Analysis of the biofilm production, swarming and swimming motility of *Pseudomonas* strains, *Studia Universitatis Babeş-Bolyai Chemia*, ISSN 1224-7154, Special Issue 2 / 2009, pp. 45, IF = 0,231.
2. 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 Chemia*, ISSN 1224-7154, Special Issue 2 / 2009, pp. 27, IF = 0,231.
3. Laslo, É., György, E., Mara, Gy **Tamás, É.**, I. 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 Chemia*, ISSN 1224-7154, LIV Special Issue 2 / 2009, pp. 53, IF = 0,231.
4. **Tamás, É.**, Mara, Gy., Sipos, R., Mészáros, É., Márialigeti, K., Lányi, Sz.: Detection of genes from the soil bacteria with role in the organic nitrogen and phosphorus mobilization, *Studia Universitatis Babeş-Bolyai Chemia*, ISSN 1224-7154, LV Special Issue / 2010, pp. 143, IF = 0,231.
5. **Tamás, É.**, 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*, ISSN 1582-9596, 2012, 11(3), pp. 675, IF = 1,435.
6. É. Laslo, É. György, Gy. Mara, **É. Tamás**, B. Ábrahám, Sz. Lányi: Screening of Plant Growth Promoting Rhizobacteria as Potential Microbial Inoculants, *Crop Protection*, ISSN: 0261-2194, DOI information: 10.1016/j.cropro.2012.05.002, IF: 1,403, SRI: 1,22016.
7. **Abod É.**, Laslo É., Szentes S., Lányi S., Mara Gy.: Plant Growth-Promoting Bacteria: Strategies to Improve Wheat Growth and Development Under Sustainable Agriculture. In: Kumar A., Meena V. (eds) *Plant Growth Promoting Rhizobacteria for Agricultural Sustainability*. Springer, Singapore, 2019, 1-17 pp, https://doi.org/10.1007/978-981-13-7553-8_1.
8. B. Putnoky-Csicsó, Sz. Tonk, A. Szabó, Zs. Márton, F. Tóthné Bogdányi, F. Tóth, **É. Abod**, J. Bálint 1,* and Adalbert Balog: Effectiveness of the Entomopathogenic Fungal

Species *Metarhizium anisopliae* Strain NCAIM 362 Treatments against Soil Inhabiting *Melolontha melolontha* Larvae in Sweet Potato (*Ipomoea batatas* L.), *Journal of Fungi*, 2020, 6, 116, <https://doi.org/10.3390/jof6030116>, IF: 5,816.

9. O. Papp, T. Kocsis, B. Biró, T. Jung, D. Ganszky, **É. Abod**, I. Tirczka, F. Tóthné Bogdányi, D. Drexler: Co-Inoculation of Organic Potato with Fungi and Bacteria at High Disease Severity of *Rhizoctonia solani* and *Streptomyces spp.* Increases Beneficial Effects, *Microorganisms*, 2021, 9(10), 2028; <https://doi.org/10.3390/microorganisms9102028>, IF: 4,128.

Articole publicate în reviste categoria B

10. **Tamás, É.**, Mara, Gy., Laslo, E., György, E., Máthé, I., Ábrahám, B., Lányi, Sz.: Microbial products as natural alternative to fertilizers II: Isolation and characterization of nitrogen fixing bacteria, *University Politehnica of Bucharest, Scientific Bulletin Series B: Chemistry and Materials Science*, 72(3), 2010, pag. 137-144, ISSN 1454-233, CNCSIS B+ [Ulrich S International Periodicals Directory, Scopus, Cambridge Scientific Abstracts].
11. 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*, 2010, 2(1), 129-132, ISSN: 2067-3205, CNCSIS B+.
12. 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*, 2010, 72(2), pp., ISSN 1454-233, CNCSIS B+ [Ulrich S International Periodicals Directory, Scopus, Cambridge Scientific Abstracts].
13. É. Laslo, É. György, I. Máthé, Gy. Mara, É., **Tamás, B.** Ábrahám, Sz. Lányi: 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*, 2011, 73(1), pp. 109-114, ISSN 1454-233, CNCSIS B+ [Ulrich S International Periodicals Directory, Scopus, Cambridge Scientific Abstracts].
14. S. Szentes, Gy. Mara, É., **Tamás, Sz.** Lányi, G. L. Radu: Preliminary data on Borsáros raised bog natural reserve Bryophyte associated bacteria, *University Politehnica of Bucharest, Scientific Bulletin Series B: Chemistry and Materials Science*, 2011, 73(4), pp. 23-30, ISSN 1454-233, CNCSIS B+ [Ulrich S International Periodicals Directory, Scopus, Cambridge Scientific Abstracts].

Articole în alte reviste din țară

15. **Tamás É.**, Mara Gy., Lányi Sz., Baktériumokon alapuló talajjavító oltóanyagok, *Csiki Székely Múzeum Évkönyve*, 2010, pp. 543-552.

Alte articole publicate în volumele manifestărilor științifice

16. **É. Tamás**, Gy. Mara, É. Laslo, É. György, L. Kémenes, Sz. Lányi: Natural alternative soil fertilization: analysis of plant growth promoting activity of selected soil bacteria, *Agrisafe Final Conference, Climate change: challenges and opportunities in agriculture*, At Martonvásár, 2011, ISBN: 978-963-8351-37-1.
17. É. Laslo, É. György, **É. Tamás**, Zs. Bodor, Sz. Lányi: Effect of beneficial bacterial strains isolated from wild plant roots and rhizosphere on the seed germination and plant growth of cultivated crops, *Agrisafe Final Conference, Climate change: challenges and opportunities in agriculture*, At Martonvásár, 2011, ISBN: 978-963-8351-37-1.
18. 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 International CIEC*, Constanța, 25-26 sept. 2008.
19. O. Papp, B. Biro, **E. Abod**, T. Jung, I. Tirczka, D. Drexler: *Rhizoctonia solani* infection reduced by bacterial and fungal combination of biofertilizer inoculums on organic potato, 2017, Geophysical Research Abstracts, Vol. 19, EGU2017, Vienna, Austria., p.11965.

Cerere de brevet de invenție

1. **Tamás, É.**, Mara, Gy., Máthé, I., György, É., Ábrahám, B., Laslo, É., Lányi, Sz.: Biopreparat microbial cu efect biofertilizant și procedeu de obținere, Număr OSIM: 12.06.2012, A/00422.
2. Mara, Gy., Laslo, É., Szentes, S., **Tamás, É.**, György, É., Máthé, I., Ábrahám, B., Lányi, Sz.: Biopreparat microbial mixt cu efect benefic complex asupra creșterii plantelor și procedeu de obținere, Număr OSIM: 12.06.2012, A/00420.

Participări la conferințe

1. **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, *16th Romanian International Conference on Chemistry and Chemical Engineering*, Sinaia, 9-12 sept, 2009.

2. 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, *16th Romanian International Conference on Chemistry and Chemical Engineering*, Sinaia, 9-12 sept, 2009.
3. E. Both, É. György, Cs. Z. Kibédi-Szabó, **É. Tamás**, B. Ábrahám, I. Miklóssy, Sz. Lányi, Acid and bile tolerance, adhesion to epithelial cells of probiotic microorganisms. *16th Romanian International Conference on Chemistry and Chemical Engineering*, Sinaia, 9-12 sept. 2009.
4. **Tamás, É.**, Mara, Gy., Laslo, É., György, É., Máthé, I., Ábrahám, B., Lányi, Sz.: Analysis of the biofilm production, swarming and swimming motility of *Pseudomonas* strains, *XV, International Conference on Chemistry*, Târgu Mureş, 12-15 nov, 2009.
5. Laslo, É., György, É., Máthé, I., Mara, Gy., **Tamás, É.**, Ábrahám, B., Lányi, Sz.: Applying microbial technology: solubilization of inorganic phosphate and producing siderophore by isolated nitrogen fixing bacteria. *15th International Conference on Chemistry*, Târgu Mureş, 12-15 november, 2009.
6. 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* (Expresia heterologă a alfa-amilazei în *Pichia pastoris*), *15TH International Conference on Chemistry*, Târgu Mureş, 12-15 november, 2009.
7. **Tamás, É.**, Mara, Gy., Laslo, É., György, É., Lányi, Sz., Selection of the organic nitrogen and phosphor mobilizing bacteria in order to develop bacterial inoculants, *Chemical Engineering Days '10*, Veszprém, Ungaria, 27-29 apr, 2010.
8. **Tamás, É.**, Mara Gy., Sipos R., Mészáros É., Márialigeti K., Lányi Sz.: Detection of genes from the soil bacteria with role in the organic nitrogen and phosphorus mobilization, *XVI. International Conference on Chemistry*, Târgu Mureş, 11-14 noiembrie, 2010.
9. **Tamás, É.**, Mara Gy., Laslo É., György É., Kémenes L., Lányi Sz.: Natural alternative soil fertilization: analysis of plant growth promoting activity of selected soil bacteria, *Agrisafe Final Conference*, Budapesta, Ungaria, 21-23 martie, 2011.
10. É. Laslo, É. György, **É. Tamás**, Zs. Bodor, Sz. Lányi: Effect of beneficial bacterial strains isolated from wild plant roots and rhizosphere on the seed germination and plant growth of cultivated crops, *Agrisafe Final Conference*, Budapesta, Ungaria, 21-23 martie, 2011.
11. **Tamás, É.**, Mara, Gy., Kémenes, L., Márialigeti, K., Lányi, Sz.: Extracellular organic material degradative enzymes produced by bacteria isolated from high mountain regions,

4th European Conference on Chemistry for Life Sciences (4ECCLS), Budapest, Ungaria, 31 august - 3 septembrie, 2011.

12. **Tamás, É.**, Mara, Gy., Lányi, Sz.: Natural alternative soil fertilization by organic nitrogen and phosphorus mobilizing bacteria, *6th International Conference Environmental Engineering and Management (6thICEEM)*, Balatonalmádi, Hungary, 1-4 septembrie, 2011.
13. **Tamás É.**, Mara Gy., Máthé I., Lányi Sz.: Determination the composition of industrial media for production of beneficial soil bacteria, *XVII. International Conference on Chemistry*, Cluj-Napoca, 3-6 noiembrie, 2011.
14. **Tamás, É.**: Delftia fajok szerepe a növények növekedésében és a mezőgazdasági talajok feljavításában, *Magyar Tudomány Ünnepe*, Miercurea Ciuc, 10 noiembrie, 2012.
15. **Tamás, É.** Mara Gy., Lányi Sz.: A Borsáros tőzeglápból származó növény növekedést serkentő új baktériumtörzsek, *XVIII. International Conference on Chemistry*, Băile Felix, 22-25 noiembrie, 2012.
16. **Tamás, É.**, Laslo, É., Mara, Gy., Lányi, Sz.: Bacterial decomposition of organic matter, *18th Romanian International Conference on Chemistry and Chemical Engineering*, Sinaia, 4-7 septembrie, 2013.
17. **Tamás, É.** Mara Gy., Lányi Sz.: Szerves anyag lebontó bakteriális oltóanyagok kifejlesztése mezőgazdasági célokra, *Magyar Tudomány Ünnepe*, Csíkszereda, 2014. november 21.
18. **Tamás É.** Mara Gy., Lányi Sz.: Növény növekedést serkentő baktériumtörzsek tenyésztési körülményeinek meghatározása, *XX. International Conference on Chemistry*, Târgu Mureș, 06-09 noiembrie, 2014.
19. **Abod É.**, Mara Gy., Lányi Sz.: Szerves anyag lebontó baktériumokon alapuló talajjavító oltóanyag előállítása, *MTNE - Magyar Tudomány Napja Erdélyben*, Sepsiszentgyörgy, 2016. november 19.
20. O. Papp, B. Biro, **E. Abod**, T. Jung, I. Tirczka, D Drexler: *Rhizoctonia solani* infection reduced by bacterial and fungal combination of biofertilizer inoculums on organic potato, *EGU2017 - European Geosciences Union General Assembly 2017, Geophysical Research Abstracts: Vol. 19, EGU2017-11965, Bécs, Ausztria, 2017 április 23-28.*