

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

NUMELE ȘI PRENUMELE: conf. dr. habil. Fodorpataki Laszlo

I. LISTA PUBLICAȚIILOR RELEVANTE

1. **Fodorpataki, L.**, Molnar, K., Tompa, B., Plugaru, S.R.C. (2019): Priming with vitamin U enhances cold tolerance of lettuce (*Lactuca sativa* L.), Not. Bot. Horti Agrobot., 47(3): 592-598.
2. Bartha Cs., **Fodorpataki L.**, Martinez-Ballesta, M.C., Popescu, O., Carvajal, M. (2015): Sodium accumulation contributes to salt stress tolerance in lettuce cultivars, J. Appl. Bot. Food Qual., 88: 42-48.
3. **Fodorpataki, L.**, Iakab, M., Tompa, B. (2021): Influence of high salinity and S-methylmethionine on some health-promoting metabolic properties of garden rocket leaves, Studia UBB Chemia, 66(4): 383-396.
4. Iakab, M., Domokos, E., Fazakas, C., Biro-Janka, B., **Fodorpataki, L.**, Albert, C., Orban, C.K., Dulf, F.V. (2024): Changes induced by vesicular-arbuscular fungus *Rhizophagus irregularis* in aerial parts of *Echinacea purpurea*, Sci. Hortic., 328: 112922.
5. **Fodorpataki, L.**, Kulcsar, P. (2023): Allelopathic interactions of brown mustard (*Brassica juncea* L.) with other aromatic plants during germination and seedling development, Not. Bot. Horti Agrobot., 51(4), 13382.
6. Halmagyi, A., Butiuc-Keul, A., Keul, M., Dobrota, C., **Fodorpataki, L.**, Pintea, A., Mocan, A., Pop, V., Coste, A. (2023): Impact of Aries River contaminants on algae and plants, Toxics, 11(10), 817.
7. **Fodorpataki, L.**, Molnar, K., Tompa, B., Bartha, Cs. (2021): Exogenous S-methylmethionine alleviates salinity stress by modulation of physiological processes in canola (*Brassica napus*), Intl. J. Agric. Biol., 25: 11-19.
8. Tompa, B., Balint, J., **Fodorpataki, L.** (2022): Enhancement of biomass production, salinity tolerance and nutraceutical content of spinach (*Spinacia oleracea* L.) with the cuticular wax constituent triacontanol, J. Appl. Bot. Food Qual., 95: 121-128.
9. Plugaru, S.R.C., **Fodorpataki, L.***, Orban, M., Sarb, A., Tompa, B., Kovacs, B. (2017): Comparative study on growth and photosynthetic pigment dynamics of two microalgae under the influence of water pollution with the herbicide glufosinate. Studia UBB Chemia, 62(3): 239-250.
10. Nyaradi, I.I., Molnar, K., Biro-Janka, B., Zsigmond, A.R., **Fodorpataki, L.*** (2024): Influence of water shortage and N:P ratio on growth and seed chemical components of hemp (*Cannabis sativa* L.), Not. Bot. Horti Agrobot., 52(4): 13941.

II. LISTA COMPLETĂ DE PUBLICAȚII

A. Teza de doctorat

”Cercetări privind influența unor factori abiotici asupra funcției fotosintetice a structurilor fotoasimilatoare ale plantelor”, conducător științific prof. dr. Mihai Trifu, Universitatea Babeș-Bolyai din Cluj-Napoca (anul susținerii: 1998)

Teza de abilitare:

”Studiul unor markeri fiziologici și biochimici ai toleranței plantelor față de factori de stres ambiental”, abilitare în domeniul Horticultură, Universitatea de Științe Agricole și Medicină Veterinară din Cluj-Napoca, Școala doctorală de științe agricole ingineresti, Ordin al ministrului educației privind acordarea atestatului de abilitare nr. 7776/17.12.2024 (anul susținerii: 2024)

B. Cărți publicate

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

1. **Fodorpataki L.** (2001): Mikroszkópos növénysszervezetten (Structura microscopică a plantelor), Editura EME, Cluj-Napoca, 404 pag., ISBN 973-8231-04-3.
2. **Fodorpataki L.**, Kis E., Fehér J., Kiss T. (2002): Biológia, Tankönyv a X. osztály számára (Manual de biologie pentru clasa a X-a), Ed. Ábel, Cluj-Napoca, 260 pag., ISBN 973-8239-28-1.
3. Nagy-Tóth F., **Fodorpataki L.** (2002): Élettudományi Kutatások Erdélyben (Cercetări de biologie în Transilvania), Editura Societății Muzeului Transilvan, Cluj-Napoca., 62 pag., ISBN 973-8231-15-9.
4. **Fodorpataki L.** (2004): A növények fotoszintézise (Fotosinteza plantelor), Ed. Kriterion, Cluj-Napoca, 310 pag., ISBN 973-26-0787-4.
5. **Fodorpataki L.**, Szigyártó L. (2008): A növények szaporodása és a mesterséges növénysszaporítás biotechnológiai alkalmazásai (Reproducerea plantelor și aplicații biotehnologice ale înmulțirii artificiale a plantelor), Cluj University Press, Cluj-Napoca, 244 pag., ISBN 978-973-610-740-5.
6. **Fodorpataki L.**, Papp J., Bartha Cs. Keresztes Zs. Gy. (2010): Növényélettan és ökofiziológia laboratóriumi gyakorlatok (Tehnici de laborator în fiziologia și ecofiziologia plantelor), Cluj University Press, Cluj-Napoca, 255 pag., ISBN 978-973-595-109-2.
7. **Fodorpataki L.**, Szigyártó L. (2013): A növények ökofiziológiájának alapjai (Bazele ecofiziologiei vegetale), ediția a 2-a, Ed. Kriterion, Cluj-Napoca, 456 pag., ISBN 978-973-26-1094-7.
8. **Fodorpataki L.**, Szigyártó L., Bartha Cs. (2022): Növénytani Ismeretek (Cunoștințe de botanică), ediția a 3-a, Editura Scientia, Cluj-Napoca, 248 p., ISBN: 978-606-975-061-2.
9. **Fodorpataki L.**, Tompa B. (2022): A Növények Élettana II. Tápanyag-gazdálkodás, Anyagsere (Fiziologia plantelor II. Gestionarea substanțelor nutritive, metabolism), Editura Kriterion, Cluj-Napoca, 420 p., ISBN: 978-973-26-1284-2.

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

1. **Fodorpataki L.** (2016): Növényanatómia gyakorlatok (Lucrări practice de anatomie vegetală), 421 pag. (vol. I și II), Atelierul de multiplicare al Universității Babeș-Bolyai, Cluj-Napoca.

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

1. **Fodorpataki L.** (2021): Gyógynövények és hatóanyagaik, ezek egészségügyi alkalmazásai („Plante medicinale și compușii lor farmacologic activi”), Universitatea „Babeș-Bolyai”, Facultatea de Biologie și Geologie, Departamentul de Biologie și Ecologie al Liniei Maghiare, Cluj-Napoca, 147 pag.,

<https://drive.google.com/file/d/187HSkODqervozjbu6hWRbouAW-BOI5M/view?usp=sharing>

2. **Fodorpataki L.** (2021): Algák biotechnológiai és ökotoxikológiai alkalmazásai („Aplicații biotehnologice și ecotoxicologice ale culturilor algale”), Universitatea „Babeș-Bolyai”, Facultatea de Biologie și Geologie, Departamentul de Biologie și Ecologie al Liniei Maghiare, Cluj-Napoca, 106 pag.,
https://drive.google.com/file/d/1CXDe0lxcBUVRuc-B-lk_RgSD-jlnE-g4/view?usp=sharing

B5. Capitole de cărți publicate în străinătate

1. **Fodorpataki L.**, Holinka B., György É. (2016): Priming with S-methylmethionine increases non-enzymatic antioxidant content of lettuce leaves exposed to salt stress. In: Asaduzzaman, M. (ed.): Controlled Environment Agriculture - Production of Specialty Crops Providing Human Health Benefits through Hydroponics, Nova Science Publ., New York, pp. 133-164, ISBN 978-1-63484-489-5.
2. **Fodorpataki, L.**, Plugaru, S.R.C., Molnar, K., Marossy, P., Tompa, B., Barna, S. (2017): Use of green microalgal cultures for bioremediation of freshwater environments polluted with chromium, nickel and cadmium. In: M. Kuddus (ed.): Bioremediation: Advances in Research and Applications, Nova Science Publ., New York, pp. 71-112, ISBN 978-1-53613-554-1.
3. **Fodorpataki L.** (2022): A plasztiszok (színtestek). [Plastidele] In: Máthé Cs. (red.): Növényi Sejtbiológia (Biologie celulară vegetală), Editura Universității din Debrecen, Debrecen, pp. 155-285, ISBN: 978-963-490-340-6.

C. Lucrări științifice publicate

C1. Lucrări științifice publicate în reviste cotate ISI (WOS)

1. Nyaradi, I.I., Molnar, K., Biro-Janka, B., Zsigmond, A.R., **Fodorpataki, L.*** (2024): Influence of water shortage and N:P ratio on growth and seed chemical components of hemp (*Cannabis sativa* L.), Not. Bot. Horti Agrobot., 52(4): 13941 (20 pp.)
<https://doi.org/10.15835/nbha52413941>
ISSN 1842-4309, IF 2024 = 1,400, DOI: 10.15835/nbha52413941
2. Iakab, M., Domokos, E., Fazakas, C., Biro-Janka, B., **Fodorpataki, L.**, Albert, C., Orban, C.K., Dulf, F.V. (2024): Changes induced by vesicular-arbuscular fungus *Rhizophagus irregularis* in aerial parts of *Echinacea purpurea*, Scientia Horticulturae, 328: 112922 (14 pp.)
<https://doi.org/10.1016/j.fitote.2024.105835>
ISSN 0304-4238, IF 2024 = 4,300, DOI: 10.1016/j.fitote.2024.105835
3. **Fodorpataki, L.**, Kulcsar, P. (2023): Allelopathic interactions of brown mustard (*Brassica juncea* L.) with other aromatic plants during germination and seedling development, Not. Bot. Horti Agrobot., 51(4), 13382 (18 pp.)
<https://doi.org/10.15835/nbha51413382>
ISSN 1842-4309, IF 2023 = 1,800, DOI: 10.15835/nbha51413382
4. Halmagyi, A., Butiuc-Keul, A., Keul, M., Dobrota, C., **Fodorpataki, L.**, Pintea, A., Mocan, A., Pop, V., Coste, A. (2023): Impact of Aries River contaminants on algae and plants, Toxics, 11(10), 817 (30 pp.) <https://doi.org/10.3390/toxics11100817>
ISSN 2305-6304, IF 2023 = 4,600, DOI: 10.3390/toxics11100817
5. Molnar, K., Biro-Janka, B., Domokos, E., Nyaradi, I.-I., **Fodorpataki, L.**, Stoeie, A., Duda, M. M. (2023): Effects of seed priming and foliar treatment with ascorbate, cysteine and triacontanol on canola (*Brassica napus* L.) under field conditions,

- Horticulturae, 9, 207 (19 pp.) <https://doi.org/10.3390/horticulturae9020207>
ISSN 2311-7524, IF 2023 = 2,923, DOI: 10.3390/horticulturae9020207
6. Tompa, B., Balint, J., **Fodorpataki, L.** (2022): Enhancement of biomass production, salinity tolerance and nutraceutical content of spinach (*Spinacia oleracea* L.) with the cuticular wax constituent triacontanol, J. Appl. Bot. Food Qual., 95: 121-128. <https://doi.org/10.5073/JABFQ.2022.095.016>
ISSN 1613-9216, IF 2022 = 1,200, DOI: 10.5073/JABFQ.2022.095.016
 7. **Fodorpataki, L.**, Iakab, M., Tompa, B. (2021): Influence of high salinity and S-methylmethionine on some health-promoting metabolic properties of garden rocket leaves, Studia UBB Chemia, 66(4): 383-396. <https://doi.org/10.24193/subbchem.2021.4.28>
ISSN 2065-9520, IF 2021 = 0,558, DOI: 10.24193/subbchem.2021.4.28
 8. **Fodorpataki, L.**, Molnar, K., Tompa, B., Plugaru, S.R.C. (2019): Priming with vitamin U enhances cold tolerance of lettuce (*Lactuca sativa* L.), Not. Bot. Horti Agrobot., 47(3): 592-598. <https://doi.org/10.15835/nbha47311433>
ISSN 1842-4309, IF 2019 = 1,200, DOI: 10.15835/nbha47311433
 9. Plugaru, S.R.C., **Fodorpataki, L.***, Orban, M., Sarb, A., Tompa, B., Kovacs, B. (2017): Comparative study on growth and photosynthetic pigment dynamics of two microalgae under the influence of water pollution with the herbicide glufosinate. Studia UBB Chemia, 62(3): 239-250. <https://doi.org/10.24193/subbchem.2017.3.20>
ISSN 2065-9520, IF 2017 = 0,305, DOI: 10.24193/subbchem.2017.3.20
 10. Plugaru, S.R.C., Rusu, T., Molnar, K., **Fodorpataki, L.** (2017): Chromium removal from polluted water and its influence on biochemical and physiological parameters in algal cells used for phytoremediation, Studia UBB Chemia, 62(3): 225-238. <https://doi.org/10.24193/subbchem.2017.3.19>
ISSN 2065-9520, IF 2017 = 0,305, DOI: 10.24193/subbchem.2017.3.19
 11. Kuhn, T., Fodor, E.I., Tripon, S., **Fodorpataki, L.**, Fenesi, A., Ruprecht, E. (2016): Allometric relationships between diaspore morphology and diaspore covering anatomy of herbaceous species from Central-Eastern Europe, Seed. Sci. Res., 26(3): 264-272. <https://doi.org/10.1017/S0960258516000131>
ISSN 1475-2735, IF 2016 = 1,903, DOI: 10.1017/S0960258516000131
 12. Bartha Cs., **Fodorpataki L.**, Martinez-Ballesta, M.C., Popescu, O., Carvajal, M. (2015): Sodium accumulation contributes to salt stress tolerance in lettuce cultivars, J. Appl. Bot. Food Qual., 88: 42-48. <https://doi.org/10.5073/JABFQ.2015.088.008>
ISSN 1613-9216, IF 2015 = 0,814, DOI: 10.5073/JABFQ.2015.088.008
 13. Parvu, M., Vlase, L., **Fodorpataki L.**, Parvu, O., Rosca-Casian, O., Bartha Cs., Barbu-Tudoran, L., Parvu, A.E. (2013): Chemical composition of celandine (*Chelidonium majus* L.) extract and its effects on *Botrytis tulipae* (Lib.) Lind fungus and on tulip, Not. Bot. Horti Agrobot., 41(2): 1-13. <https://doi.org/10.15835/nbha4129077>
ISSN 1842-4309, IF 2013 = 0,476, DOI: 10.15835/nbha4129077
 14. Nagy-Korodi I., Weiszbürg G. T., **Fodorpataki L.**, Bartha A. (2011): Environmental impact of mining activity on the Turt Creek, Eastern Carpathians, Romania, Carpathian Journal of Earth and Environmental Sciences, 6(2): 195-207. <https://www.cjees.ro/viewIssue.php?issueId=15>
ISSN 1842-4090, IF 2011 = 1,450
 15. Horváth G., Droppa M., **Fodorpataki L.**, Istokovics A., Garab Gy., Oettmeier, W. (1996): Acridones: A chemically new group of protonophores, Proc. Natl. Acad. Sci. USA 96: 3876-3880. <https://doi.org/10.1073/pnas.93.9.3876>
ISSN 0027-8424, IF 1996 = 10,787, DOI: 10.1073/pnas.93.9.3876

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

1. **Fodorpataki, L.**, Kulcsár, P. (2025): Allelopathy between aromatic plant species during early developmental stages, *Acta Univ. Sap. Agric. Environ.*, 17: 87-109.
<https://doi.org/10.47745/ausae-2025-0008>
ISSN 2065-748X, BDI: Agricola, Cabi, Doaj, Ebsco, J-Gate etc.
2. **Fodorpataki, L.**, Berkecz, R., Lunka, T. A. (2022): Stimulation of physiological processes in St. John's wort (*Hypericum perforatum* L.) seedlings by treatments with triacontanol and benzyladenine, *Acta Biol. Maris.*, 5(2): 19-30.
<https://doi.org/10.2478/abmj-2022-0007>
ISSN 2668-5124, BDI: Cnpiec, Ebsco, J-Gate, Naviga, Summon etc.
3. **Fodorpataki, L.**, Molnar, K., Tompa, B., Bartha, Cs. (2021): Exogenous S-methylmethionine alleviates salinity stress by modulation of physiological processes in canola (*Brassica napus*), *Intl. J. Agric. Biol.*, 25: 11-19.
<https://doi.org/10.17957/IJAB/15.1632>
ISSN 1814-9596, BDI: Scopus, ProQuest, CABI, Index Copernicus etc.
4. Tompa, B., **Fodorpataki, L.** (2021): Influence of triacontanol and salt stress on the growth and metabolism of spinach, *Acta Univ. Sap. Agric. Environ.*, 13: 65-76.
<https://doi.org/10.2478/ausae-2021-0006>
ISSN 2065-748X, BDI: Agricola, Cabi, Doaj, Ebsco, J-Gate etc.
5. Molnár, K., Biró-Janka, B., Nyárádi, I.I., **Fodorpataki, L.**, Varga, B.E., Bálint, J., Duda, M.M. (2020): Effects of priming with ascorbic acid, L-cystein and triacontanol on germination of rapeseed (*Brassica napus* L.), *Acta Biol. Maris.*, 3(2): 48-55.
<https://doi.org/10.2478/abmj-2020-0010>
ISSN 2668-5124, BDI: Cnpiec, Ebsco, J-Gate, Naviga, Summon etc.
6. Tompa, B., Jakab, K., **Fodorpataki, L.** (2020): Triacontanol compensates for cadmium toxicity effects on growth and photosynthesis, *Analele Univ. Oradea, Fasc. Biol.*, 27(2): 123-128.
<https://www.bioresearch.ro/2020-2/123-128-AUOFB.27.2.2020-TOMPA.B.-Triacontanol.compensates.for.Cd.pdf>
ISSN 1224-5119, BDI: Cabi, CiteFactor, Doaj, Scopus etc.
7. **Fodorpataki, L.**, Barna, S., Holinka, B. (2015): Differential responses of components of the antioxidative defense system to high salinity stress in the lesser duckweed (*Lemna minor* L.), *Studia Univ. Babes-Bolyai, Biologia*, 60(1): 39-55.
http://studia.ubbcluj.ro/download/pdf/Biologia_pdf/2015_1/03.pdf
ISSN 1221-8103, BDI: AgBiotechNet, Biological Abstracts, Cabi, Scopus etc.
8. Kuhn T., Fodor E.I., Tripon, S., Ferencz E., Fenesi A., **Fodorpataki L.**, Ruprecht E. (2015): The seed covering anatomy of six herbaceous species from Central-Eastern Europe, *Contrib. Bot.*, 50: 165-172.
http://contributiibotanice.reviste.ubbcluj.ro/materiale/2015/Contrib_Bot_vol_50_pp_165-172.pdf
ISSN 0069-9616, BDI: Biosis, Cabi, Ebsco, Index Copernicus, Scopus, Viniti etc.
9. **Fodorpataki L.**, Barna Sz., Deák H., Kovács B., Geráj J., Holinka B. (2014): Physiological markers of duckweed (*Lemna minor* L.) for bioindication of water pollution with copper and diuron, *Analele Univ. Oradea, Fasc. Biologie* 20(1): 19-23.
<https://www.bioresearch.ro/2014-1/019-023-AUOFB.21.1.2014.FODORPATAKI.L.-Physiological.markers.pdf>
ISSN 1224-5119, BDI: Cabi, CiteFactor, Doaj, Scopus etc.
10. **Fodorpataki L.**, Geráj J., Deák H., Barna Sz., Kovács B. (2013): Influence of inorganic nutrients on parameters of biomass production in a local strain of the microalga

Scenedesmus acuminatus, Contrib. Bot. 48: 83-94.

http://contributiibotanice.reviste.ubbcluj.ro/materiale/2013/Contrib_Bot_vol_48_pp_083-094.pdf

ISSN 0069-9616, BDI: Biosis, Cabi, Ebsco, Index Copernicus, Scopus, Viniti etc.

11. **Fodorpataki L.**, Keresztes Zs. Gy., Bartha Cs., Márton A. L., Barna Sz. (2013): Methylmethionine (vitamin U) alleviates negative effects of chemical stressors on photosynthesis of the green alga *Scenedesmus opoliensis*. In: Kuang, T., Lu, C., Zhang, L. (red.): Photosynthesis Research for Food, Fuel and Future, Advanced Topics in Science and Technology in China series, Springer Verlag, Beijing, pp. 603-607. ISBN 978-3-642-32033-0
<https://core.ac.uk/download/pdf/80768288.pdf>
12. **Fodorpataki L.**, Márton A.L., Zelina K., Kőmíves I., Deák H., Geráj J. (2012): Influence of photon flux density and high salinity on the level of some components of the antioxidative defense system in lettuce leaves, Acta Univ. Sap., Seria Alim., 5: 18-31. <https://acta.sapientia.ro/content/docs/influence-of-photon-flux-density-and-high-salinity-on-the-level-of-some-components-of-the-antioxidative-defence-system-in-lettuceleaves-.pdf>
ISSN 1844-7449, BDI: Agricola, Cabi, Cnpiac, Doaj, Ebsco etc.
13. Bartha Cs., **Fodorpataki L.**, Székely Gy., Popescu, O. (2010): Physiological diversity of lettuce cultivars exposed to salinity stress, Contrib. Bot. 45: 47-56.
http://contributiibotanice.reviste.ubbcluj.ro/materiale/2010/Contrib_Bot_vol_45_pp_047-056.pdf
ISSN 0069-9616, BDI: Biosis, Cabi, Ebsco, Index Copernicus, Scopus, Viniti etc.
14. **Fodorpataki L.**, Keresztes Zs. Gy., Bartha Cs., Barna Sz. (2010): Bioindication of water pollution in the Somes River using biochemical and physiological parameters of the green alga *Scenedesmus opoliensis* P. Richter, Egypt. J. Phycol., 11: 49-68.
<https://doi.org/10.21608/EGYJS.2010.114892>
ISSN 1110-8649, BDI: SciSpace, Ebsco, Cabi etc.
15. Bartha Cs., **Fodorpataki L.**, Nagy E., Keresztes Zs. Gy., Székely Gy., Popescu, O. (2010): Photosynthesis and water relations of leaf cells exposed to salt stress, Annals Rom. Soc. Cell Biol., 15(1): 211-218.
<https://annalsofrscb.ro/index.php/journal/issue/view/4>
ISSN 1583-6258, BDI: Scopus
16. **Fodorpataki L.**, Bartha Cs., Keresztes Zs. Gy. (2009): Stress-physiological reactions of the green alga *Scenedesmus opoliensis* to water pollution with herbicides, Analele Univ. Oradea, Fasc. Biologie, 16(1): 51-56.
<https://www.bioresearch.ro/2009-1/051-56-FODORPATAKI-An.U.O.Bio.2009.1.pdf>
ISSN 1224-5119, BDI: Cabi, CiteFactor, Doaj, Scopus etc.
17. Keresztes Zs. Gy., **Fodorpataki L.**, V.-Balogh K. (2008): Photochemical degradation of dissolved organic substances in Lake Balaton, Hidrol. Kozl. 88(6): 81-83.
https://library.hungaricana.hu/hu/view/HidrologiaiKozlony_2008/?pg=422&layout=s
ISSN 0018-1323, BDI: Abstr. Fluidex, Appl. Mech., Rew. Chem., Water Res. etc.
18. Ágyi Á., **Fodorpataki L.**, Vanyovszki J., Somogyi B., Vörös L. (2008): A fitoplankton fotoszintézise folyamatosan változó fényviszonyok mellett, Hidr. Kozl. 88(6): 8-11.
https://library.hungaricana.hu/hu/view/HidrologiaiKozlony_2008/?pg=349&layout=s
ISSN 0018-1323, BDI: Abstr. Fluidex, Appl. Mech., Rew. Chem., Water Res. etc.
19. **Fodorpataki L.**, Bartha L. (2008): Differential sensitivity of the photosynthetic apparatus of a freshwater green alga and of duckweed exposed to salinity and heavy metal stress. In: Allen, J.F., Gantt, E., Golbeck, J.H., Osmond, B. (eds.): Photosynthesis: Energy from the Sun, Springer, 1451-1454. (conference paper)

20. Bartha L., **Fodorpataki L.** (2007): Physiological reactions of the succulent CAM plant *Bryophyllum daigremontianum* to increased salinity, *Contrib. Bot.* 42: 47-56.
<http://contributiibotanice.reviste.ubbcluj.ro/materiale/2007/articol7.pdf>
ISSN 0069-9616, BDI: Biosis, Cabi, Ebsco, Index Copernicus, Scopus, Viniti etc.
21. **Fodorpataki L.**, Vass I. Z. (2005): Changes in chlorophyll fluorescence during the greening of etiolated leaves, *Studia Univ. Babeş-Bolyai, Biologia*, 50(1): 17-24.
<http://studia.ubbcluj.ro/download/pdf/20.pdf>
ISSN 1221-8103, BDI: AgBiotechNet, Biological Abstracts, Cabi, Scopus etc.
22. Butiuc-Keul, A., Ionescu, P., **Fodorpataki L.** (2004): Evidenţierea mecanismelor fotoinhibiţiei în suspensii de cloroplaste, *Annals Rom. Soc. Cell Biol. (Analele SNBC)*, 9(1): 295-303.
<https://annalsofrscb.ro/index.php/journal/issue/archive/2>
ISSN 1583-6258, BDI: Scopus
23. Butiuc-Keul, A., **Fodorpataki L.**, Bathory, D., Keul, M. (2004): Photoinhibition effects on pea plantlets, *Contrib. Bot.*, 39: 161-168.
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C6. Lucrări științifice publicate în volumele manifestărilor științifice

1. Barna Sz., Geraj J., Deák H., Kovács B., **Fodorpataki L.** (2014): Use of physiological parameters of algae in bioindication of water pollution. In: Zsigmond A.-R., Szigyártó L., Szikszai A. (red.): Xth Regional Conference of Environmental Sciences in the Carpathian Basin, pp. 50-54.
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5. **Fodorpataki L.** (2003): A fitoplankton ökofiziológiai állapotának vizsgálata erdélyi folyószakaszokon. In: Ujvárosi L. (red.): Erdély folyóinak természeti állapota, Ed. Scientia, Cluj-Napoca, 45-67.
6. **Fodorpataki L.**, Márton A. L., Csorba T. (2002): Vegyi vízszennyezés élettani és bioproduktivitási hatásainak vizsgálata zöldalgál *in vitro* sejtenyészeiben. In: Nagy L. (red.): Tanulmányok a természettudományok tárgyköréből, Ed. Scientia, Cluj-Napoca, pp. 151-198.
7. **Fodorpataki L.**, Papp J. (2002): Investigarea capacității adaptative a unor microalge planctonice din râul Mureș în condiții de poluare chimică a apei. In: Sárkány-Kiss A., Sîrbu I. (red.): Contribuții la cunoașterea ecologiei râurilor și zonelor umede din bazinul Tisei, Ed. Liga Pro Europa, Târgu Mureș, pp. 23-32.
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9. Nagy-Tóth F., **Fodorpataki L.** (2000): Tündéerkertész – Lorántffy Zsuzsanna kertészeti jelentősége. In: Tamás E. (red.): Erdély és Patak Fejedelemszonya, II. kötet: 123-140, Rákóczi Múzeum Füzetek, Sárospatak (Ungaria).
10. Nagy-Tóth F., **Fodorpataki L.** (1999): A növénytan és a növénybiológia oktatása. In: Faragó J. (red.): A Kolozsvári Bolyai Tudományegyetem, 219-227, Possum, Budapest.
11. Cachița-Cosma, D., Zăpârțan, M., Cristea, V., Petrescu, C., Gergely K., **Fodorpataki L.** (1995): Biological clock and *in vitro* organogenesis. In: Cachița-Cosma, D. (red.): *In vitro* explant cultures - present and perspectives, pp. 16-20, Cluj-Napoca.

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

Traducere capitol de carte în limba engleză: Uherkovich G., Schmidt A., Ács É. (1995): The green algal genus *Scenedesmus* (Chlorococcales, Chlorophyceae) with special attention to taxa occurring in Hungary, [A *Scenedesmus* zöldalga nemzetség, különös tekintettel

magyarországi előfordulású taxonjaira], pp. 272, Hungarian Algological Society, Budapest, ISBN 963-045-585-4. Partea tradusă: pag. 6-44, 62, 102-103, 166, 210-211.

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

Director / responsabil partener proiect

1. 2001-2002: "Studies concerning the influence of environmental stresses on the biomass production and on ontogenetic processes in *in vitro* cultures of algal cells and of tissues of some rare plants", Grant T 138/2000, CNCSIS (membri: dr. Papp Judit, stud. Marton Attila, stud. Kiss Oszkar Zsolt), valoare 47000 USD
2. 2001: "Vegyí vízszennyezés élettani és bioproduktivitási hatásainak vizsgálata zöldalgák *in vitro* sejtenyésztéseiben", Grant al Fundației Sapientia, Institutul Programelor de Cercetare (membri: stud. Márton Attila, stud. Csorba Tibor)
3. 2003-2004: "A halotolerancia és a fényviszonyokhoz való alkalmazkodás ökofiziológiai alapjainak és a terméshozam javításában való felhasználhatóságának összehasonlító vizsgálata különböző növényeken", Grant al Institutului Programelor de Cercetare Sapientia (membru: Bartha Csaba)
4. 2004-2005: „Szerkezeti analógiák és homológiák összehasonlító anatómiai vizsgálata különböző vízviszonyokhoz alkalmazkodott növények hajtásszerveinek szintjén”, Grant al Institutului Programelor de Cercetare Sapientia (membru: Venczel Sándor)
5. 2005-2006: „A fotoszintetizáló képesség módosulásainak vizsgálata az indukált klorofill-fluoreszcencia módszerével környezetszennyező anyagok jelenlétében fejlődő fiatal levelekben”, Grant al Institutului Programelor de Cercetare Sapientia (membri: Csanádi Zoltán și Varga Zoltán)
6. 2005-2008: „Metodă ecologică complexă de evaluare și biomonitorizare a calității bazinului hidrografic Someș”, MONISOM, progr. MENER, tip P-CD, PC-D06-PT25-293 (responsabil de proiect din partea Asociației „Apathy Istvan”, director coordonator: conf. dr. Sárkány-Kiss Andrei), valoare totală 300000 RON, suma pentru Asociația „Apathy Istvan” fiind de 60000 RON

Membru în echipă

internațională:

7. 2001-2003: "Investigation of the risk of cyanide in gold leaching on health and environment in Central Asia and Central Europe" (IRCYL), INCO Copernicus Project ICA 2-1999-10065 (director: prof. dr. Cordoș Emil)
- națională:
8. 1999-2000: "Investigation of the natural resources of the Mures river for sustainable development", Group Research Support Scheme Grant 1978/768/1999, Foundation for an Open Society(director: conf. dr. Sarkany-Kiss Andrei)
 9. 2001-2002: „A cianidszennyezésnek és nehézfémterhelésnek kitett folyóvízi életközösségek állapotának és fenntarthatóságának komplex vizsgálata a Lápos, Szamos és Tisza völgyeiben”, Fundația Arany János (Ungaria), director: conf. dr. Sárkány-Kiss Andrei
 10. 2002: „Erdélyi folyószakaszok szennyezettségi foka és a vízi szervezetek ökológiai tűrőképessége közti összefüggések tanulmányozása a rehabilitációs lehetőségek szempontjából”, grant al Fundației Sapientia, Institutul Programelor de Cercetare (director: dr. Újvárosi Lujza)
 11. 2001-2003: "Studiul hiperacumulării metalelor grele în vederea fitoremedierii terenurilor poluate", Grant AT, CNCSIS (director: șef lucr. dr. Dobrotă Cristina)
 12. 2003-2005: „Studiul mecanismelor de fotoinhibiție și de fotoprotecție a aparatului fotosintetic la nivel molecular și de organism vegetal”, Proiect Național de Cercetare, Programul CERES (3-46), codirector din partea UBB ca partener (în colaborare cu

- ICB Cluj-Napoca, director de proiect cercet. dr. Keul Butiuc Anca), valoare 100 000 RON
13. 2006-2007: „Evaluarea efectelor ecofizilogice și cito-genotoxice ale unor xenobiotice din ecosisteme acvatice poluate (CITOTENOTOX)”, proiect CEEX, P-CD, coordonat de ICB Cluj-Napoca (director: cercet. dr. Adela Halmagyi), valoare 300 000 RON
 14. 2017-2019: membru în echipa proiectului ”Studiu algologic și chimic al mediului acvatic din Lacul Ursu și Lacul Aluniș de la Sovata”, proiect finanțat de Balneoclimaterica S.A. (contract 1171/2017), coordonat de Universitatea Sapientia, cu parteneri din Ungaria (Institutul de Cercetări Limnologice Tihany, Catedra de Microbiologie a Universității Eötvös Loránd din Budapesta)
 15. 2020: membru în echipa proiectului de cercetare ”Studiu privind starea ecologică actuală a Lacului Sfânta Ana”, proiect comandat și finanțat de Asociația de Dezvoltare Intercomunitară Turistică ”Ciomad-Balványos” (coordonator proiect: conf. dr. Máthé István de la Universitatea Sapientia, Facultatea din Miercurea Ciuc, cu parteneri de la Institutul de Cercetări Limnologice Tihany (Ungaria) și de la Catedra de Microbiologie a Universității Eötvös Loránd din Budapesta, valoare 11 000 Euro (55 000 RON)
 16. 2020-2021: membru în echipa proiectului ROSE nr. AG 310/SGU/PU/III, intitulat ”Viitorul Planetei Pământ2-VIPP2” (coordonator proiect: șef lucr. dr. Kis Erika, autoritate: MEN-UMPFE), valoare 554 356,98 RON
 17. 2022-2023: „Dezvoltarea tehnologiei de cultivare la cânepa (*Cannabis sativa* L.) pentru semințe”, proiect KPIOR (director de proiect dr. Nyaradi Imre Istvan), 10000 EUR
 18. 2022-2023: „Influența fertilizării controlate asupra conținutului de ulei și a modificării componentelor acestuia la cânepa pentru semințe”, proiect al Institutului de Cercetare al Societății Muzeului Ardelean, nr. contract 459.10.5/2022 (director de proiect dr. Nyaradi I. Istvan), 3300 RON
 19. 2023-2024: ”Îmbunătățirea tehnologică a producției de microverzi”, proiect al Institutului de Cercetare al Societății Muzeului Ardelean, nr. contract 407.11.2/2023 (director de proiect dr. Biro-Janka Bela), 4508 RON

III. RECUNOAȘTEREA

I. Premii, distincții

1. diploma de merit a revistei “Természet Világa” din Ungaria pentru anul 2001 pentru lucrarea: ”Az U-vitamin és az algák” (Efectele vitaminei U asupra algelor)
2. diploma de merit a Universității “Babeș-Bolyai” în 2002 pentru contribuția la dezvoltarea universității
3. diploma de merit a Universității “Babeș-Bolyai” în 2004 pentru excelență didactică
4. medalia ”Miko Imre” pentru activitatea științifică desfășurată în slujba Societății Muzeului Ardelean și pentru activitatea de redactor șef al revistei Acta Scientiarum Transylvaniae (2010)

J. Citări

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