

Lista de publicații conf. dr. Fodorpataki Laszlo

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)

B. Cărți publicate și capitole de carte:

Cărți (manuale, monografii, tratate, îndrumare etc.) publicate în țară:

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 ecofiziologice vegetale), ediția a 2-a, Ed. Kriterion, Cluj-Napoca, 456 pag., ISBN 978-973-26-1094-7.
8. **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.
9. **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.
10. **Fodorpataki L., Tompa B.** (2022): A Növények Élettana II. Tápanyag-gazdálkodás, Anyagcsere (Fiziologia plantelor II. Gestionarea substanțelor nutritive, metabolism), Editura Kriterion, Cluj-Napoca, 420 p., ISBN: 978-973-26-1284-2.

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

11. **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/187HSkODqervozvjbu6hWRbouAW-BOI5M/view?usp=sharing>

12. **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/1CXDC0lxcBUVRuc-B-Ik_RgSD-jlnE-g4/view?usp=sharing

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 (szintestek). [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:

Lucrări științifice publicate în reviste cu factor de impact cotate WoS:

1. 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
2. **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
3. Halmagyi, A., Butiuc-Keul, A., Keul, M., Dobrota, C., **Fodorpataki, L.**, Pinte, 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
4. 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
5. 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
6. **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
7. **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
 8. 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
 9. 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
 10. 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
 11. 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
 12. 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
 13. Nagy-Korodi I., Weiszburg 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
 ISSN 1303-0868, IF 2003 = 2,118, 0deec52fdf9028062a000000.pdf
 14. 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

Lucrări științifice publicate în reviste indexate în baze de date internaționale:

1. **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.
2. 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.
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, DOI: 10.17957/IJAB/15.1632, BDI: CrossRef, Mendeley, WorldCat, CAS, Bloomberg, SJR etc.
 4. 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.
 5. 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.
 6. **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. Babeş-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.
 7. 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.
 8. **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.
 9. **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.
 10. **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>
 11. **Fodorpataki L.**, Márton A.L., Zelina K., Kőmives 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.
12. 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.
13. 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
14. **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.
15. 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.
16. Ágyi Á., **Fodorpataki L.**, Vanyovszki J., Somogyi B., Vörös L. (2008): A fitoplankton fotoszintézise folyamatosan változó fényviszonyok mellett, *Hidrol. 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.
17. **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)
https://doi.org/10.1007/978-1-4020-6709-9_312
ISBN 978-1-4020-6707-5, BDI: Thomson Reuters, Springer Link
18. 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.
19. **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.
20. Butiuc-Keul, A., Ionescu, P., **Fodorpataki L.** (2004): Evidențierea mecanismelor fotoinhibiției 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
21. Butiuc-Keul, A., **Fodorpataki L.**, Bathory, D., Keul, M. (2004): Photoinhibition effects

- on pea plantlets, *Contrib. Bot.*, 39: 161-168.
http://contributiibotanice.reviste.ubbcluj.ro/materiale/2004/Contrib_Bot_vol_39_pp_161-167.pdf
ISSN 0069-9616, BDI: Biosis, Cabi, Ebsco, Index Copernicus, Scopus, Viniti etc.
22. Fodorpataki L., Bartha Cs. (2004): Salt stress tolerance of a freshwater green alga under different photon flux densities, *Studia Univ. Babeş-Bolyai, Biologia*, 49(2): 85-94.
<http://studia.ubbcluj.ro/download/pdf/19.pdf>
ISSN 1221-8103, BDI: AgBiotechNet, Biological Abstracts, Cabi, Scopus etc.
23. Butiuc-Keul, A., Fodorpataki L., Deliu, C. (2004): Organizarea membranelor tilacoidale și funcționarea lor sub influența stresului fotic, *Studia Univ. Babeş-Bolyai, Biologia*, 49(2): 73-84.
<http://studia.ubbcluj.ro/download/pdf/19.pdf>
ISSN 1221-8103, BDI: AgBiotechNet, Biological Abstracts, Cabi, Scopus etc.
24. Fodorpataki L., Bartha Cs., Demeter Sz. J., Turoczy Z. (2003): Interactive effects of hypoxia, low light stress and different carbon sources on photosynthetic parameters of the green alga *Scenedesmus intermedius* Chod., *Contrib. Bot.* 38(1): 105-111.
[http://contributiibotanice.reviste.ubbcluj.ro/materiale/2003\(1\)/Contrib_Bot_vol_38\(1\)_pp_105-111.pdf](http://contributiibotanice.reviste.ubbcluj.ro/materiale/2003(1)/Contrib_Bot_vol_38(1)_pp_105-111.pdf)
ISSN 0069-9616, BDI: Biosis, Cabi, Ebsco, Index Copernicus, Scopus, Viniti etc.
25. Papp J., Fodorpataki L. (2002): Evaluation of organic pollution of the Mureş River based on the study of the indicator microflora, *Contrib. Bot.* 37: 231-238.
http://contributiibotanice.reviste.ubbcluj.ro/materiale/2002/Contrib_Bot_vol_37_pp_231-237.pdf
ISSN 0069-9616, BDI: Biosis, Cabi, Ebsco, Index Copernicus, Scopus, Viniti etc.
26. Fodorpataki L., Papp J. (2002): Ecophysiological studies based on chlorophyll fluorescence in algal cell cultures, *Contrib. Bot.* 37: 221-230.
http://contributiibotanice.reviste.ubbcluj.ro/materiale/2002/Contrib_Bot_vol_37_pp_221-230.pdf
ISSN 0069-9616, BDI: Biosis, Cabi, Ebsco, Index Copernicus, Scopus, Viniti etc.
27. Kiss Zs., Balogh A., Fodorpataki L. (2001): Efficiency improvement in the mericlone micropropagation of a rare variety of carnation, *Contrib. Bot.* 36: 147-154.
http://Contrib.%20Bot.%20before%202002/Kiss%20et%20al_2001.pdf
ISSN 0069-9616, BDI: Biosis, Cabi, Ebsco, Index Copernicus, Scopus, Viniti etc.
28. Halmágyi A., Deliu, C., Fodorpataki L., Munteanu-Deliu, C. (2001): Preservation of entrapped somatic embryos of carrot (*Daucus carota*) in culture media with growth inhibitors, *Contrib. Bot.* 36: 121-130.
http://Contrib.%20Bot.%20before%202002/Halmagyi%20et%20al_2001.pdf
ISSN 0069-9616, BDI: Biosis, Cabi, Ebsco, Index Copernicus, Scopus, Viniti etc.
29. Deliu, C., Munteanu-Deliu, C., Fodorpataki L., Tămaş, M. (2001): Excretion of protoberberine alkaloids by immobilized cells of *Berberis parvifolia* in alginate beds, *Contrib. Bot.* 36: 109-120.
http://Contrib.%20Bot.%20before%202002/Deliu%20et%20al_2001.pdf
ISSN 0069-9616, BDI: Biosis, Cabi, Ebsco, Index Copernicus, Scopus, Viniti etc.
30. Fodorpataki L., Márton A., Csorba T. (2001): Stress-physiological investigation of algal cell cultures in polluted media, *Contrib. Bot.* 36: 101-108.
http://Contrib.%20Bot.%20before%202002/Fodorpatakie%20et%20al_2001.pdf
ISSN 0069-9616, BDI: Biosis, Cabi, Ebsco, Index Copernicus, Scopus, Viniti etc.
31. Fodorpataki L., Papp J. (2000): Studies concerning the physiology of microalgal communities isolated from natural habitats, *Contrib. Bot.* 35: 121-130.
http://Contrib.%20Bot.%20before%202002/Fodorpataki&Pop_2000.pdf
ISSN 0069-9616, BDI: Biosis, Cabi, Ebsco, Index Copernicus, Scopus, Viniti etc.

32. Halmágyi A., Fodorpataki L., Frink J. (2000): Contributions to the *in vitro* micropropagation of carnation, *Contrib. Bot.* 35: 139-144.
http://Contrib.%20Bot.%20before%202002/Halmagvi%20et%20al_2000.pdf
 ISSN 0069-9616, BDI: Biosis, Cabi, Ebsco, Index Copernicus, Scopus, Viniti etc.
33. Deliu, C., Fodorpataki L., Papp J. (1998): Net photosynthetic oxygen production of an aquatic macrophyte in ponds polluted with lead and nickel, *Contrib. Bot.*, 2:173-178.
http://Contrib.%20Bot.%20before%202002/Deliu%20et%20al_1998_1.pdf
 ISSN 0069-9616, BDI: Biosis, Cabi, Ebsco, Index Copernicus, Scopus, Viniti etc.
34. Deliu, C., Fodorpataki L., Mănișor, M. (1998): Structural aspects of anthogenesis and carpogenesis in *Rudbeckia hirta* L., *Contrib. Bot.*, 2: 97-102.
http://Contrib.%20Bot.%20before%202002/Deliu%20et%20al_1998.pdf
 ISSN 0069-9616, BDI: Biosis, Cabi, Ebsco, Index Copernicus, Scopus, Viniti etc.
35. Fodorpataki L., Deliu, C., György É. (1998): Histo-anatomical organization of the leaf blade of different gymnosperm species, *Contrib. Bot.*, 2: 104-112.
http://Contrib.%20Bot.%20before%202002/Fodorpataki%20et%20al_1998.pdf
 ISSN 0069-9616, BDI: Biosis, Cabi, Ebsco, Index Copernicus, Scopus, Viniti etc.
36. Fodorpataki L., Trifu M., Papp J. (1998): Photosynthetic recovery of chemically stressed algal cells after photoinhibition. In: Garab G. (ed.): *Photosynthesis: Mechanism and Effects*, 4: 2685-2688, Springer Publ., Dordrecht.
<https://link.springer.com/book/10.1007/978-94-011-3953-3>
 ISBN: 978-0-7923-5547-2, BDI: Scopus etc.
37. Fodorpataki L., Droppa M., Horváth G., Tuba Z. (1995): Recovery of photosynthetic activity of the desiccation tolerant plant *Xerophyta scabrida*, *Acta Phytopath. Entom. Hung.* 30 (1-2): 131-132.
https://adt.arcanum.com/hu/view/MTA_ActaPhytopathologica_30/?pg=132&layout=s
 ISSN 0238-1249, BDI: Ugc Care, Scopus
38. Droppa M., Horváth G., Fodorpataki L., Istokovics A., Garab Gy., Oettmeier, W. (1995): Acridones: a chemically new group of protonophores, *Acta Phytopath. Entom. Hung.* 30 (1-2): 125-126. https://adt.arcanum.com/hu/view/MTA_ActaPhytopathologica_30/?pg=126&layout=s
 ISSN 0238-1249, BDI: Ugc Care, Scopus
39. Fodorpataki L., Trifu, M. (1995): Influence of heavy metals on photosynthetic parameters under different light conditions in cultures of *Scenedesmus acutus* M. In: Mathis, P. (ed.): *Photosynthesis: from Light to Biosphere*, Vol. IV, 529-532, Springer Publ., Dordrecht. <https://link.springer.com/book/9789401065627>
 ISBN 978-0-7923-3862-8, BDI: Scopus etc.
40. Fodorpataki L. (1994): Recovery of photosynthetic activity in rehydrated leaves of a resurrection plant, *Revue Roum. Biol., Biol. végét.* (ulterior *Rom. J. Biol. - Plant Biol.*) 39(2): 119-128.
https://www.ibiol.ro/plant/Volume%2039/Rev.Roum.Biol.Biol.Veget._1994_v.39_n_o.2.pdf
 ISSN 1843-3782, BDI: e-journals, Index Copernicus
41. Nagy-Tóth F., Barna, A., Fodorpataki L. (1993): Metabolismul sulfului în condiții normale și de stres, *Studia Univ. Babeș-Bolyai, Biologia*, 38 (1-2): 103-109.
<https://studiabiologia.reviste.ubbcluj.ro/>
 ISSN 1221-8103, BDI: AgBiotechNet, Biological Abstracts, Cabi, Scopus etc.
42. Fodorpataki L., Trifu, M. (1993): Inhibition of light reactions of photosynthesis by some chemical agents in isolated chloroplasts, *Studia Univ. Babeș-Bolyai, Biologia*, 38 (1-2): 93-102.
<https://studiabiologia.reviste.ubbcluj.ro/>

- ISSN 1221-8103, BDI: AgBiotechNet, Biological Abstracts, Cabi, Scopus etc.
43. Fodorpataki L., Trifu, M. (1993): Proprietăți metabolice ale unei microalge verzi în cultură cu diferite surse de carbon, *Contrib. Bot.* 1993-1994: 129-137.
http://Contrib.%20Bot.%20before%202002/Fodorpataki&Trifu_1993.pdf
 ISSN 0069-9616, BDI: Biosis, Cabi, Ebsco, Index Copernicus, Scopus, Viniti etc.
44. Nagy-Tóth F., Péterfi L., Fodorpataki L. (1992): Effects of carbon sources on the morphology and structure of *Scenedesmus acutus* Meyen, *Acta Bot. Hung.* 37 (1-4): 295-316.
https://adt.arcanum.com/hu/view/MTA_ActaBotanica_37/?pg=296&layout=s
 ISSN 1588-2578 (online), 0236-6495 (print), BDI: Ugc Care, Scopus
45. Fodorpataki L., Nagy-Tóth F., Péterfi L. (1991): Szervetlen szénforrásformák hatása a *Scenedesmus acutus* Meyen (Chlorococcales) Mono törzsének növekedésére és sejtszerkezetére, *Bot. Közl.* 78: 87-103.
https://www.matarka.hu/cikk_list.php?fusz=8799
 ISSN 0006-8144, BDI: Ebsco, Scopus
46. Nagy-Tóth F., Fodorpataki L., Crăciun, C. (1989): Proprietăți morfo-structurale și fiziologice ale unei noi forme de algă verde, *Contrib. Bot.* 1989: 77-85.
http://Contrib.%20Bot.%20before%202002/Nagy-Toth%20et%20al_1989.pdf
 ISSN 0069-9616, BDI: Biosis, Cabi, Ebsco, Index Copernicus, Scopus, Viniti etc.

Lucrări științifice publicate în alte reviste:

- Bartha Cs., Fazakas I., Fodorpataki L. (2011): Developmental and metabolic changes in different lettuce cultivars under high salinity conditions, *Acta Sci. Trans.*, 19(1): 40-56.
- 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
- Fodorpataki L., Keresztes Zs. Gy., Barna Sz. (2010): Algal toxins, cyanotoxins and their biological effects (review article). *Acta Sci. Trans.*, 18(1): 5-21.
- Ágyi Á., Fodorpataki L., Vanyovszki J., Somogyi B., Vörös L. (2009): Photosynthesis of phytoplankton studied with three different incubation methods, *Acta Sci. Trans.*, 17(1): 21-34.
- Fodorpataki L. (2008): Plant responses to oxidative stress (review article), *Acta Sci. Trans.*, 16(3): 5-38.
- Cordoș, E., Rauțiu, R., Roman, C., Ponta, M., Frențiu, T., Sárkány-Kiss A., Fodorpataki L., Macalik K., McCormick, C., Weiss, D. (2003): Characterization of the rivers system in the mining and industrial area of Baia Mare, Romania, *The European Journal of Mineral Processing and Environmental Protection*, 3(3): 324-335.
- Kiss O. Zs., Fodorpataki L. (2003): Különböző fejlődési paraméterek vizsgálata a kerti szegfű 'Newton' változatának szövettenyésztésében (Study of developmental parameters in tissue cultures of the 'Newton' carnation variety), *Múzeumi Füzetek* 12: 71-76.
- Csorba T.L., Fodorpataki L., Márton A.L. (2002): Környezetszennyező anyagok által kiváltott válaszreakciók zöldalga sejttenyészetekben (Stress reactions induced by environmental pollutants in green algal cell cultures), *Múzeumi Füzetek* 11: 55-60.
- Fodorpataki L., Papp J. (2002): Usefulness of eukaryotic and prokaryotic microorganisms in the investigation of water quality in the Mureș River, *Tiscia* 6: 29-38.
- Kiss Zs. O., Balogh A., Fodorpataki L. (2001): Investigation of the *in vitro* regeneration of mericlones in the 'Caribe' variety of carnation, *Internat. J. Hortic. Sci.* 7(3-4): 87-

11. **Fodorpataki L., Trifu, M. (1999):** The C3-C4 intermediate plants and their place in the evolution of the photosynthetic carbon assimilation pathways, *Evol. Adapt.* 6: 261-268.
12. **Fodorpataki L. (1998):** Egy kevésbé ismert növénycsoport: a C3-C4 intermedierek (A hardly known group of plants: the C3-C4 intermediates), *Múzeumi Füzetek* 7: 95-102.
13. **Puskás Á., Mészáros I., Fodorpataki L. (1997):** Nehézfémek hatása a *Scenedesmus intermedius* Chod. zöldalga életfolyamataira (The effect of heavy metals on physiological processes of the green alga *Scenedesmus intermedius* Chod.), *Múzeumi füzetek* 6: 141-149.
14. **Fodorpataki L. (1995):** A fotoszintézis fény általi gátlása (Photoinhibition of photosynthesis), *Múzeumi füzetek* 4: 76-89.
15. **Fodorpataki L., Trifu, M. (1995):** Evolutionary aspects of photosynthetic structures, *Evol. Adapt.* 5: 67-79, Cluj-Napoca
16. **Fodorpataki L., Trifu, M. (1995):** Acomodarea fotosintetică a unei alge roșii la diferite condiții de iluminare, *Stud. Cercet. Biol., Seria Biol. Veget.* 47(2): 147-154.
17. **Fodorpataki L. (1994):** A fénylégzés (The photorespiration - review article), *Múzeumi füzetek* 3: 94-105.
18. **Fodorpataki L. (1994):** A fotolégzés. Saját energiájukat pazarló növények (Photorespiration and energy waste in plants), *Természettud. Közlöny* 125(3): 135-137.

Articole de popularizare a științei:

1. **Kis E., Fodorpataki L. (2015):** Az erdélyi magyar biológia és ökológia szakterületek 2002-2013 közötti tudományos eredményeinek szintézise. In: Péntek J., Salat L., Szikszai M. (red.): *Magyar Tudományosság Romániában 2002-2013 között*, vol. III, pp. 225-242, Ed. Abel, Cluj-Napoca
2. **Fodorpataki L. (2015):** Nagy-Tóth Ferenc 85 éves, *Acta Sci. Trans.*, 23-24(1): 5-7.
3. **Fodorpataki L., Szigyártó L. (2006):** 100 éve született Péterfi István, a kolozsvári egyetem növényélettan tanára és az algakutatás jeles szakembere, *Acta Sci. Trans.* 14(1): 15-26.
4. **Fodorpataki L., Bartha Cs. (2003):** Káros oxigénformák által előidézett stresszhatások és ezek leküzdése élő rendszerekben, *Firka* 12: 3-5.
5. **Nagy-Tóth F., Fodorpataki L. (1999):** A növénytanoktatás- és kutatás történetéről. In: Cseke P., Hauer M. (red.): *125 éves a kolozsvári egyetem*, Komp-Press, Cluj, 121-137.
6. **Nagy-Tóth F., Fodorpataki L. (1998):** A növénytan oktatás és kutatás történetéről a kolozsvári tudományegyetemen, *Bot. Közlem.* 85(1-2): 109-123.
7. **Fodorpataki L. (1995):** A fotoszintézis – a földi életet fenntartó folyamat, *Gyopár* 6: 24-26.
8. **Fodorpataki L. (1994):** Savas esők hatása a növényzetre, *Gyopár* 2: 9-10.

Lucrări științifice publicate în volumele unor manifestări 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.
2. **Fodorpataki L., Nagy K., Bartha L., Bartha Cs. (2008):** Comparison of halotolerance of lettuce varieties adapted to low and high temperature, based on ecophysiological characteristics. In: Orosz Z., Szabó V., Molnár G., Fazekas I. (red.):

Környezetbiológia – Természetvédelem, Debrecen, pp. 185-191.

3. Nagy I., Fodorpataki L., Weiszburg T., Bartha A. (2008): Preliminary results on environmental impact of mining activity on the Turț Creek, Satu Mare county, Romania. In: Sike T., Márk Nagy J. (eds.): The flora and fauna of the Tur River Natural Reserve, University of Oradea Publishing House, Oradea, ISBN 978-973-759-528-7, pp. 17-26.
4. Fodorpataki L., Vass I., Bartha L. (2006): Usefulness of chlorophyll fluorescence in the investigation of environmental stress responses in plants. In: Mócsy I., Néda T. (red.): Környezettudomány, Ed. Scientia, Cluj-Napoca, ISBN 978-973-7953-69-8, pp. 195-206.
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 zöldalgák *in vitro* sejttenyészetekben. 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., Sirbu I. (red.): Contribuții la cunoașterea ecologiei râurilor și zonelor umede din bazinul Tisei, Ed. Liga Pro Europa, Târgu Mureș, pp. 23-32.
8. Nagy-Tóth F., Fodorpataki L. (2002): Az erdélyi magyar biológusok tudományos munkássága a XX. század végén. In: Tánzos V., Tökés Gy. (red.): Tizenkét év, Ed. Scientia, Cluj-Napoca, II: 71-110.
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 Füzetei, 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:

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.

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Conf. dr. Fodorpataki Laszlo