

**2020**  
**Szakkikkek: 30**  
**Pályázatok: 4**  
**Összes IF: 67,401**

**I. Pályázatok**

1. Dénes Avar-Lehel: Dunărea înfloreste din nou: importanța refugiului pontic în revenirea celei mai periclitată efemeroptere în râurile Europene mari-abordare genetică a populațiilor *Palingenia longicauda* Olivier. PN-III-P1-1.1-PD-2019-0829, 2020-2022.
2. Fenesi Annamária: Identificarea timpurie a speciilor invazive prin dezvoltarea unui sistem național de evaluare a riscului bazat pe caracteristicile funcționale ale plantelor. PN-III-P1-1.1-TE-2019-0414, 2020-2022.
3. Keresztes Lujza: Testarea metodelor genetice pentru îmbunătățirea practicii naționale de evaluare a calității apelor curgătoare: un experiment demonstrativ asupra nevertebratelor acvatice din sistemul Someșului Cald. PN-III-P2-2.1-PED2019-0214, 2020-2022.
4. Timuș Natalia: Evoluție în acțiune: deslușirea mecanismelor complexe care separă două ecotipuri sintopice a unei specii mirmecofile de lepidoptere protejate. PN-III-P1-1.1-PD-2019-1003, 2020-2022.

**II. Szakkikkek**

1. Balázsi Á., Dänhardt J., Collins S., Schweiger O., Settele J., Hartel T. (2020): Understanding cultural ecosystem services related to farmlands: Expert survey in Europe. *Land Use Policy* 100: 104900. IF 3.682
2. Csata E., Gautrais J., Bach A., Blanchet J., Ferrante J., Fournier F., Lévesque T., Simpson S.J., & Dussutour A. (2020): Ant foragers compensate for the nutritional deficiencies in the colony. *Current Biology* 30(1): 135–142. IF 9.601
3. Dembroszky X., May Z., Hartel T., Zsigmond A.R. (2020): Elemental profile of non-commercial wines in changing traditional regions from Eastern Europe. *Environmental Engineering and Management Journal* 19: 625–632.
4. Eiroa E., Keresztes L., Martín L., González M., Martínez J. (2020): Contribución al conocimiento de los Tipuloidea (Diptera) de Teruel (Aragón, este de la península Ibérica). *Boletín de la Sociedad Entomológica Aragonesa (S.E.A.)* 67: 246–250.
5. Erős K., Maák I., Markó B., Babik H., Ślipiński P., Nicoară R., Czechowski W. (2020): Competitive pressure by territorials promotes utilization of unusual food source by subordinate ants in temperate European woodlands. *Ethology, Ecology & Evolution* 32(5): 457–465. <https://doi.org/10.1080/03949370.2020.1753116>. IF 1.022
6. Erős N., Maloș C., Horváth Cs., Hartel T. (2020): Temporary pond loss as a result of pasture abandonment: exploring the social-ecological drivers and consequences on amphibians. *Journal for Nature Conservation* 55: 125836. IF 2.482
7. Fenesi A., Kelemen K., Sándor D., Ruprecht E. (2020): Influential neighbours: seeds of dominant species affect the germination of common grassland species. *Journal of Vegetation Science* 31:1028–1038. IF 2.698
8. Fiera C., Ulrich W., Popescu D., Bunea C-I., Manu M., Nae I., Stan M., Markó B., Urák I., Giurginca A., Penke N., Winter S., Kratschmer S., Buchholz J., Querner P., Zaller J. (2020): Effects of vineyard inter-row management on the diversity and abundance of plants and surface-dwelling invertebrates in Central Romania. *Journal of Insect Conservation* 24: 175–185, <https://doi.org/10.1007/s10841-019-00215-0>. IF 1.553.
9. Fodor A., Abate B.A., Deák P., Fodor L., Gyenge E., Klein M.G., Koncz Z., Muvevi J., Ötvös L., Székely G., Vozik D., Makrai L. (2020): Multidrug Resistance (MDR) and Collateral Sensitivity in Bacteria, with Special Attention to Genetic and Evolutionary Aspects and to the Perspectives of Antimicrobial Peptides – A Review. *Pathogens* 9(7): 522. <https://doi.org/10.3390/pathogens9070522>. IF 3.018
10. Fodorpataki L., Molnar K., Tompa B., Bartha Cs. (2020): Exogenous S-methylmethionine alleviates salinity stress by modulation of physiological processes in canola (*Brassica napus*). *International Journal of Agriculture and Biology* 25: 11-19, DOI: 10.17957/IJAB/15.1632. IF 0.822

11. Hartel T., Nita A., Rozyłowicz L. (2020): Understanding human-nature connections through value networks: the case of ancient wood-pastures from Central Romania. *Sustainability Science* 15: 1357–1367. IF 5.301
12. Hartel T., Scheele B., Rozyłowicz L., Horcea-Milcu A., Cogălniceanu D. (2020): The social context for conservation: Amphibians in human modified landscapes. *Journal for Nature Conservation* 53: 125762. IF 2.482
13. Keresztes K.K., Csata E., Lunka T.A., Markó B. (2020): Friend or foe? Differential aggression towards neighbours and strangers in the ant *Liometopum microcephalum* (Hymenoptera: Formicidae). *Entomological Science* 23(4): 351–358, <https://doi.org/10.1111/ens.12433>. IF 1.074
14. Kis E. (2020): A comparative study of adrenalin and fluocinolon induced oxidative stress in male Wistar rats. *Studia Universitatis Babeş-Bolyai – Biologia* 65(2): 5–18. doi:10.24193/subbbiol.2020.2.01
15. Kovács O., Jakab E. (2020): *Pseudomonas aeruginosa* at the dawn of a post-antibiotic era: clinical significance, resistance mechanisms, novel antibiotics and alternative treatments. *Studia Universitatis Babeş-Bolyai, ser. Biologia* 65(2): 31–67.
16. Kuhn T., Jancsó B., Ruprecht E. (2020): Hawthorn (*Crataegus* L.) taxa and their hybrids in north-western Romania: a recommendation for national identification keys based on morphometric analyses. *Contribuții Botanice* 55: 7–26.
17. Maák I., Czekes Zs., Erős K., Pálfi Zs., Markó B. (2020): Living on the edge: changes in the foraging strategy of a territorial ant species occurring with a rival supercolony – a case study. *Journal of Insect Behavior* 33: 56–68. IF 0.991
18. Manolache C., Nita A., Hartel T., Miu I., Ciocanea C., Rozyłowicz L. (2020): Governance networks around grasslands with contrasting management history. *Journal of Environmental Management* 273: 111152. IF 5.647
19. Nagy A. A., Imecs I. (2020): Survey on the fish fauna along the Tur river protected areas on the Romanian side. *Satu Mare – Studii și Comunicări Științele Naturii XV*: 111–130.
20. Nagy H. B., László Z. (2020): Survey of protected and/or Natura 2000 land invertebrate species along the Túr at the Romanian project site. *Satu Mare – Studii și Comunicări Științele Naturii XV*: 85–88.
21. Nagy H. B., László Z., Szabó D. Z., Erős R. (2020) Survey of protected and/or Natura 2000 aquatic invertebrate species along the Tur river. *Satu Mare – Studii și Comunicări Științele Naturii XV*: 89–96.
22. Osváth G., Vincze O., David D.C., Nagy L.J., Lendvai Z.Á., Nudds R.L., Pap P.L. (2020): Morphological characterization of flight feather shafts in four bird species with different flight styles. *Biological Journal of the Linnean Society* 131: 192–202. IF 1.961
23. Pap P.L., Osváth G., Daubner T., Nord A., Vincze O. (2020): Down feather morphology reflects adaptation to habitat and thermal conditions across the avian phylogeny. *Evolution* 74: 2365–2376. IF 3.698
24. Petrescu D., Hartel T., Petrescu Mag R. (2020): Global land grab: Toward a country typology for future land negotiations. *Land Use Policy* 99: 104960. IF 3.682
25. Pujade-Villar J., Wang Y., Zhang W., Mata-Casanova N., Lobato-Vila I., Dénes A.-L., László Z. (2020) A new *Diplolepis Geoffroy* (Hymenoptera, Cynipidae, Diplolepidini) species from China: a rare example of a rose gall-inducer of economic significance. *ZooKeys* 904: 131–146. doi: 10.3897/zookeys.904.46547. IF 1.137
26. Rolo V., Hartel T., Aviron S. et al. (2020) Challenges and innovations for improving the resilience of European agroforestry systems of high nature and cultural value: a stakeholder perspective. *Sustainability Science* 15: 1301–1315. IF 5.301
27. Salvatori V., Balian E., Carlos-Blanco J., Ciucci P., Demeter L., Hartel T., Mardsen K., Redpath S.M., von Korff Y., Young J.C. (2020): Applying participatory processes to address conflicts over the conservation of large carnivores: understanding conditions for successful management. *Frontiers in Ecology and Evolution*: <https://doi.org/10.3389/fevo.2020.00182>. IF 2.416
28. Szabó Cs., Macalik K. (2020): Publications, target groups, methods and applications in the communication of biodiversity. *Journal of Applied Technical and Educational Sciences* 10(2): 61–91. <https://doi.org/10.24368/jates.v10i2.171>.
29. Szigeti V., Fenesi A., Soltész Z., Berki B., Kovács-Hostyánszki A. (2020): Neutral effect of an invasive plant species with specialized flower structure on native pollinator communities. *Biological Invasions* 22:3017–3030. IF 3.807
30. Takács P., Ferincz A., Imecs I., Kovács B., Nagy A. A., Ihász K., Vitál Z., Csoma E. (2020): A fenékjáró küllő (*Gobio* sp.) néhány romániai állományának filogenetikai vizsgálata (Phylogenetic features of some Romanian gudgeon (*Gobio* sp.) stocks). *Pisces Hungarici* 14: 5–13.
31. Vágási C.I., Tóth Z., Péntes J., Pap P.L., Ouyang J.Q., Lendvai Á.Z. (2020): The relationship between hormones, glucose and oxidative damage is condition- and stress-dependent in a free-living passerine bird. *Physiological and Biochemical Zoology* 93: 466–476. IF 2.25

32. Zhang Y.M., Buffington M.L., Looney C., László Z., Shorthouse J.D., Ide T., Lucky A. (2020): UCE data reveal multiple origins of rose gallers in North America: Global phylogeny of *Diplolepis* Geoffroy (Hymenoptera: Cynipidae). *Molecular Phylogenetics and Evolution* 153: 106949. doi: 10.1016/j.ympev.2020.106949. IF 3.496