

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

NUMELE ȘI PRENUMELE:

I. LISTA PUBLICAȚIILOR RELEVANTE

- Benedek K.**, Urák I., Fazakas Cs. (2023): *Ökológia és környezetvédelem gyakorlati jegyzet (Lucrări practice de ecologie și protecția mediului)*, Editura Scientia, Cluj Napoca, ISBN: 978-606-975-084-1, p: 127
- Buchkowski, R. **Benedek, K.**, Bálint, J., Molnar, A. Felföldi, T. Fazakas, Cs., Schmitz, O.J., Balog, A. (2023): Plant chemical variation mediates soil bacterial community composition, *Scientific Reports*, 13(1): DOI 10.1038/s41598-023-32935-4 IF=3,8
- Benedek K.**, Bálint J., Máthé I., Mara Gy., Felföldi T., Szabó A., Fazakas Cs., Albert Cs., Buchkowski R. W., Schmitz O.J., Balog A. (2019): Linking intraspecific variation in plant chemical defense with arthropod and soil bacterial community structure and N allocation, *Plant and Soil* 444 (1-2), 383-397 IF=3.299
- Benedek K.**, Mara Gy., Mehrpavar M., Bálint J., Loxdale H. D., Balog A. (2019): Near-regular distribution of adult crimson tansy aphids, *Uroleucon tanacetii* (L.), increases aposematic signal honesty on different tansy plant chemotypes, *Biological Journal of the Linnean Society* 126 (2), 315-326. IF=2.203
- Benedek K. (2018):** Aspects in Romanian nature conservation – a review, *Environmental Engineering and Management Journal* 17(1) IF: 1.117
- Balog A., Loxdale H. D., Bálint J., **Benedek K.**, Szabó K.A., Jánosi-Rancz T., Domokos E. (2017): The arbuscular mycorrhizal fungus *Rhizophagus irregularis* affects arthropod colonization on sweet pepper in both the field and greenhouse, *Journal of Pest Science* 90(3), IF: 3.103
- Bálint J., Zytynska S. Z., Salamon R. V., Mehrparvar M., Weisser W. W., Schmitz O. J., **Benedek K.**, Balog A. (2015): Intraspecific differences in plant chemotype determine the structure of arthropod food webs, 180 (3): 797 – 807, IF 3.092
- Benedek, K.**, Bálint, J., Salamon, V. R., Kovács, E., Ábrahám, B., Fazakas, Cs., Loxdale, H. D., Balog, A. (2015): Chemotype of tansy plant (*Tanacetum vulgare* L.) determines aphid genotype and its associated predator system. *Biological Journal of the Linnean Society*, 114: 709-719 (IF. 2.264).

Benedek K., Kóbori O. T. (2014): ‘Nasty neighbour’ effect in *Formica pratensis* Retz. (Hymenoptera: Formicidae), North-Western Journal of Zoology 10(2): 245-250, IF: 0.76

Martin S. J., Helantera H, **Kiss K.**, Lee Y. R., Drijfhout F. P. (2009): Polygyny reduces rather than increases nestmate discrimination cue diversity in *Formica exsecta* ants, Insectes Sociaux, 56(4): 375-383, IF= 1.48, ID= 28,

II. LISTA COMPLETĂ DE PUBLICAȚII, CREAȚII, INVENȚII

A. Teza de doctorat.

Territoriális *Formica* fajok fészekomplexumainak szerveződése és közösségszervező hatása/ Nest complex organisation in territorial *Formica* species/ Organizarea complexelor de colonii ale speciilor teritoriale de *Formica* și rolul lor în structura comunităților, conducător științific Prof. Dr. Habil. Gallé László., University of Szeged, Faculty of Science and Informatics, Department of Ecology, Doctoral School of Environmental Sciences, summa cum laude

B. Cărți publicate

B1. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate la edituri recunoscute în străinătate.

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

Benedek K., Urák I., Fazakas Cs. (2023): Ökológia és környezetvédelem gyakorlati jegyzet (*Lucrări practice de ecologie și protecția mediului*), Editura Scientia, Cluj Napoca, ISBN: 978-606-975-084-1, p: 127

Balog A., Bálint J., **Kiss K.**: Kertészeti Rovartan (*Entomologie Horticolă*). University Press, Tîrgu Mureș, 2008. ISBN 978-973-169-010-0, p: 180.

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

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

B5. Capitole de cărți publicate în străinătate

Gallé L., Markó B., **Kiss K.**, Kovács É., Dürögő H., Kőváry K., Csősz Cs. (2005): Ant Fauna of Tisza River Basin (Hymenoptera: Formicidae), in Gallé L. (szerk.): Vegetation and Fauna of Tisza River Basin I. Tiscia Monograph Series, 7, pp. 150 – 197,

<http://expbio.bio.u-szeged.hu/ecology/tiscia/monograph/TISCIA-monograph7.pdf#page=159>

Csősz S., Markó B., **Kiss K.**, Tartally A., Gallé L. (2002): The Ant Fauna of Fertő-Hanság National Park (Hymenoptera: Formicoidea), in Mahunka S. (szerk): The fauna of the Fertő-Hanság National Park, Hungarian Natural History Museum pp. 617-629, Budapest,

B6. Capitole de cărți publicate în țară

Kiss K., Kóbori O. (2011): Gyenge intraspecifikus agresszivitás *Formica exsecta* Nyl. (Hymenoptera: Formicidae) szuperkolóniák között, in Markó B., Sárkány Kiss A. (eds.): Gyergyói – medence: Egy mozaikos táj természeti értékei, Cluj Napoca: Cluj University Press, pp. 9 – 23.

Markó B., **Kiss K.** (2003): Searching for food in the *Myrmica rubra* (L.) (Hymenoptera: Formicidae) - how to optimize? in Tomescu N., Popa V. (eds.): Volum Omagial Vasile Radu, Cluj University Press, pp. 157 - 167, Cluj Napoca.

C. Lucrări științifice publicate

C1. Lucrări științifice publicate în reviste cotate ISI

Bálint J., **Benedek K.**, Csorba A. B. (2024): Assessing the Effect of Plant Growth Stimulants and Retardants on Cyclamen “Halios F1 Salmon Rose” Cultivar, *Horticulturae*, 10(1); <https://doi.org/10.3390/horticulturae10010053> IF= 3,1

Buchkowski, R. **Benedek K.**, Bálint, J., Molnar, A. Felföldi, T. Fazakas, Cs., Schmitz, O.J., Balog, A. (2023): Plant chemical variation mediates soil bacterial community composition, *Scientific Reports*, 13(1) <https://doi.org/10.1038/s41598-023-32935-4> IF=3,8

Iakab M., Domokos E., **Benedek K.**, Molnár K., Kentelky E., Buta E., Dulf FV. (2022): The Importance of Mycorrhizal Fungi in the Development and Secondary Metabolite Production of *Echinacea purpurea* and Relatives (Asteraceae): Current Research Status and Perspectives, *Horticulturae* **2022**, 8(12), 1106; <https://doi.org/10.3390/horticulturae8121106> IF=3,1

Putnoky-Csicsó, Barna, Toth, F. Balint, J., Kentelky, E. **Benedek K.**, Forró, Ci. G., Nyaradi, I-I, Balog, A.: Entomopathogenic fungus *Metarhizium anisopliae* (strain NCAIM 362) effects on soil inhabiting *Melolontha melolontha* (Coleoptera) and *Duponchelia*

fovealis (Lepidoptera) larvae in sweet potato (*Ipomoea batatas* L.). Plant Protection Science **2022** 58(3): 264-268 IF=1,7

Kentelky E., Lukács Z., Lunka TA., **Benedek K.**, Domokos E. Putnoky-Csicsó B. Szekely-Varga Zs. (2022): Mycorrhization of *Corylus avellana* L. and *Quercus robur* L. seedlings with *Tuber aestivum* VITTAD., Scientific Papers. Series B, Horticulture. Vol. LXVI, 1

Benedek K., Bálint J., Máthé I., Mara Gy., Felföldi T., Szabó A., Fazakas Cs., Albert Cs., Buchkowski R. W., Schmitz O.J., Balog A. (2019): Linking intraspecific variation in plant chemical defense with arthropod and soil bacterial community structure and N allocation, Plant and Soil 444 (1-2), 383-397 IF=3.299

Benedek K., Mara Gy., Mehrpavar M., Bálint J., Loxdale H. D., Balog A. (2019): Near-regular distribution of adult crimson tansy aphids, *Uroleucon tanacetii* (L.), increases aposematic signal honesty on different tansy plant chemotypes, Biological Journal of the Linnean Society 126 (2), 315-326. IF=2.203

<https://academic.oup.com/biolinnean/article-abstract/126/2/315/5239990>

Benedek K. (2018): Aspects in Romanian nature conservation – a review, Environmental Engineering and Management Journal 17(1) IF: 1.117

Bálint J., **Benedek K.**, Loxdale H. D., Kovács E., Ábrahám B., Balog A. (2018): How host plants and predators influence pea aphid (*Acyrtosiphon pisum* Harris) populations in a complex habitat. North-Western Journal of Zoology. 14(2). IF=**0.843**

Balog A., Loxdale H. D., Bálint J., **Benedek K.**, Szabó K.A., Jánosi-Rancz T., Domokos E. (2017): The arbuscular mycorrhizal fungus *Rhizophagus irregularis* affects arthropod colonization on sweet pepper in both the field and greenhouse, Journal of Pest Science 90(3), IF: 3.103

Bálint J., Zytynska S. Z., Salamon R. V., Mehrparvar M., Weisser W. W., Schmitz O. J., **Benedek K.**, Balog A. (2015): Intraspecific differences in plant chemotype determine the structure of arthropod food webs, 180 (3): 797 – 807, IF 3.092

<http://link.springer.com/article/10.1007/s00442-015-3508-y>

Benedek, K., Bálint, J., Salamon, V. R., Kovács, E., Ábrahám, B., Fazakas, Cs., Loxdale, H. D., Balog, A. (2015): Chemotype of tansy plant (*Tanacetum vulgare* L.) determines aphid genotype and its associated predator system. Biological Journal of the Linnean Society, 114: 709-719 (IF. 2.264).

<http://onlinelibrary.wiley.com/doi/10.1111/bij.12445/abstract>

Benedek K., Kóbori O. T. (2014): 'Nasty neighbour' effect in *Formica pratensis* Retz.

(Hymenoptera: Formicidae), North-Western Journal of Zoology 10(2): 245-250, IF:

0.76 http://biozoojournals.ro/nwjz/content/v10n2/nwjz_141101_Benedek.pdf

Martin S. J., Helantera H, **Kiss K.**, Lee Y. R., Drijfhout F. P. (2009): Polygyny reduces rather than increases nestmate discrimination cue diversity in *Formica exsecta* ants, Insectes Sociaux, 56(4): 375-383, IF= 1.48, www.springerlink.com/index/10.1007/s00040-009-0035-z.

Markó B., **Kiss K.**, Gallé L. (2004): Mosaic Structure of Ant Communities (Hymenoptera: Formicidae) in Eastern Carpathian Marshes: Regional versus Local Scales, Acta Zoologica Academiae Scientiarum Hungariae 50 (2), pp. 77 – 95, IF= 0.155, http://actazool.nhmus.hu/50/2/ac50_2.html.

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

Bálint, J., Turóczi, B., Máthé, I., **Benedek, K.**, Szabó, K. A., Balog, A. (2014): In Vitro and In Vivo Effect of Poplar Bud (*Populi gemma*) Extracts on Late Blight (*Phytophthora infestans*). Acta Universitatis Sapientiae Agriculture and Environment, 6: 1-8. <http://www.degruyter.com/view/j/ausae.2014.6.issue-1/ausae-2014-0007/ausae-2014-0007.xml>

Kőszegi, Sz., Bereczki, Cs., Balog, A., **Benedek, K.** (2014): Comparing the Effects of Benzyladenine and meta-Topolin on Sweet Basil (*Ocimum basilicum*) Micropropagation. Notulae Scientia Biologica. 6(4): 422-427. <http://notulaebiologicae.ro/index.php/nsb/article/view/9464>

Czekes Zs., Radchenko A. G., Csősz S., Szász-Len A., Tăușan I., **Benedek K.**, Markó B. (2012): The genus *Myrmica* Latreille, 1804 (Hymenoptera: Formicidae) in Romania: distribution of species and key for their identification. Entomologica Romanica 17: 29-50. http://er.lepidoptera.ro/17_2012/ER17201204_Czekes_etal.pdf,

Kiss K., Kóbori O. (2011): Low intraspecific aggression at polydomous colonies of *Formica exsecta* (Hymenoptera: Formicidae), Entomologica Romanica, 16: 27-32. http://er.lepidoptera.ro/16_2011/ER16201104_Kiss_Kobori.pdf,

Kiss K., Fetyko K.: Notes about the ant fauna (Hymenoptera: Formicidae) of the Tur Valley Bihorean Biologist 2008; 2(1): 71-76 <http://biozoojournals.ro/bihbiol/cont/v2s1/08.Kiss.Fetyko.pdf>,

Markó B., Sipos B., Csősz S., **Kiss K.**, Boros I., Gallé L. (2006): A comprehensive list of the ants of Romania (Hymenoptera: Formicidae). – Myrmecological News 9: 65-76.

http://myrmecologicalnews.org/cms/index.php?option=com_content&view=category&id=89:myrmecologische-nachrichten-9-65-76

C3. Lucrări științifice publicate în reviste din străinătate (altele decât cele menționate anterior).

C4. Lucrări științifice publicate în reviste din țară, recunoscute CNCSIS/CNCS (altele decât cele din baze de date internaționale).

C5. Lucrări științifice publicate în reviste, altele decât cele menționate anterior

Kiss K., Kóbori O. (2010): *Formica pratensis* supercolony in the Hoia Forest (Cluj Napoca, Romania), *Acta Scientiarum Transylvanica – Biologia* 18: 66-76.

Boros I., Kiss K., Máthé I., Urák I. (2005): Adatok Verespatak hangya- (Hymenoptera: Formicidae), futóbogár- (Coleoptera: Carabidae) pókfaunájához (Arachnida: Araneae), *Collegium Biologicum* 5: 15-24.

Kiss K., Mátiş A. (2003): Párhuzamos szukcessziós folyamatok – növényzet és hangyaközösségek – a kőbányák meddőhányóin, *Collegium Biologicum* 4.: 23-39.

Kiss K., Markó B. (2003): Az intra és interspecifikus kapcsolatok plaszticitása a *Myrmica rubra* (L. 1758) és a *Myrmica ruginodis* NYL. 1846 hangyafajoknál (Hymenoptera: Formicidae), *Múzeumi Füzetek* 12: 131-147.

C6. Lucrări științifice publicate în volumele manifestărilor științifice

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

E. Editare, coordonare de volume

F. Brevete de invenții și alte titluri de proprietate

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

2021/01–2023/12 “The Builder Method: action-oriented educational approaches in architecture and landscape architecture / Az Építés Módszertana: gyakorlat orientált oktatási megközelítésmód az építészetben és tájépítészetben / Metodologia Construirii: moduri de abordare centrate pe practică în arhitectură și peisagistică”), coordinator proiect dr. Ványolós Endre, finanțator: Erasmus +

2018 – 2019 „Influența speciilor de furnici asupra comunităților de păduchi de plante a liveziilor cu metode de tratare diferită și asupra relațiilor interspecifice ale comunităților de insecte pe planta gazdă” (Hangyaközösségek hatása a különböző módon megművelt gyümölcsösök levéltetű közösségére valamint a tápnövényen

- kialakuló ízeltlábú közösségek közötti kapcsolatok felderítésére), coordinator proiect dr. Balog Adalbert, finanțator: Academia Științifică Maghiară (Magyar Tudományos Akadémia), 750000 Ft.
- 2017 – 2018 „Influența comunităților de furnici la infectarea liveziilor cu păduchi de plante” Hangyaközösségek hatása gyümölcsösök levéltetű fertőzőttségére”, coordinator proiect dr. Balog Adalbert, finanțator: Academia Științifică Maghiară (Magyar Tudományos Akadémia), 1000000 Ft.
- 2011 – 2014 Schimb de plante de gazde sub influența prădătorilor – studiul de caz ale evoluției rapide la păduchii de mazăre, coordinator dr. Balog Adalbert, finanțat de Unitatea Executivă pentru Finanțarea Învățământului Superior, a Cercetării, Dezvoltării și Inovării, număr contract: 115/ 05/10/ 2011, valoare: 642600 RON
- 2011 – 2014 Studiul păduchilor de plante și prădătorii lor în diferite chemotipuri de Tanacetum vulgare, coordinator dr. Balog Adalbert, finanțat de Institute for Scientific Research, număr contract: 1/13/05.01.2012, valoare: 10000 USD
- 2001 - Participant al programului de cercetare: Plasticitatea genetică intra- și intercolonială la specii de furnici comune: efectul tipului de habitat și a răspândirii geografice – program finanțat de **ANSTI**, contract nr. 6203 al UBB, anul 2000, tema nr. B27, coordonator dr. Markó Bálint

H. Creația artistică

H1 Participări la manifestații artistice internaționale

H2. Participări la manifestații artistice naționale

H3. Expoziții, filme, spectacole, concerte, discuri de autor, opere internaționale

H4. Expoziții, filme, spectacole, concerte, discuri de autor, opere naționale

H5. Produse cu drept de proprietate intelectuală în domeniul artistic

III. RECUNOAȘTEREA

I. Premii, distincții.

J. Citări

Google Scholar: 454

https://scholar.google.com/citations?hl=hu&user=qwsVj7sAAAAJ&view_op=list_works

Web of Science (fără autocitări): 129

Lucrare citată:

Iakab M., Domokos E., **Benedek K.**, Molnár K., Kentelky E., Buta E., Dulf FV. (2022): The Importance of Mycorrhizal Fungi in the Development and Secondary Metabolite Production

of *Echinacea purpurea* and Relatives (Asteraceae): Current Research Status and Perspectives, *Horticulturae* **2022**, 8(12), 1106

	Authors	Title	Publication Year	Source Title	Volume	Issue
1	Moghadam, Ali; Taghizadeh, Mohammad Sadegh; Haghi, Reza; Tahmasebi, Ahmad; Niazi, Ali; Ebrahimie, Esmaeil	Exploring novel insights: Methyl jasmonate treatment reveals novel lncRNA-mediated regulation of secondary metabolite biosynthesis pathways in <i>Echinacea purpurea</i>	2024	Food Bioscience	57	
2	Leal, Karla; Rojas, Edwind; Madariaga, David; Contreras, Maria Jose; Nunez-Montero, Kattia; Barrientos, Leticia; Gomez-Espinoza, Olman; Iturrieta-Gonzalez, Isabel	Unlocking Fungal Potential: The CRISPR-Cas System as a Strategy for Secondary Metabolite Discovery	2024	Journal Of Fungi	10	11

2. Putnoky-Csicso, Barna, Toth, F. Balint, J., Kentelky, E. **Benedek, K.**, Fora, Ci. G., Nyaradi, I-I, Balog, A.: Entomopathogenic fungus *Metarhizium anisopliae* (strain NCAIM 362) effects on soil inhabiting *Melolontha melolontha* (Coleoptera) and *Duponchelia fovealis* (Lepidoptera) larvae in sweet potato (*Ipomoea batatas* L.). *Plant Protection Science* **2022** 58(3): 264-268

	Title	Authors	Publication Year	Source Title
1	Borde-Pavlicz, Adam; Zhumakayev, Anuar Rysbekovich; Allaga, Henrietta; Voros, Monika; Ramteke, Pramod Wasudeo; Monostori, Tamas; Vagvolgyi, Csaba	Characterisation of the Endophytic and Rhizospheric <i>Bacillus licheniformis</i> Strains Isolated from Sweet Potato with Plant Growth-Promoting and Yield Enhancing Potential	2024	Advances in Agriculture

Benedek K., Bálint J., Máthé I., Mara Gy., Felföldi T., Szabó A., Fazakas Cs., Albert Cs., Buchkowski R. W., Schmitz O.J., Balog A. (2019): Linking intraspecific variation in plant chemical defense with arthropod and soil bacterial community structure and N allocation, *Plant and Soil* 444 (1-2), 383-397

	Authors	Title	Publication Year	Source Title	Volume	Issue
1	Kubinyi, Eniko; Rhali, Soufiane Bel; Sandor, Sara; Szabo, Attila; Felfoldi, Tamas	Gut Microbiome Composition is Associated with Age and Memory Performance in Pet Dogs	2020	Animals	10	9
2	Lumibao, Candice Y.; Bernik, Brittany M.; Formel, Stephen K.; Kandalepasu, Demetra; Mighell, Kimberly L.; Pardue, John; Van Bael, Sunshine A.; Blum, Michael J.	Rhizosphere microbial communities reflect genotypic and trait variation in a salt marsh ecosystem engineer	2020	American Journal of Botany	107	6

3	Szuroczki, Sara; Szabo, Attila; Korponai, Kristof; Felfoldi, Tamas; Somogyi, Boglarka; Marialigeti, Karoly; Toth, Erika	Prokaryotic community composition in a great shallow soda lake covered by large reed stands (Neusiedler See/Lake Fert) as revealed by cultivation- and DNA-based analyses	2020	Fems Microbiology Ecology	96	10
4	Neuhaus-Harr, Annika; Ojeda-Prieto, Lina; Eilers, Elisabeth; Mueller, Caroline; Weisser, Wolfgang W.; Heinen, Robin	Chemodiversity affects preference for <i>Tanacetum vulgare</i> chemotypes in two aphid species	2024	Oikos	2024	3
5	Foster, Bryan S.; Haile, Brendan B.; Campnell, Justin T.; Canam, Thomas; Gallagher, Marci J.; Meiners, Scott J.	Plant performance responds to intraspecific variation in soil inocula from individual <i>Solidago</i> clones	2022	Plant Ecology	223	2
6	Zhang, Lei; Lv, Junping	The impact of land-use change on the soil bacterial community in the Loess Plateau, China	2021	Journal of Arid Environments	188	
7	Borsodi, Andrea K.; Anda, Dora; Szabo, Attila; Megyes, Melinda; Krett, Gergely	Impacts of Different Habitats on the Composition of Bacterial Communities at the Discharging Endpoints of a Hypogene Thermal Karst System	2022	Geomicrobiology Journal	39	2
8	Toth, E.; Toumi, M.; Farkas, R.; Takats, K.; Somodi, Cs.; Acs, E.	Insight into the hidden bacterial diversity of Lake Balaton, Hungary	2020	Biologia Futura	71	4
9	Mitu, Shahida A.; Stewart, Praphaporn; Tran, Trong D.; Reddell, Paul W.; Cummins, Scott F.; Ogbourne, Steven M.	Identification of Gene Biomarkers for Tigilanol Tiglate Content in <i>Fontainea picosperm</i>	2022	Molecules	27	13
10	Clark, Kelly M.; Gallagher, Marci J.; Canam, Thomas; Meiners, Scott J.	Genetic relatedness can alter the strength of plant-soil interactions	2024	American Journal of Botany	111	3
11	Thosteman, Hanna Eriksdotter; Eisen, Katherine; Petren, Hampus; Boutsis, Sotiria; Pace, Loretta; Halley, John M.; De Moraes, Consuelo M.; Mescher, Mark C.; Buckley, James; Friberg, Magne	Integration of attractive and defensive phytochemicals is unlikely to constrain chemical diversification in a perennial herb	2024	New Phytologist	244	1
12	Ge, Zhiwei; Xiao, Hanran; Pang, Yanbing; Peng, Sili; Mao, Lingfeng; Ruan, Honghua	Soil Organic Carbon and pH Dominate the Effects of Nitrogen Addition on Soil Microarthropods in a Poplar Plantation in Coastal Eastern China	2023	Forests	14	5

Benedek K., Mara Gy., Mehrpavar M., Bálint J., Loxdale H. D., Balog A. (2019): Near-regular distribution of adult crimson tansy aphids, *Uroleucon tanacetii* (L.), increases

aposematic signal honesty on different tansy plant chemotypes, Biological Journal of the Linnean Society 126 (2), 315-326. IF=2.203

	Authors	Title	Publication Year	Source Title	Volume	Issue
1	Ziaja, Dominik; Mueller, Caroline	Intraspecific chemodiversity provides plant individual- and neighbourhood-mediated associational resistance towards aphids	2023	Frontiers in Plant Science	14	
2	Neuhaus-Harr, Annika; Ojeda-Prieto, Lina; Eilers, Elisabeth; Mueller, Caroline; Weisser, Wolfgang W.; Heinen, Robin	Chemodiversity affects preference for Tanacetum vulgare chemotypes in two aphid species	2024	Oikos	2024	3
3	Wiens, John J.; Emberts, Zachary	How life became colourful: colour vision, aposematism, sexual selection, flowers, and fruits	2025	Biological Reviews	100	1
4	Ziaja, D.; Mueller, C.	Intraspecific and intra-individual chemodiversity and phenotypic integration of terpenes across plant parts and development stages in an aromatic plant	2025	Plant Biology		

Bálint J., **Benedek K.**, Loxdale H. D., Kovács E., Ábrahám B., Balog A. (2018): How host plants and predators influence pea aphid (*Acyrtosiphon pisum* Harris) populations in a complex habitat. North-Western Journal of Zoology. 14(2). IF=0.843

	Authors	Title	Publication Year	Source Title
1	Nikolova, Ivelina	Structure, relationships and diversity in the community of aphids and aphidophagous species in alfalfa	2024	Bulletin of Entomological Research

Benedek K. (2018): Aspects in Romanian nature conservation – a review, Environmental Engineering and Management Journal 17(1) IF: 1.117

	Authors	Title	Source Title	Publication Year	Volume	Issue
1	Calina, Jenica; Calina, Aurel	Analysis of the indicators characterizing the activity of rural tourism and agritourism in valcea county from the perspective of the total quality	Scientific papers-series management economic engineering in agriculture and rural development	2021	21	4
2	Vasilescu, Anca Georgiana; Plesoianu, Alin-Ionut; Patru-Stupariu, Ileana	Aspects of traditional agricultural landscapes: potential alternative development paths for sustainable agriculture- A	Biodiversity And Conservation	2023	32	12

		review				
3	Calina, Jenica; Calina, Aurel	Study on the current stage of development, planning and promotion of rural tourism and agritourism in the ethnographic area maramures	Scientific Papers-Series Management Economic Engineering in Agriculture And Rural Development	2022	22	3
4	Calina, Jenica; Calina, Aurel	Study on the possibility of applying the principles of total quality management to the rural tourist pension Fratii Jderi	Scientific Papers-Series Management Economic Engineering in Agriculture and Rural Development	21	1	
5	Calina, Jenica; Calina, Aurel; Ciobanu, Andi	Identification of the best apple and pear tree varieties suitable to be grown in farms and agritourism households in the south-west area of Romania	Environmental Engineering and Management Journal	2022	21	6
6	Kose, Murat; Kirca, Simay; Gurbey, Alev Perihan; Saglam, Serhun; Cinar, Hande Sanem; Ozdemir, Emrah; Kul, Ali Ayhan; Altincekic, Tevfik Hakan; Gumus, Canturk	A model for urban forest management planning: Istanbul case study	Environmental Engineering and Management Journal	2021	20	7
7	Popa, Cristina; Bratu, Ana-Maria	Applicability of the spectroscopy in the analysis of scuba divers respiration	Environmental Engineering and Management Journal	2021	20	2
8	Moraru, Radu-Adrian; Bodescu, Dan; Magdici, Maria; Simeanu, Daniel; Bulgariu, Emilian	Analysis of the energy input-output of honey production in the mountainous area of romania	Environmental Engineering and Management Journal	2019	18	11
9	Calina, Jenica; Calina, Aurel	Study on the influence of the pandemic on the indicators characterizing the traffic and quality of tourist services at a boarding house in dolj county	Scientific Papers-Series Management Economic Engineering in Agriculture and Rural Development	2022	22	3
10	Calina, Jenica; Calina, Aurel; Ciobanu, Andi	Study on the evolution of production and surfaces of fruit tree plantations in the period 1988-2018 and the importance of fruit production for households and agritouristic farms in Romania	Scientific Papers-Series Management Economic Engineering in Agriculture and Rural Development	2021	21	1
11	Alpopi, Cristina; Diaconu, Silviu; Velicu, Elena Rusalca	Strategies on the development of ecotourism at the Bucharest in the context of globalization	19th International Scientific Conference Globalization and its Socio-Economic Consequences 2019 - Sustainability in the Global-Knowledge Economy	2020	74	

12	Petrisor, Alexandru-Ionut; Tirzman, Elena	Environmental Crimes of Early Romanian Communism: Focus on the Enemies of Agriculture Study regarding the analysis of tourist resources and activities from a boarding house in the municipality of Cicanesti-Arges, Romania, in the period 2018-2022	Problemy Ekorożwoju	2019	14	1
13	Calina, Jenica; Calina, Aurel		Scientific Papers-Series Management Economic Engineering in Agriculture and Rural Development	2024	24	2
14	Calina, Jenica; Calina, Aurel	Study on the influence of the covid-19 pandemic on tourist circulation in the Maramures County, Romania	Scientific Papers-Series Management Economic Engineering in Agriculture and Rural Development	2023	23	3
15	Brinzan, Oana; Dragoi, Marian; Calinovici, Ioan; Tigan, Eugenia; Suci, Codruta Teodora	Local communities and Mures Floodplain Natural Park Romania: a common fight against invasive species	Environmental Engineering and Management Journal	2020	19	3

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	Authors	Title	Source Title	Publication Year	Volume	Issue
1	Grunseich, John M.; Thompson, Morgan N.; Aguirre, Natalie M.; Helms, Anjel M.	The Role of Plant-Associated Microbes in Mediating Host-Plant Selection by Insect Herbivores	Plants-Basel	2020	9	1
2	Tran, Binh T. T.; Watts-Williams, Stephanie J.; Cavagnaro, Timothy R.	Impact of an arbuscular mycorrhizal fungus on the growth and nutrition of fifteen crop and pasture plant species	Functional Plant Biology	2019	46	8
3	Zhu, Bolin; Gao, Teng; Zhang, Danni; Ding, Ke; Li, Chao; Ma, Fengwang	Functions of arbuscular mycorrhizal fungi in horticultural crops	Scientia Horticulturae	2022	303	
4	Takacs, Tunde; Cseresnyes, Imre; Kovacs, Ramona; Paradi, Istvan; Kelemen, Bettina; Szili-Kovacs, Tibor; Fuzy, Anna	Symbiotic Effectivity of Dual and Tripartite Associations on Soybean (Glycine max L. Merr.) Cultivars Inoculated with Bradyrhizobium japonicum and AM Fungi	Frontiers in Plant Science	2018	9	

5	Li, Yingde; Nan, Zhibiao; Matthew, Cory; Wang, Yajie; Duan, Tingyu	Arbuscular mycorrhizal fungus changes alfalfa (<i>Medicago sativa</i>) metabolites in response to leaf spot (<i>Phoma medicaginis</i>) infection, with subsequent effects on pea aphid (<i>Acyrtosiphon pisum</i>) behavior	New Phytologist	2023	239	1
6	Yu, Lu; Zhang, Wantong; Geng, Yiyi; Liu, Kesi; Shao, Xinqing	Cooperation With Arbuscular Mycorrhizal Fungi Increases Plant Nutrient Uptake and Improves Defenses Against Insects	Frontiers in Ecology and Evolution	2022	10	
7	Dabre, Elisee Emmanuel; Hijri, Mohamed; Favret, Colin	Influence on Soybean Aphid by the Tripartite Interaction between Soybean, a Rhizobium Bacterium, and an Arbuscular Mycorrhizal Fungus	Microorganisms	2022	10	6
8	Yang, Qiang; Siemann, Evan; Harvey, Jeffrey A.; Ding, Jianqing; Biere, Arjen	Effects of soil biota on growth, resistance and tolerance to herbivory in <i>Triadica sebifera</i> plants	Geoderma	2021	402	
9	Du, Ewei; Chen, Yaping; Li, Yahong; Zhang, Fengjuan; Sun, Zhongxiang; Hao, Ruoshi; Gui, Furong	Effect of arbuscular mycorrhizal fungi on the responses of <i>Ageratina adenophora</i> to <i>Aphis gossypii</i> herbivory	Frontiers In Plant Science	2022	13	
10	Nurzynska-Wierdak, Renata; Buczkowska, Halina; Salata, Andrzej	Do AMF and Irrigation Regimes Affect Sweet Pepper Fruit Quality under Open Field Conditions?	Agronomy-Basel	2021	11	11
11	Dabre, Elisee Emmanuel; Brodeur, Jacques; Hijri, Mohamed; Favret, Colin	The Effects of an Arbuscular Mycorrhizal Fungus and Rhizobium Symbioses on Soybean Aphid Mostly Fail to Propagate to the Third Trophic Level	Microorganisms	2022	10	6
12	Dabre, Elisee Emmanuel; Lee, Soon-Jae; Hijri, Mohamed; Favret, Colin	The effects of mycorrhizal colonization on phytophagous insects and their natural enemies in soybean fields	Plos One	2021	16	9
13	Du, Ewei; Li, Pengcun; Zhao, Wenyan; Luo, Rongchao; Chen, Yaping; Lu, Minghong; Sun, Zhongxiang; Gui, Furong	<i>Claroideoglomus etunicatum</i> and <i>Bacillus thuringiensis</i> Affect the Growth of the Invasive Plant <i>Ageratina adenophora</i> and Its Defense Against the Specialist Herbivore <i>Procecidochares utilis</i>	Microorganisms	2024	12	12
14	Riggi, Laura G. A.; Dirham, Andi N.; Akangbe, Onikepe R.; de Vos, Ric C. H.; Fijen, Thijs P. M.; van Apeldoorn, Dirk F.; Mommer, Liesje; van Arkel, Jeroen; Mumm, Roland; Emery, Sara E.; Kloth, Karen J.	Strip-cropping legacy enhances potato plant defence responses to aphids via soil-mediated mechanisms	Functional Ecology	2024	38	12

	Cascone, Pasquale; Iodice, Luigi; Gualtieri, Liberata; Russo, Assunta; Cesaro, Patrizia;					
15	Yang, Zekun; Ruocco, Michelina; Monti, Maurilia Maria; Massa, Nadia; Lingua, Guido; Guerrieri, Emilio	Feeding specialization shapes the bottom-up effect of arbuscular mycorrhizal fungi across a plant-aphid-parasitoid system	Plants People Planet	2024	6	6

Bálint J., Zytynska S. Z., Salamon R. V., Mehrparvar M., Weisser W. W., Schmitz O. J., **Benedek K.**, Balog A. (2015): Intraspecific differences in plant chemotype determine the structure of arthropod food webs, 180 (3): 797 – 807

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1	Jakobs, Ruth; Mueller, Caroline	Effects of intraspecific and intra-individual differences in plant quality on preference and performance of monophagous aphid species	2018	Oecologia	186	1
2	Cope, Olivia L.; Keefover-Ring, Ken; Kruger, Eric L.; Lindroth, Richard L.	Growth-defense trade-offs shape population genetic composition in an iconic forest tree species	2021	Proceedings of the National Academy of Sciences of the United States of America	118	37
3	Jakobs, Ruth; Mueller, Caroline	Volatile, stored and phloem exudate-located compounds represent different appearance levels affecting aphid niche choice	2019	Phytochemistry	159	
4	Graf, Nadin; Bucher, Roman; Schaefer, Ralf B.; Entling, Martin H.	Contrasting effects of aquatic subsidies on a terrestrial trophic cascade	2017	Biology Letters	13	5
5	Ziaja, Dominik; Mueller, Caroline	Intraspecific chemodiversity provides plant individual- and neighbourhood-mediated associational resistance towards aphids	2023	Frontiers In Plant Science	14	
6	Knegt, Bram; Meijer, Tomas T.; Kant, Merijn R.; Kiers, E. Toby; Egas, Martijn Neuhaus-Harr, Annika;	Tetranychus evansi spider mite populations suppress tomato defenses to varying degrees	2020	Ecology And Evolution	10	10
7	Ojeda-Prieto, Lina; Eilers, Elisabeth; Mueller, Caroline; Weisser, Wolfgang W.; Heinen, Robin	Chemodiversity affects preference for Tanacetum vulgare chemotypes in two aphid species	2024	Oikos	2024	3
8	Espinosa-Garcia, Francisco Javier	The role of phytochemical diversity in the management of agroecosystems	2022	Botanical Sciences	100	

9	Lenardis, Adriana E.; Gil, Alejandra; Pablo Torretta, Juan; Ganly, Diego; Pablo Bouilly, Juan; de la Fuente, Elba B.	Floral visitor assemblages related to coriander genotypes and sowing dates: Relationship with volatile signals	2017	Njas-Wageningen Journal of Life Sciences	83	
10	Ojeda-Prieto, L.; Berkum, P. Medina-van; Unsicker, S. B.; Heinen, R.; Weisser, W. W.	Intraspecific chemical variation of <i>Tanacetum vulgare</i> affects plant growth and reproductive traits in field plant communities	2024	Plant Biology		
11	Sasidharan, Rohit; Grond, Sean G.; Champion, Stephanie; Eilers, Elisabeth J.; Mueller, Caroline	Intraspecific plant chemodiversity at the individual and plot levels influences flower visitor groups with consequences for germination success	2024	Functional Ecology	38	12
12	Ziaja, D.; Mueller, C.	Intraspecific and intra-individual chemodiversity and phenotypic integration of terpenes across plant parts and development stages in an aromatic plant	2025	Plant Biology		

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1	Bucharova, Anna; Michalski, Stefan; Hermann, Julia-Maria; Heveling, Karola; Durka, Walter; Hoelzel, Norbert; Kollmann, Johannes; Bossdorf, Oliver	Genetic differentiation and regional adaptation among seed origins used for grassland restoration: lessons from a multispecies transplant experiment	2017	Journal Of Applied Ecology	54	1
2	Clancy, Mary V.; Zytynska, Sharon E.; Senft, Matthias; Weisser, Wolfgang W.; Schnitzler, Joerg-Peter	Chemotypic variation in terpenes emitted from storage pools influences early aphid colonisation on tansy	2016	Scientific Reports	6	
3	Korpinen, Risto I.; Vaelimaa, Anna-Liisa; Liimatainen, Jaana; Kunnas, Susan	Essential Oils and Supercritical CO2 sub Extracts of Arctic Angelica (<i>Angelica archangelica</i> L.), Marsh Labrador Tea (<i>Rhododendron tomentosum</i>) and Common Tansy (<i>Tanacetum vulgare</i>)-Chemical Compositions and Antimicrobial Activities	2021	Molecules	26	23
4	Kowalonek, Jolanta; Stachowiak, Natalia; Bolczak, Kinga; Richert, Agnieszka	Physicochemical and Antibacterial Properties of Alginate Films Containing Tansy (<i>Tanacetum vulgare</i> L.) Essential Oil	2023	Polymers	15	2

5	Eilers, Elisabeth J.; Kleine, Sandra; Eckert, Silvia; Waldherr, Simon; Mueller, Caroline	Flower Production, Headspace Volatiles, Pollen Nutrients, and Florivory in <i>Tanacetum vulgare</i> Chemotypes	2021	Frontiers In Plant Science	11	
6	Jakobs, Ruth; Mueller, Caroline	Volatile, stored and phloem exudate-located compounds represent different appearance levels affecting aphid niche choice	2019	Phytochemistry	159	
7	Liu, Xiang-Dong; Xu, Ting-Ting; Lei, Hai-Xia	Refuges and host shift pathways of host-specialized aphids <i>Aphis gossypii</i>	2017	Scientific Reports	7	
8	Clancy, Mary V.; Haberer, Georg; Jud, Werner; Niederbacher, Bishu; Niederbacher, Simon; Senft, Matthias; Zytynska, Sharon E.; Weisser, Wolfgang W.; Schnitzler, Joerg-Peter	Under fire-simultaneous volatilome and transcriptome analysis unravels fine-scale responses of tansy chemotypes to dual herbivore attack	2020	Bmc Plant Biology	20	1
9	Sasidharan, Rohit; Grond, Sean G.; Champion, Stephanie; Eilers, Elisabeth J.; Mueller, Caroline	Intraspecific plant chemodiversity at the individual and plot levels influences flower visitor groups with consequences for germination success	2024	Functional Ecology	38	12

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(Hymenoptera: Formicidae), North-Western Journal of Zoology 10(2): 245-250

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1	Adams, Eldridge S.	Territoriality in ants (Hymenoptera: Formicidae): a review	2016	Myrmecological News	23	
2	Frizzi, Filippo; Ciofi, Claudio; Dapporto, Leonardo; Natali, Chiara; Chelazzi, Guido; Turillazzi, Stefano; Santini, Giacomo	The Rules of Aggression: How Genetic, Chemical and Spatial Factors Affect Intercolony Fights in a Dominant Species, the Mediterranean Acrobat Ant <i>Crematogaster</i> <i>scutellaris</i>	2015	Plos One	10	10
3	Uy, F. M. K.; Adcock, J. D.; Jeffries, S. F.; Pepere, E.	Intercolony distance predicts the decision to rescue or attack conspecifics in weaver ants	2019	Insectes Sociaux	66	2
4	Krapf, Patrick; Russo, Lucia; Arthofer, Wolfgang; Moest, Markus; Steiner, Florian M.; Schlick-Steiner, Birgit C.	An Alpine ant's behavioural polymorphism: monogyny with and without internest aggression in <i>Tetramorium alpestre</i>	2018	Ethology Ecology & Evolution	30	3

5	Camlitepe, Yilmaz; Aksoy, Volkan	Distribution and Conservation Status of the European Red Wood Ant Species <i>Formica pratensis</i> Retzius, 1783 (Hymenoptera, Formicidae) in (European) Turkey	2019	Journal of the Entomological Research Society	21	
6	Frizzi, Filippo; Panichi, Sara; Rispoli, Alice; Masoni, Alberto; Santini, Giacomo	Spatial variation of the aggressive response towards conspecifics in the ant <i>Crematogaster scutellaris</i> (Hymenoptera Formicidae)	2014	Redia-Giornale Di Zoologia	97	
7	Zorzal, Gabriela; Camarota, Flavio; Dias, Marcondes; Vidal, Diogo M.; Lima, Eraldo; Fregonezi, Aline; Campos, Ricardo I.	The dear enemy effect drives conspecific aggressiveness in an Azteca-Cecropia system	2021	Scientific Reports	11	1
8	Keresztes, Kriszta-Kincso; Csata, Eniko; Lunka, Tekla A.; Marko, Balint	Friend or foe? Differential aggression towards neighbors and strangers in the ant <i>Liometopum microcephalum</i> (Hymenoptera: Formicidae)	2020	Entomological Science	23	4
9	Frizzi, Filippo; Masoni, Alberto; Santedicola, Margherita; Servini, Martina; Simoncini, Nicola; Palmieri, Jessica; Santini, Giacomo	Intraspecific Relationships and Nest Mound Shape Are Affected by Habitat Features in Introduced Populations of the Red Wood Ant <i>Formica paralugubris</i>	2022	Insects	13	2
10	Aksoy, Volkan; Camlitepe, Yilmaz	Effects of genetic relatedness, spatial distance, and context on intraspecific aggression in the red wood ant <i>Formica pratensis</i> (Hymenoptera: Formicidae)	2018	Turkish Journal Of Zoology	42	3
11	Champer, Jackson; Schlenoff, Debra	Battles between ants (Hymenoptera: Formicidae): a review	2024	Journal Of Insect Science	24	3
12	Chaves-Ramirez, Silvia; Sagot, Maria; Sanchez-Chavarria, Mariela; Chaverri, Gloriana	Aggressive vocalizations during intergroup interactions in roost defense in the Spix's disk-winged bat	2023	Ethology	129	10

13	Czaczkas, Tomer J.; Koch, Alexandra; Schmid, Sophie; Trindl, Andreas; Heinze, Juergen; Cordonnier, Marion	Not dear neighbours: Antennation and jerking, but not aggression, correlate with genetic relatedness and spatial distance in the ant <i>Lasius niger</i>	2024	Ecological Entomology	49	2
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Martin S. J., Helanterä H, **Kiss K.**, Lee Y. R., Drijfhout F. P. (2009): Polygyny reduces rather than increases nestmate discrimination cue diversity in *Formica exsecta* ants, *Insectes Sociaux*, 56(4): 375-383

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1	Leonhardt, Sara Diana; Menzel, Florian; Nehring, Volker; Schmitt, Thomas	Ecology and Evolution of Communication in Social Insects	2016	Cell	164	6
2	Sprenger, Philipp P.; Menzel, Florian	Cuticular hydrocarbons in ants (Hymenoptera: Formicidae) and other insects: how and why they differ among individuals, colonies, and species	2020	Myrmecological News	30	
3	van Wilgenburg, Ellen; Elgar, Mark A.	Confirmation Bias in Studies of Nestmate Recognition: A Cautionary Note for Research into the Behaviour of Animals	2013	Plos One	8	1
4	Bos, Nick; Grinsted, Lena; Holman, Luke	Wax On, Wax Off: Nest Soil Facilitates Indirect Transfer of Recognition Cues between Ant Nestmates	2011	Plos One	6	4
5	Drescher, Jochen; Bluethgen, Nico; Schmitt, Thomas; Buehler, Jana; Feldhaar, Heike	Societies Drifting Apart? Behavioural, Genetic and Chemical Differentiation between Supercolonies in the Yellow Crazy Ant <i>Anoplolepis gracilipes</i>	2010	Plos One	5	10
6	Kleeberg, Isabelle; Menzel, Florian; Foitzik, Susanne	The influence of slavemaking lifestyle, caste and sex on chemical profiles in <i>Temnothorax</i> ants: insights into the evolution of cuticular hydrocarbons	2017	Proceedings Of the Royal Society B-Biological Sciences	284	1850
7	Jongepier, Evelien; Foitzik, Susanne	Ant recognition cue diversity is higher in the presence of slavemaker ants	2016	Behavioral Ecology	27	1
8	Schultner, E.; Pulliainen, U.	Brood recognition and discrimination in ants	2020	Insectes Sociaux	67	1

9	Nehring, Volker; Dani, Francesca R.; Turillazzi, Stefano; Boomsma, Jacobus J.; d'Ettorre, Patrizia	Integration strategies of a leaf-cutting ant social parasite	2015	Animal Behaviour	108	
10	De La Mora, Aldo; Sankovitz, Madison; Purcell, Jessica	Ants (Hymenoptera: Formicidae) as host and intruder: recent advances and future directions in the study of exploitative strategies	2020	Myrmecological News	30	
11	Soro, Antonella; Ayasse, Manfred; Zobel, Marion U.; Paxton, Robert J.	Kin discriminators in the eusocial sweat bee <i>Lasioglossum malachurum</i> : the reliability of cuticular and Dufour's gland odours	2011	Behavioral Ecology and Sociobiology	65	4
12	Maak, Istvan; Marko, Balint; Eros, Katalin; Babik, Hanna; Slipinski, Piotr; Czechowski, Wojciech	Cues or meaningless objects? Differential responses of the ant <i>Formica cinerea</i> to corpses of competitors and enslavers	2014	Animal Behaviour	91	
13	Kidokoro-Kobayashi, Midori; Iwakura, Misako; Fujiwara-Tsujii, Nao; Fujiwara, Shingo; Sakura, Midori; Sakamoto, Hironori; Higashi, Seigo; Hefetz, Abraham; Ozaki, Mamiko	Chemical Discrimination and Aggressiveness via Cuticular Hydrocarbons in a Supercolony-Forming Ant, <i>Formica yessensis</i>	2012	Plos One	7	10
14	Newey, Philip	Not one odour but two: A new model for nestmate recognition	2011	Journal of Theoretical Biology	270	1
15	Meunier, Joel; Delemont, Olivier; Lucas, Christophe	Recognition in Ants: Social Origin Matters	2011	Plos One	6	5
16	Marko, Balint; Czeke, Zolt; Eros, Katalin; Csata, Eniko; Szasz-Len, Anna-Maria	The largest polydomous system of <i>Formica</i> ants (Hymenoptera: Formicidae) in Europe discovered thus far in Romania	2012	North-Western Journal of Zoology	8	2
17	Sun, Pengdong; Yu, Shuxin; Merchant, Austin; Lei, Chaoliang; Zhou, Xuguo; Huang, Qiuying	Downregulation of Orco and 5HTT Alters Nestmate Discrimination in the Subterranean Termite <i>Odontotermes formosanus</i> (Shiraki)	2019	Frontiers in Physiology	10	
18	Fournier, Denis; de Biseau, Jean-Christophe; De laet, Sophie; Lenoir, Alain; Passera, Luc; Aron, Serge	Social Structure and Genetic Distance Mediate Nestmate Recognition and Aggressiveness in the Facultative Polygynous Ant <i>Pheidole pallidula</i>	2016	Plos One	11	5

19	Maak, Istvan; Camera, Jessica; Casacci, Luca Pietro; Barbero, Francesca; Trigos-Peral, Gema; Slipinski, Piotr; Bonelli, Simona; Zaccagno, Michele; Witek, Magdalena	The influence of colony traits on the collective behaviour of <i>Myrmica scabrinodis</i> ants	2019	Insect Conservation and Diversity	12	6
20	Quezada-Euan, Jose Javier G.; Ramirez, Jorge; Eltz, Thomas; Pokorny, Tamara; Medina, Ruben; Monsreal, Raul	Does sensory deception matter in eusocial obligate food robber systems? A study of <i>Lestrimelitta</i> and stingless bee hosts	2013	Animal Behaviour	85	4
21	Bathori, Ferenc; Radai, Zoltan; Tartally, Andras	The effect of <i>Rickia wasmannii</i> (Ascomycota, Laboulbeniales) on the aggression and boldness of <i>Myrmica scabrinodis</i> (Hymenoptera, Formicidae)	2017	Journal of Hymenoptera Research	58	
22	Krapf, Patrick; Arthofer, Wolfgang; Ayasse, Manfred; Steiner, Florian M.; Schlick-Steiner, Birgit C.	Global change may make hostile-Higher ambient temperature and nitrogen availability increase ant aggression	2023	Science of the Total Environment	861	
23	Saar, Maya; Eyer, Pierre-Andre; Kilon-Kallner, Tal; Hefetz, Abraham; Scharf, Inon	Within-colony genetic diversity differentially affects foraging, nest maintenance, and aggression in two species of harvester ants	2018	Scientific Reports	8	
24	Torres, Candice W.; Tonione, Maria A.; Ramirez, Santiago R.; Sapp, Joseph R.; Tsutsui, Neil D.	Genetic and chemical divergence among host races of a socially parasitic ant	2018	Ecology and Evolution	8	23
25	Csata, Eniko; Marko, Balint; Eros, Katalin; Gal, Csilla; Szasz-Len, Anna-Maria; Czekes, Zsolt	Outstations as stable meeting points for workers from different nests in a polydomous nest system of <i>Formica exsecta</i> nyl. (Hymenoptera: Formicidae)	2012	Polish Journal of Ecology	60	1
26	Maak, Istvan; Czekes, Zsolt; Eros, Katalin; Palfi, Zsolia; Marko, Balint	Living on the Edge: Changes in the Foraging Strategy of a Territorial Ant Species Occurring with a Rival Supercolony - a Case Study	2020	Journal of Insect Behavior	33	1
27	Menzel, Florian; Radke, Rene; Foitzik, Susanne	Odor diversity decreases with inbreeding in the ant <i>Hypoconera opacior</i>	2016	Evolution	70	11
28	Keresztes, Kriszta-Kincso; Csata, Eniko; Lunka, Tekla A.; Marko, Balint	Friend or foe? Differential aggression towards neighbors and strangers in the ant <i>Liometopum microcephalum</i> (Hymenoptera: Formicidae)	2020	Entomological Science	23	4

29	Mothapo, Natasha P.; Wossler, Theresa C.	You are not always what you eat: diet did not override intrinsic nestmate recognition cues in Argentine ants from two supercolonies in South Africa	2016	African Zoology	51	3
30	Leonhardt, Sara Diana; Form, Sven; Bluethgen, Nico; Schmitt, Thomas; Feldhaar, Heike	Genetic Relatedness and Chemical Profiles in an Unusually Peaceful Eusocial Bee	2011	Journal of Chemical Ecology	37	10
31	Godfrey, R. Keating; Oberski, Jill T.; Allmark, Taylor; Givens, Caleb; Hernandez-Rivera, Jessica; Gronenberg, Wulfila	Olfactory System Morphology Suggests Colony Size Drives Trait Evolution in Odorous Ants (Formicidae: Dolichoderinae)	2021	Frontiers in Ecology and Evolution	9	
32	Maak, Istvan; Torma, Attila; Kovacs, Judit; Somogyi, Anna; Lorinczi, Gabor	Threat, Signal or Waste? Meaning of Corpses in two Dulotic Ant Species	2016	Journal of Insect Behavior	29	4
33	Torres, Candice W.; Tsutsui, Neil D.	The Effect of Social Parasitism by <i>Polyergus breviceps</i> on the Nestmate Recognition System of Its Host, <i>Formica altipetens</i>	2016	Plos One	11	2
34	Włodarczyk, Tomasz; Szczepaniak, Lech	Incomplete Homogenization of Chemical Recognition Labels Between <i>Formica sanguinea</i> and <i>Formica rufa</i> Ants (Hymenoptera: Formicidae) Living in a Mixed Colony	2014	Journal of Insect Science	14	
35	Contala, Marie-Luise; Krapf, Patrick; Steiner, Florian M.; Schlick- Steiner, Birgit C.	Foraging valor linked with aggression: selection against completely abandoning aggression in the high-elevation ant <i>Tetramorium alpestre</i> ?	2024	Insect Science	31	3
36	Taheri, Ahmed; Reyes- Lopez, Joaquin L.; Bennas, Nard	Reduced level of intraspecific aggressivity in the colonies of <i>Anochetus ghilianii</i> (Spinola, 1851) (Hymenoptera: Formicidae) Western Rif mountains (North-West of Morocco)	2015	Ecoscience	22	2-4

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1	Tista, Melanie; Fiedler, Konrad	How to evaluate and reduce sampling effort for ants	2011	Journal of Insect Conservation	15	4

2	Brigic, Andreja; Bujan, Jelena; Alegro, Antun; Segota, Vedran; Ternjej, Ivancica	Spatial distribution of insect indicator taxa as a basis for peat bog conservation planning Establishment of ant communities in forests growing on former agricultural fields: Colonisation and 25 years of management are not enough (Hymenoptera: Formicidae)	2017	Ecological Indicators	80	3
	Dekoninck, Wouter; Desender, Konjev; Grootaert, Patrick	Influence of the herbaceous layer and litter depth on the spatial distribution of litter macrofauna in a forest plantation Forest Succession	2008	European Journal of Entomology	105	44
3	Faly, L. I.; Brygadyrenko, V. V.	Endangers the Special Ant Fauna of Abandoned Quarries along the River Meuse (Wallonia, Belgium)	2018	Biosystems Diversity	26	15
4	Dethier, Michel; Maelfait, Jean-Pierre	Monopolization of resources by ground-nesting ants foraging on trees in Mediterranean forests	2010	Restoration Ecology	18	56
5	Martinez, Jean-Jacques Itzhak	Influence of Inundation pattern on the Epigaeal Ant fauna in a European Floodplain forest complex (Hymenoptera: Formicidae)	2015	Acta Oecologica-International Journal of Ecology	65-66	7
6	Arndt, Erik; Grunert, Harald; Schuler, Juergen	Unexpected distribution of subordinates around nests of the wood ants	2011	Entomologia Generalis	33	18-2
7	Maak, I. E.; Sondej, I.; Juhasz, O.; Trigos-Peral, G.; Tenyer, A.; Camera, J.; Czechowski, W.	Progressive vegetation succession of fen habitats promotes the lack of habitat specialist ants	2021	Acta Oecologica-International Journal of Ecology	110	
8	Bujan, J.; Brigic, Andreja; Sedlar, Z.; Sostaric, R.	Space, Habitat and Isolation are the Key Determinants of Tree Colonization by the Carpenter Ant in Plantation Forests	2015	Insectes Sociaux	62	4
9	Vele, Adam; Horak, Jakub		2019	Forests	10	8

K. Alte realizări semnificative.

Manifestări științifice internaționale (fără abstracte)

International

Gallé László, Makra Orsolya, Bozsó Miklós, Fülöp Dávid, Gallé Róbert, **Kiss Klára**, Markó Bálint, Margóczy Katalin, Macalik Kunigunda, Molnár Nóra, Sághy Melinda, Sárkány-Kiss Endre, Torma Attila (2003): Tisza-menti teresztis életközösségek léptékfüggő kapcsolatai, 2003. évi Tisza-kutató Ankét, Szeged.

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regionally scaled strategies, ENTO24, University of Liverpool, 10-12 septembrie 2024

Martin Iakab, Erzsébet Domokos, **Klára Benedek**, Katalin Molnár, Béla Bíró-Janka, Dávid Incze, Francisc Vasile Dulf (2022): Effect of Growth Hormones and Cold Treatment on *Echinacea purpurea* Seed Germination, 21st International Conference "Life Sciences for Sustainable Development", Cluj-Napoca, Romania, 15-17 September 2022

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Data,

Semnătura,