

**Lista de lucrări în domeniul de studii universitare de licență
Știința Mediului (Biologie)**

Numele și prenumele: Tiberiu-Rudolf Hartel

A. Teza de doctorat:

Studiul Ecologic și faunistic al amfibienilor din bazinul Târnavei Mari

B. Cărți publicate

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

În curs de editare:

Tibor Hartel and Tobias Plieninger: "European wood-pastures in transition: a social-ecological approach". Editura Earthscan.

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

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

B6. Capitole de cărți publicate în țară

C. Lucrări științifice publicate

C1. Lucrări științifice publicate în reviste cotate ISI

1. Cogălniceanu, D., Băncilă, R., Plăiașu, R., Samoilă, C., **Hartel, T.** (2012): Aquatic habitat use by amphibians with specific reference to *Rana temporaria* at high elevations (Retezat Mountains National Park, Romania). *Annales de Limnologie – International Journal of Limnology* 48: 355-362. Impact Factor 2011: 0.80
2. Fischer, J., **Hartel, T.**, Kuemmerle, T. (2012): Conservation policy in traditional farming landscapes. *Conservation Letters* 3: 167-175. DOI: 10.1111/j.1755-263X.2012.00227.x. Impact Factor 2011: 4.082
3. Kovács, T., Vági, B., Băncilă, R., **Hartel, T.**, Anthony, B.P. A landscape-level study on the breeding site characteristics of ten amphibian species in Central Europe. *Amphibia-Reptilia*, revizii minore resubmise. Impact Factor 2011: 0.975
4. Mikulcak, F., Newig, J., Milcu, A.I., **Hartel, T.**, Fischer, J. Aspirations versus Reality: How EU Policy Impacts on Farmland Biodiversity Conservation in Central Romania. *Environmental Conservation*, acceptat spre publicare. Impact Factor 2011: 1.927

5. Plăiașu, R., Băncilă, R., Samoilă, C., **Hartel, T.**, Cogălniceanu, D. (2012): Aquatic habitat availability and use by amphibian communities in a rural landscape. *Herpetological Journal*, 22: 13-21. ISI impact factor 2011: 0.812
6. **Hartel, T.**, Băncilă R., Cogălniceanu D. (2011): Spatial and temporal variability of aquatic habitat use by amphibians in a hydrologically modified landscape. *Freshwater Biology* 56: 2288-2298. DOI: 10.1111/j.1365-2427.2011.02655.x. ISI impact factor 2010: 3.290
7. Balog, A., Ferencz, L., **Hartel, T.** (2011): Effects of chitin and contact insecticide complexes on the activity, density and diversity of rove beetles (Coleoptera: Staphylinidae) in commercial orchards. *Journal of Insect Science* 11: 1-10. ISI impact factor 2010: 0.94
8. Benton, T., **Hartel, T.**, Settele, J. (on behalf of six co-authors) (2011): Food security: a role for Europe. *Nature (Correspondence)* 480: 39. DOI: 10.1038/480039d. ISI impact factor 2011: 36.280
9. Curado, N., **Hartel, T.**, Arntzen, J.W. (2011): Amphibian pond loss as a function of landscape change – a case study over three decades in an agricultural area of northern France. *Biological Conservation* 5: 1610-1618. DOI: 10.1016/j.biocon.2011.02.011. ISI impact factor 2011: 4.115
10. Fischer, J., Hanspach, J., **Hartel, T.** (2011): Continental-scale ecology needs to be balanced with landscape-scale case studies. *Frontiers in Ecology and the Environment (Letter)* 9: 430. DOI: doi:http://dx.doi.org/10.1890/11.WB.021. Impact Factor 2011: 9.113
11. Fischer, J., Batáry, P., Brussaard, L., Chappell, M.J., Clough, V., Daily, G. C., Dorrough, A. J., **Hartel, T.**, Jackson, L., Klein, A., Kremen, C., Kuemmerle, T., Lindenmayer, D., Mooney, H., Perfecto, I., Philpott, S., Tscharrntke, T., Vandermeer, J., Wagner, T.C., von Wehrden, H. (2011): Conservation: Limits of land sparing. *Science (Letter)* 334: 593. DOI: 10.1126/science.334.6056.593-a. ISI impact factor 2011: 31.201
12. Tryjanowski, P., **Hartel, T.**, Báldi, A., Szymański, P., Tobolka, M., Herzon, I., Goławski, A., Konvicka, M., Hromada, M., Jerzak, L., Kujawa, K., Lenda, M., Orłowski, G., Panek, M., Skórka, P., Sparks, T.H., Tworek, S., Wuczyński, A., Żmihorski, M. (2011): Conservation of farmland birds faces different challenges in Western and Central-Eastern Europe. *Acta Ornithologica* 46: 79-90. DOI: http://dx.doi.org/10.3161/000164511X589857. ISI impact factor 2011: 1.22
13. **Hartel, T.**, Schweiger, O., Öllerer, K., Cogălniceanu, D., Arntzen, J.W. (2010): Amphibian distribution in a traditionally managed rural landscape of Eastern Europe: probing the effect of landscape composition. *Biological Conservation* 143: 1118-1124. DOI: 10.1016/j.biocon.2010.02.006. ISI impact factor 2009: 3.498; Covered e.g. by ScienceDaily and Ecological Society of America.
14. **Hartel, T.**, Nemes, Sz., Öllerer, K., Cogălniceanu, D., Moga, C. I., Arntzen, J.W. (2010): Using connectivity metrics and niche modeling to explore the occurrence of

the Northern crested newt (Amphibia, Caudata) in a traditionally managed landscape. *Environmental Conservation* 37: 195-200. DOI: 10.1017/S037689291000055X. ISI impact factor 2009: 2.00

15. **Hartel, T.**, Öllerer, K., Cogălniceanu, D., Nemes, Sz., Moga, C. I., Demeter, L. (2010): Pond based survey of amphibians in a Saxon cultural landscape from Transylvania (Romania). *Italian Journal of Zoology* 77: 61-70. DOI: 10.1080/11250000802684641. ISI impact factor 2009: 0.843
16. Băncilă, R. I, **Hartel, T.**, Plăiașu, R., Smets, J., and Cogălniceanu, D. (2010): Estimating the body condition of the yellow-bellied toad *Bombina variegata* (Amphibia: Anura). *Amphibia-Reptilia* 34: 558-562. DOI: <http://dx.doi.org/10.1163/017353710X518405>. ISI impact factor 2009: 0.976
17. Moga, C.I, **Hartel, T.**, Öllerer, K., Szapanyos, Á. (2010): Habitat use by the endangered Lesser Grey Shrike *Lanius minor* in the Tarnava Mare Valley, Romania. *Belgian Journal of Zoology* 140: 223-226. ISI impact factor 2009: 0.360
18. Moga, C.I, **Hartel, T.**, Öllerer, K. (2010): Status, habitat use and distribution of the corncrake *Crex crex* in the Saxon landscapes of Southern Transylvania, Romania. *North-Western Journal of Zoology* 6: 63-70. ISI impact factor 2009: 0.659
19. Moga, C.I., Öllerer, K., **Hartel, T.** (2010): The effect of reed burning on the habitat occupancy of passerine species. *North-Western Journal of Zoology* 6: 90-94. ISI impact factor 2009: 0.659
20. Nemes, Sz., **Hartel, T.** (2010): Derivation of variance estimators and statistical inference for indexes of sexual size dimorphism: an example. *Belgian Journal of Zoology* 140: 239-241. ISI impact factor 2009: 0.360
21. Nemes, Sz., **Hartel, T.** (2010): Summary measures for binary classification systems in animal ecology. *North-Western Journal of Zoology* 2: 323-330. ISI impact factor 2009: 0.659
22. Urák, I., **Hartel, T.**, Balog, A. (2010): The influence of Carpathian landscape scale on spider communities. *Archives of Biological Sciences (Belgrade)* 62: 1231-1237. DOI: 10.2298/ABS1004231U. ISI impact factor 2009: 0.356
23. **Hartel, T.**, Moga, C.I, David, A, Coroiu, I. (2009): Pond area – species richness relationships in amphibians and birds. *Community Ecology* 10: 159-164. DOI: 10.1556/ComEc.10.2009.2.4. ISI impact factor 2009: 0.792
24. **Hartel, T.**, Nemes, Sz., Cogălniceanu, D., Öllerer, K., Moga, C. I, Lesbarreres, D., Demeter, L. (2009): Pond and landscape determinants of *Rana dalmatina* population sizes in a Romanian rural landscape. *Acta Oecologica* 35: 53-59. DOI: 10.1016/j.actao.2008.08.002. ISI impact factor 2009: 1.609
25. **Hartel, T.**, Öllerer, K. (2009): Local turnover and factors influencing the persistence of amphibians in permanent ponds from the Saxon landscapes of Transylvania. *North-Western Journal of Zoology* 5: 40-52. ISI impact factor 2009: 0.817

26. Hartel, T., Moga, C.I., Öllerer, K., Puky, M. (2009): Spatial and temporal distribution of amphibian road mortality with a *Rana dalmatina* and *Bufo bufo* predominance along the middle section of the Târnava Mare basin, Romania. North -Western Journal of Zoology 5: 130-141. ISI impact factor 2009: 0.817
27. Moga, C.I., Hartel, T., Öllerer, K. (2009): Ancient oak wood-pasture as a habitat for the endangered Tree Pipit, *Anthus trivialis*. Biologia 64: 1011-1015. DOI: 10.2478/s11756-009-0167-7. ISI impact factor 2009: 0.617
28. Hartel, T. (2008): Within pond variation of the egg deposition site in *Rana dalmatina*. – Biologia 439-443. DOI: 10.2478/s11756-008-0060-9. ISI impact factor 2008: 0.406
29. Hartel, T. (2008): Weather conditions, breeding date and population fluctuation in *Rana dalmatina* from Central Romania. Herpetological Journal 18: 40-44. ISI impact factor 2008: 0.764
30. Hartel, T., Nemes, Sz., Demeter, L., Öllerer, K. (2008): Pond and landscape characteristics: which are more important for the common toad? A case study from central Romania. Applied Herpetology 5: 1-12. DOI: <http://dx.doi.org/10.1163/157075408783489248>. The journal is now canceled, the last ISI impact factor calculated for 2010 is 0.515
31. Hartel, T., Nemes, Sz., Cogălniceanu, D., Öllerer, K., Schweiger, O., Moga, C. I., Demeter, L. (2007): The effect of fish and habitat complexity on amphibians. Hydrobiologia 583: 173-182. DOI: 10.1007/s10750-006-0490-8. ISI impact factor 2007: 1.201
32. Kovács, É. H., Sas, I., Covaciu-Marcov, S.-D., Hartel, T., Cupsa, D., Groza, M. (2007): Seasonal variation in the diet of a *Hyla arborea* population from Romania. Amphibia-Reptilia 28: 485-491. DOI: <http://dx.doi.org/10.1163/156853807782152534>. ISI impact factor 2007: 0.929
33. Demeter, L., Hartel, T. (2006): A rapid survey of the large branchiopods in Romania. –Annales de Limnologie – International Journal of Limnology. 43: 107-111. DOI: 10.1051/limn/2007016. ISI impact factor 2006: 0.579
34. Hartel, T., Nemes, Sz. (2006): Assessing the effect of toe clipping on Yellow Bellied Toads. – Acta Zoologica Academiae Scientiarum Hungaricae 52: 359-366. ISI impact factor 2006: 0.511

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

1. Hartel, T., Moga, C. I., Öllerer, K., Sas, I., Demeter, L., Rusti, D., Balog, A. (2008): A proposal towards the incorporation of spatial heterogeneity into animal distribution studies in Romanian landscapes. – North-Western Journal of Zoology 4: 173-188. (Indexat ISI)

2. **Hartel, T., Sas, I., Pernetta, A., Geltsch, I.** (2007): The reproductive dynamic of temperate amphibians: a review. – North-Western Journal of Zoology 3: 127-145. (Indexat ISI)
3. **Hartel, T.** (2005): Aspects of breeding activity of *Rana dalmatina* and *Rana temporaria* reproducing in a seminatural pond. – North-Western Journal of Zoology 1:5-13.
4. **Hartel, T.** (2003): The breeding biology of *Rana dalmatina* in Târnava-Mare Valley, Romania. – Russian Journal of Herpetology 10(3): 169-175. (Indexat ISI)
5. **Demeter, L., Hartel, T.** (2007): *Rana dalmatina* is missing from the Ciuc basin. North-Western Journal of Zoology, 3: 9-23. (Indexat ISI)
6. **Demeter, L., Hartel, T., Cogălniceanu, D.** (2006): Notes on the spatial distribution and conservation status of amphibians in the Ciuc basin. – Zeitschrift für Feldherpetologie, Supplement 10: 217-224.
7. **Nemes, Sz., Vogrin, M., Hartel, T., Öllerer, K.** (2006): Habitat selection in sand lizard (*Lacerta agilis*): ontogenetic shifts. – North-Western Journal of Zoology 2: 17-26.

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

1. **Hartel, T.** (2007): An experimental study on the abundance effect on tadpole growth, mortality and metamorphosis in *Bombina variegata*. – Biota – Journal of Biology and Ecology 6: 27-34.
2. **Hartel, T., Nemes, Sz., Mara, Gy.** (2007): Spatial and temporal dynamic of pond use by a hybrid fire-bellied toad population: the importance of pond availability and duration. – Acta Zoologica Lituanica 17: 56-63.
3. **Moga, C. I., Hartel, T., Vogrin, M.** (2007): On the passage of the waterfowl at the fish ponds from Brădeni (Romania). – Biota – Journal of Biology and Ecology 6: 43-49.
4. **Hartel, T., Demeter, L., Cogălniceanu, D., Tulbure, M.** (2006): The influence of habitat characteristics on amphibian species richness in two river basins of Romania. – In: Vences, M., Köhler, J., Ziegler, T., Böhme, W. (eds.): Herpetologia Bonnensis II. Proceedings of the 13th Congress of the Societas Europaea Herpetologica, pp. 47-50.
5. **Hartel, T., Moga, C. I., Nemes, Sz.** (2005): Use of temporary ponds by amphibians in a wood pasture, Romania. – Biota – Journal of Biology and Ecology 5: 21-28.
6. **Hartel, T.** (2004): The long-term trend and the distribution of amphibian populations in a seminatural pond in the middle section of the Târnava-Mare Valley (Romania). – Biota – Journal of Biology and Ecology 4(1-2): 25-36.

7. Cogălniceanu, D., **Hartel, T.** (2005): Frost induced mass mortality in a high altitude population of *Rana temporaria*. – *Froglog* 72: 3-4.
8. Cogălniceanu, D., **Hartel, T.**, Plăiașu, R. (2006): Establishing an amphibian monitoring program in two protected areas of Romania. – In: Vences, M., Köhler, J., Ziegler, T., Böhme, W. (eds.): *Herpetologia Bonnensis II. Proceedings of the 13th Congress of the Societas Europaea Herpetologica*, pp. 31-34.
9. Moga, C. I., David, A., **Hartel, T.**, Coroiu, I. (2005): The feeding biology of *Asio otus* in two winter colonies. – *Biota – Journal of Biology and Ecology* 5: 43-48.
10. Moga, C.I., Öllerer, K., **Hartel, T.** (2008): The effect of flooded area size on the feeding of passage avifauna in the Tarnava Mare floodplain, Romania. *Biota – Journal of Biology and Ecology*, 9: 31-36.

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

1. Cogălniceanu, D., **Hartel, T.** (2009): Recent taxonomic changes in herpetology – implications for the conservation and systematics of amphibians in Romania. *Studii și Cercetări, Biologie, Universitatea din Bacău*, 17: 54-58
2. **Hartel, T.**, Moga, C. I. (2008): Incorporating occupancy models in designing studies of animal distribution: a glimpse on the habitat use of an amphibian in the Saxon Landscapes of Transylvania. – *Studia Universitatis Babes-Bolyai, Seria Biologia* 53(2): 19-32.
3. **Hartel, T.**, Moga, C. I. (2007): Population fluctuations and the spatial habitat use by amphibians in a human modified landscape. – *Studia Universitatis Babes-Bolyai, Seria Biologia* 2: 19-32.
4. Moga, C. I., Öllerer, K., **Hartel, T.** (2007): The Breeding avifauna of the Breite Plateau Natural Reserve and the surrounding forest. – *Studia Universitatis Babes-Bolyai, Seria Biologia* 52(2): 33-43.

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

1. **Hartel, T.**, Öllerer, K., Farczády, L., Moga, C. I., Băncilă, R. (2008): Using species detectability to infer distribution, habitat use and absence of a cryptic species: the smooth snake (*Coronella austriaca*) in Saxon Transylvania. – *Acta Scientiarum Transylvanica* 16: 24-38.
2. **Hartel, T.**, Öllerer, K. (2008): How many populations are there? On the need of delimiting amphibian populations. – *Acta Siculica*: 99-114.
3. Cogălniceanu, D., Băncilă, R., Samoilă, C., **Hartel, T.**, Tudor, M. (2007): The herpetofauna of the Maramureș Mountains Natural Park. *ENSFI Conference Proceedings. Baia Mare, Romania*. pp. 300-305.

4. **Hartel, T.**, and Nemes, Sz. (2007): Lack of adaptive phenotypic plasticity in *Rana temporaria* larvae caused by starvation: an experimental demonstration. – *Acta Siculica*, pp. 143-148.
5. **Hartel, T.**, Öllerer, K., Moga, C. I. (2007): Regional distribution, dynamic and determinants of breeding pond use of *Pelobates fuscus* in the middle section of the Târnava Mare basin. – *Transylvanian Review of Ecological and Systematical Research* 4: 149-158.
6. **Hartel, T.**, Öllerer, K., Nemes, Sz. (2007): Critical elements for biologically based management plans for amphibians in the middle section of the Târnava Mare basin. – *Acta Scientiarum Transylvanica* 15: 109-132
7. **Hartel, T.**, Demeter, L. (2005): The breeding migration and population characteristics of a common toad (*Bufo bufo*) population in Târnava Valley, Romania. – *Transylvanian Review of Ecological and Systematical Research* 2: 145-154.
8. **Hartel, T.**, Cogălniceanu, D. (2005): Experimental study of the hormonal control of egg deposition in *Triturus vulgaris*. – *Scientific Annals of the Danube Delta Institute* 11: 34 - 38.
9. Plăiașu, R., **Hartel, T.**, Băncilă, R. I., Cogălniceanu, D. (2005): The use of digital images for individual identification of amphibians. – *Studii și Cercetări – Biologie, Univ. Bacău* 10: 137-140.
10. **Hartel, T.** (2003): Amphibian decline: some hypotheses. – *Acta Siculica* 1: 43-56.
11. **Hartel, T.** (2003): The breeding activity of *Triturus vulgaris* in two temporary ponds in Târnava Mare valley. – *Acta Siculica* 1: 57-64.
12. Ghira, I., Venczel, M., Covaciu-Marcov, S. D., Mara, Gy., Ghile, P., **Hartel, T.**, Török, Zs., Rácz, T., Farkas, Z., Brad, T. (2002): Mapping of Transylvanian herpetofauna. – *Nymphaea* 29: 145-201.
13. **Hartel, T.** (2001): On the feeding behavior of *Salamandra salamandra*. – *ACTA Hargitensia* 8: 115-120. (in Hungarian)
14. **Hartel, T.** (2001): Factors jeopardizing amphibians in Mures County. – *ACTA Hargitensia* 8: 121-126.
15. Krecsák L., **Hartel, T.** (2001): New data on the distribution of *Ablepharus kitaibelii* in Romania. – *ACTA Hargitensia* 8: 111-113.
16. Demeter, L., **Hartel, T.** (1999): On the breeding migration of Common Toad (*Bufo bufo*) on Sighisoara. – *ACTA Hargitensia* 4: 99-102.

C6. Lucrări științifice publicate în volumele manifestărilor științifice

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

E. Editare, coordonare de volume

F. Invenții

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

2004: „Factorii care influențează folosirea habitatelor de reproducere pe în porțiunea mijlocie a Bazinului Târnavei Mari și partea de sus a bazinului Oltului” - Declining Amphibian Population Task Force (DAPTF), leader de proiect.

2004-2005: A „Înventarierea amfivienilor și a reptilelor din Geoparcul din Hațeg” - Rufford Small Grant for Nature Conservation, leader Dr. Dan Cogălniceanu.

2004-2006: „Evaluarea efectelor schimbării climatice de-a lungul unui gradient altitudinal pe specia Rana temporaria în Parcul Național Retezat” - C.N.C.S.I.S. leader proiect, Dr. Dan Cogălniceanu.

2005: „Distribuția și statutul de protecție a cârstelului în porțiunea mijlocie a bazinului Târnavă Mare” - British Ornithological Union, leader de proiect Dr. Cosmin Ioan Moga.

2007-2008: „Conservarea păsărilor din peisajele agrare din podișul târnavelor” - Rufford Small Grant for Nature Conservation. Leader Proiect, Dr. Cosmin Ioan Moga. 2011-2014: “For nature and local communities - the basis for a Natura 2000 integrated management in Hârtibaciu -Târnavă Mare - Olt area” – POS Mediu, leader de proiect WWF România.

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

I. Premii, distincții.

2012: Premiul “Grigore Antipa” al Academiei Române pentru un set de 6 lucrări privind conservarea biodiversității în contextual intensificării agriculturii. Premiul a fost luat împreună cu Kinga Öllerer, Cosmin Ioan Moga și Dan Cogălniceanu.

J. Citări

Conform ISI web of Science (20 Decembrie, 2012):

- total: 128
- fără auto citări: 94
- index “h”: 8

Conform Scopus (20 Decembrie, 2012):

- total: 190
- index "h": 8 (fără auto-citări: 7)

Conform Google Scholar (20 Decembrie, 2012):

- total: 390
- index "h": 11
- index h10: 16

K. Alte realizări semnificative. Participări la conferințe naționale și internaționale (cele la care ați susținut comunicări)

Am organizat împreună cu Prof. András Báldi simpozionul „Land sparing versus land sharing: an European perspective” cu ocazia congresului internațional al Society for Conservation Biology – Europe Section, Glasgow, 2012. În cadrul acestui simpozion am ținut prezentarea: „Traditional social-ecological systems and the agricultural production strategies”

2012: Am ținut prezentarea intitulată „Wood-pastures from Southern Transylvania (Romania): assessment and threats” în cadrul conferinței anuale a GFÖ (Gesellschaft für Ökologie – Ecological Society of Germany, Switzerland and Austria) organizat la Universitatea Leuphana – Lüneburg, Germania.

2012: la invitația profesorului Teja Tscharntke de la Universitatea Georg-August din Goettingen am susținut conferința „Biological conservation in traditional rural landscapes: a social-ecological approach”.

Data,

Lüneburg, 29 Ianuarie 2012

Semnătura:

Dr. Tibor Hartel

