MINISTERUL EDUCAȚIEI
UNIVERSITATEA OVIDIUS DIN CONSTANȚA
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AVIZAT IOSUD

Nr. înreg._____/_____

AVIZAT RECTOR
Conf.univ.dr. Dan Marcel ILIESCU

FIŞA DE VERIFICARE
a îndeplinirii standardelor minimale în vederea obţinerii atestatului de abilitare conform anexei nr. 19 din Ordinul Ministrului Educaţiei Naţionale şi Cercetării Ştiinţifice nr. 6129/20.12.2016

Domeniul: **Biologie**
Nume si prenume candidat: **HARTEL Rudolf-Tiberiu**

A. Condiții preliminare obligatorii	
1. Calificarea profesională: titlul de Doctor (sau/şi Abilitare) în specialitatea disciplinei postului sau foarte înrudită cu aceasta	**Îndeplinit** – titlul de Doctor în domeniul Biologie, certificat prin O.M. 3439 din 12.03.2008 (Anexa 1).
2. Articole ştiinţifice ca autor principal: - pentru Profesor (CS I; Abilitare): minimum 4 articole în reviste cotate ISI cu AIS cumulat mai mare sau egal cu 4, din care 2 în ultimii 5 ani.	**Îndeplinit** **45** articole în reviste cotate ISI cu **AIS** cumulat de **40,93** ca autor principal, din care **12** în ultimii 5 ani cu **AIS** cumulat de **15,8,** din care **11** cu AIS mai mare de **0,3.**
1. Morariu, SD; Macicasan, V; Malos, CV; **Hartel, T** (2023), Mapping biodiversity and cultural values complemented with understanding of social dynamics provides effective means for addressing opportunities for nature conservation in a cultural landscape, FRONTIERS IN ENVIRONMENTAL SCIENCE, vol.11, DOI10.3389/fenvs.2023.1197866, IF-4.6, **AIS=1.16** https://www.webofscience.com/wos/woscc/full-record/WOS:000979130200001 2. **Hartel, T**., Fischer, J., Shumi, G, Apollinaire, W. (2023) The Traditonal Ecological Knowledge conundrum. Trends in Ecology and Evolution, 38 (3): 211-214. (IF=20.58), **AIS=5.13,** https://www.webofscience.com/wos/woscc/full-record/WOS:000950794800001	

3. Papp, CR ; Scheele, B Rakosy, L ; Hartel, T (2022), Transdisciplinary deficit in large carnivore conservation funding in Europe, NATURE CONSERVATION-BULGARIA, DOI10.3897/natureconservation.49.81469, IF-1.6, **AIS=0.55**
https://www.webofscience.com/wos/woscc/full-record/WOS:000873490600001
4. Erős, N., Török, Z., Hossu, A., Réti, K.O., Malos, C., Kecskés, P., Morariu, D. Benedek, J., **Hartel, T.** (2022). Assessing the sustainability related concepts of Urban Development Plans in Eastern Europe: a case study of Romania., Sustainable Cities and Societies, (IF=10.60), **AIS=1.25**
https://www.webofscience.com/wos/woscc/full-record/WOS:000838106700001
5. Sevianu, E, Malos, C.V., Arghius, V., Brisan, N., Badarau, AS., Moga, M.C., Muntean, L., Raulea, A., and **Hartel, T**. (2021). Mainstreaming Ecosystem Services and Biodiversity in Peri-Urban Forest Park Creation: Experience From Eastern Europe. *Front. Environ. Sci.* 9:618217.doi: 10.3389/fenvs.2021.618217 (IF=4.58), **AIS=1.14**
https://www.webofscience.com/wos/woscc/full-record/WOS:000649796300001
6. 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=5.39) **AIS=0.96**
https://www.webofscience.com/wos/woscc/full-record/WOS:000598929300005
7. **Hartel, T.,** Scheele, B., Royzlowicy, L., Horcea-Milcu, A., Cogalniceanu, D. (2020). The social context for conservation: Amphibians in human modified landscapes. *Journal for Nature Conservation* 53: 125762. (IF=2.40) **AIS=0.59**
https://www.webofscience.com/wos/woscc/full-record/WOS:000507643800008
8. **Hartel, T.,** Nita, A., Rozylowicz, L. (2020). Understanding human-nature connections through value networks: the case of ancient wood-pastures from Central Romania. Sustainability Science, 15 1357–1367 (IF=4.66) **AIS=1.12**
https://www.webofscience.com/wos/woscc/full-record/WOS:000530168700001
9. Erős, N., Malos, 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, in press. (IF=2.40) **AIS=0.7**
https://www.webofscience.com/wos/woscc/full-record/WOS:000536928400009
10. **Hartel T.,** Scheele B.C., Vanak A.T., Rozylowicz L., Linnell J.D.C., Ritchie E.G. (2019) Mainstreaming large carnivore-human coexistence through institutional collaboration. *Conservation Biology* 33(6): 1256-1265. [IF = 6.19] https://theconversation.com/academia-can-help-humans-and-large-carnivores-coexist-115467) **AIS=2.08**
https://www.webofscience.com/wos/woscc/full-record/WOS:000495818000003
11. Rozylowicz L., Nita A., Manolache S., Popescu V.D., **Hartel T**. (2019) Navigating protected areas networks for improving diffusion of conservation practices. Journal of Environmental Management 230: 413-421. [IF=4.17], **AIS=0.92**
https://www.webofscience.com/wos/woscc/full-record/WOS:000452582600040
12. Craioveanu, O., Craioveanu, C., Ghira, I., Miresan, V., **Hartel, T.** (2019) Does carnivory pay off? Experiments on the effects of different types of diet on growth and development of Bufo bufo (Linnaeus, 1758) tadpoles and carry over effects after metamorphosis. Herpetozoa 32: 21-31. [IF=1.12] **AIS=0.2**

https://www.webofscience.com/wos/woscc/full-record/WOS:000471808100004

13. **Hartel, T.,** Hanspach, J., Moga, C.I., Holban, L., Szapanyos, A., Tamas, R., Horvath, Cs., Reti, K.O. (2018): Abundance of large old trees in wood-pastures of Transylvania (Romania). *Science of the Total Environment* 613: 263-270. IF = 4.9, **AIS=1.06**
https://www.webofscience.com/wos/woscc/full-record/WOS:000414160500028
14. **Hartel, T.,** KO Reti, Craioveanu, C. (2017): Valuing scattered trees from wood-pastures by farmers in a traditional rural region of Eastern Europe. Agriculture, Ecosystems and Environment, 236: 304-311. IF = 4.09, **AIS=1.09**
https://www.webofscience.com/wos/woscc/full-record/WOS:000392886700030
15. Tölgyesi, C., Batori, Z., Galle, R., Urak. I., **Hartel, T.** (2018) Shrub Encroachment Under the Trees Diversifies the Herb Layer in a Romanian Silvopastoral System. Rangeland Ecology & Management, The Society for Range Management,. IF = 1.9, **AIS=0.51**
https://www.webofscience.com/wos/woscc/full-record/WOS:000446859300007
16. Gallé, R., Urak, I., Szpisjak, N, **Hartel, T.** (2017) Sparse trees and shrubs confers a high biodiversity to pastures: Case study on spiders from Transylvania. *PLoS ONE*, 12(9). IF=2.7, **AIS=1**
https://www.webofscience.com/wos/woscc/full-record/WOS:000446859300003
17. Moga, C.I., Samoilă, C., Öllerer, K., Bancila, R., Reti, K.O., Craioveanu, C., Poszet, Sz., Rakosy, L., **Hartel, T.** (2016): Environmental determinants of the old oaks in wood-pastures from a changing traditional social–ecological system of Romania. *Ambio* 45: 480. IF: 2.55, **AIS=1.2**
https://www.webofscience.com/wos/woscc/full-record/WOS:000373744900008
18. Sutcliffe, L., Batary, P., Kormann, U., Baldi, A., *et al.* including **Hartel, T.** (2015): Harnessing the biodiversity value of Central and Eastern European farmland. *Diversity and Distributions* 21: 722-730. IF = 3.66, **AIS=2.1**
https://www.webofscience.com/wos/woscc/full-record/WOS:000354186200011
19. Scheele, B. C., Driscoll, D. A., Fischer, J., Fletcher, A. W., Hanspach, J., Vörös, J. and **Hartel, T.** (2015), Landscape context influences chytrid fungus distribution in an endangered European amphibian. Animal Conservation, 18: 480–488. doi:10.1111/acv.12199. IF: 2.78, **AIS=1.1**
https://www.webofscience.com/wos/woscc/full-record/WOS:000363471300013
Scheele, B., Boyd, C., Fischer, J., Fletcher, A.W., Hanspach, J., **Hartel, T.** (2014): Identifying core habitat before it's too late: The case of Bombina variegata, an internationallyendangered amphibian in Europe. *Biodiversity and Conservation* 23: 775-780: 2.065, **AIS=0.9**
https://www.webofscience.com/wos/woscc/full-record/WOS:000331734800016
20. Popescu VD, Rozylowicz L, Niculae IM, Cucu AL, **Hartel T.** (2014): Species, Habitats, Society: An Evaluation of Research Supporting EU's Natura 2000 Network. PLoS ONE 9(11): e113648. https://doi.org/10.1371/journal.pone.0113648, **AIS=1.2**
https://www.webofscience.com/wos/woscc/full-record/WOS:000346906600068
21. **Hartel, T.,** Hanspach, J., Abson, D., Mathe, O., Moga, C.I., Fischer, J. (2014): Bird communities in traditional wood-pastures with changing management in Eastern Europe. *Basic and Applied Ecology* 15: 385-395. ISI impact factor 2013: 2.38, **AIS=1**
https://www.webofscience.com/wos/woscc/full-record/WOS:000341355200003

22. **Hartel, T**., J. Fischer, C. Câmpeanu, A. I. Milcu, J. Hanspach, and I. Fazey. (2014): The importance of ecosystem services for rural inhabitants in a changing cultural landscape in Romania. *Ecology and Society* **19**(2): 42. http://dx.doi.org/10.5751/ES-06333-190242 (IF=3.5), **AIS=1.3**
https://www.webofscience.com/wos/woscc/full-record/WOS:000338711600020
23. **Hartel, T.,** Sos, T., Popescu, V., Cogalniceanu, D., Bancila, R., Rozylowicz, L. (2014): Amphibian conservation in traditional cultural landscapes: the case of Central Romania. *North-Western Journal of Zoology*, in press. ISI impact factor 2013: 0.6, **AIS=0.21**
https://www.webofscience.com/wos/woscc/full-record/WOS:000347656100009
24. Bancila, R., Cogalniceanu, D., Plaiasu, R., Tudor, M., Cazacu, C., **Hartel, T.** (2014) Comparative performance of incidence-based estimators of species richness in temperate zone herpetofauna inventories. *Ecological Indicators* 45: 219-226. ISI impact factor 2013: 3.23, **AIS=0.9**
https://www.webofscience.com/wos/woscc/full-record/WOS:000340312100024
25. **Hartel, T.,** Dorresteijn, I., Klein, C., Máthé, O., Moga, C.I., Öllerer, K., Roellig, M., von Wehrden, H., Fischer, J. (2013): Wood-pastures from a traditional rural region of Eastern Europe: characteristics, biodiversity and threats. *Biological Conservation,* 166: 267-275. IF = 3.5, **AIS=1.6**
https://www.webofscience.com/wos/woscc/full-record/WOS:000328523900029
26. **Hartel, T.,** von Wehrden, H. (2013): Farmed Areas Predict the Distribution of Amphibian Ponds in a Traditional Rural Landscape. PLoS ONE 8(5): e63649. doi:10.1371/journal.pone.0063649. ISI impact factor 2012: 3.73, **AIS=1.4**
https://www.webofscience.com/wos/woscc/full-record/WOS:000319330200059
27. **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: 3.082, **AIS=1.2**
https://www.webofscience.com/wos/woscc/full-record/WOS:000296061400008
28. 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 2010: 8.820, **AIS=2**
https://www.webofscience.com/wos/woscc/full-record/WOS:000295910900013
29. 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: 1.014, **AIS=0.4**
https://www.webofscience.com/wos/woscc/full-record/WOS:000293082400001
30. **Hartel, T.,** Nemes, Sz., Öllerer, K., Cogalniceanu, D., 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,* (IF=1.541), **AIS=0.9**
https://www.webofscience.com/wos/woscc/full-record/WOS:000282491600010

31. **Hartel, T.,** Schweiger, O., Öllerer, K., Cogalniceanu, 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 (IF = 3.167), **AIS=1.3**
https://www.webofscience.com/wos/woscc/full-record/WOS:000278427700012
32. **Hartel, T.,** Öllerer, K., Cogălniceanu, D., Nemes, Sz., Moga, C.-I., Demeter, L. (2010): Pond-based survey of amphibians in a Saxon cultural landscape form Transylvania (Romania). *Italian Journal of Zoology,* 77(1): 61-70 (IF=0.800),. *Italian Journal of Zoology,* 77(1): 61-70 (IF=0.800), **AIS=0.2**
https://www.webofscience.com/wos/woscc/full-record/WOS:000278866700008
33. 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:* (IF = 0.817), **AIS=0.16**
https://www.webofscience.com/wos/woscc/full-record/WOS:000278602300011
34. 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. (IF=0.469), **AIS=0.2**
https://www.webofscience.com/wos/woscc/full-record/WOS:000290064000007
35. Nemes, Sz., **Hartel, T.** (2010). Summary measures of binary classification systems in animal ecology. *North-Western Journal of Zoology* 6: 323-330 (IF = 0.817), **AIS=0.16**
https://www.webofscience.com/wos/woscc/full-record/WOS:000286358100020
36. **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 (IF = 0.817)*,* **AIS=0.14**
https://www.webofscience.com/wos/woscc/full-record/WOS:000266997900007
37. **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. (IF = 0.817), **AIS=0.14**
https://www.webofscience.com/wos/woscc/full-record/WOS:000266997900015
38. **Hartel, T.,** Moga, C.I., David, A., Coroiu, I. (2009): Pond area – species richness relationships in amphibians and birds. *Community Ecology* 10: 159-164 (IF=0.792) , **AIS=0.2**
https://www.webofscience.com/wos/woscc/full-record/WOS:000272954800004
39. **Hartel, T.,** Nemes, Sz., Cogalniceanu, D., Öllerer, K., Moga, C. I., D. Lesbarreres, L. Demeter. (2009): Pond and landscape determinants of *Rana dalmatina* population sizes in a Romanian rural landscape. *Acta Oecologica* 35: 53-59. (IF=1.609), **AIS=0.5**
https://www.webofscience.com/wos/woscc/full-record/WOS:000262976500007
40. **Hartel, T.** (2008): Within pond variation of the egg deposition site in *Rana dalmatina*. – *Biologia* 3: 439-443. (IF = 0.406), **AIS=0.1**
https://www.webofscience.com/wos/woscc/full-record/WOS:000256079800022

41. **Hartel, T**. (2008): Weather conditions, breeding date and population fluctuation in *Rana dalmatina* from Central Romania. – *Herpetological Journal* 18: 40-44. (IF = 0.764) , **AIS=0.33** https://www.webofscience.com/wos/woscc/full-record/WOS:000256079800022 42. **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. (IF = 1.201), **AIS=0.5** https://www.webofscience.com/wos/woscc/full-record/WOS:000245358700013 43. **Hartel, T.,** Nemes, Sz. (2006): Assessing the effect of toe clipping on Yellow Bellied Toads. – *Acta Zoologica Academiae Scientiarum Hungaricae* 52(4): 359-366. (IF = 0.511), **AIS=0.03** https://www.webofscience.com/wos/woscc/full-record/WOS:000243664700002 44. Demeter, L., **Hartel, T.** (2006): A rapid survey of the large branchiopods in Romania. – *Annales de Limnologie – International Journal of Limnology.* 43: 107-111. (IF = 0.579), **AIS=0.1** https://www.webofscience.com/wos/woscc/full-record/WOS:000247808000004	
3. Coordonare proiecte de cercetare obţinute prin competiţie naţională sau internaţională: - pentru Profesor (CS I; Abilitare): minimum două granturi naţionale în calitate de director (sau responsabil de proiect în cazul parteneriatelor) sau unul naţional (în calitate de director) şi unul internaţional (în calitate de responsabil naţional); se exclud burse de studiu, granturi pentru participare la congrese, proiecte din finantarea de baza de ex. Programul Nucleu.	Îndeplinit **Project leader** 2022-2023: The wood-pastures of Romania: ecology, agricultural perspectives, and sustainable integration into cultural landscape management. Project funded by the German Federal Environmental Foundation (Deutsche Bundesstiftung Umwelt DBU). EUR: 68000. Research project ethically approved by the Babes-Bolyai University (approval no. 1347/2023). The project involves a research team. 2016-2019: "STACCATO (Sustaining Agricultural Change Through Ecological Engineering and Optimal Use of Natural Resources). Biodiversa funded project. EUR: 54000. The project involves a research team. 2012-2013: "The ecological and cultural values of ancient wood-pastures in Transylvania, Romania. Funded by the Alexander von Humboldt Shifting, Germany. Postdoctoral project.

	2004: "The factors influencing breeding habitat use of the amphibians in the middle Târnava Mare Valley and upper Olt River Valley, Romania". Funded by Declining Amphibian Populations Task Force. Results published in Hydrobiologia, Biological Conservation, Herpetological Journal, Environmental Conservation. **Formal project tutor** 2020-2022: "COEXIST (Co-creating change: experimenting with values for sustainability transformation)". Project lead by Dr. Andra Horcea-Milcu, Marie Skłodowska-Curie Individual Fellowship, Horizon 2020. EUR: 141778. **Project member** 2019-2020: "URBFORDAN - Management and Utilization of Urban Forests as Natural Heritage in Danube Cities". Project lead by Cluj Metropolitan Area and the City Hall Cluj-Napoca with Babes-Bolyai University as parthner. (project leader from Babes-Bolyai University: Dr. Cristian Malos). 2017-2019: "2017-2019: A social network approach for assessing sustainability of traditionally managed grasslands in a policy-driven management context" PN-III-P4-ID-PCE-2016-0483, UEFISCDI. (led by Prof Laurentiu Rozylowicz, University of Bucharest) 2014-2018: "AGFORWARD (AGroFORestry that Will Advance Rural Development)" Funded by the EU`s FP7 "Research and Technological Development". (Led by Prof. Paul Burgess, University of Cranfield, UK) 2009-2010: „Implication of the local communities in the conservation of wood-

	pastures with ancient oaks in the Saxon villages of Transylvania". Project implementation: Mihai Eminescu Trust. Led by Cosmin Ioan Moga, Mihai Eminescu Trust, T. Hartel being Scientific Director.

B. Criterii şi standarde minimale

C.1. Evaluarea activității de cercetare

Standarde minimale pentru abilitare	**Rezultate**
Recunoaștere internațională – minim 150	Îndeplinit - **1673.21**
Performanța totală – minim 250	Îndeplinit – **3575.46**

Detalierea modului de calcul

1. Recunoaștere internațională - Articole în reviste cotate ISI, ca autor principal

Articol	**AIS cf. JCR la 07.07.2023**	**Nr. citări fără autocitări cf. WOS la 07.07.2023**	**Formula de calcul 1x[4+(7xAIS)+c]**
Morariu, SD; Macicasan, V; Malos, CV; **Hartel, T** (2023), Mapping biodiversity and cultural values complemented with understanding of social dynamics provides effective means for addressing opportunities for nature conservation in a cultural landscape, FRONTIERS IN ENVIRONMENTAL SCIENCE, vol.11, DOI10.3389/fenvs.2023.1197866, IF-4.6, https://www.webofscience.com/wos/woscc/full-record/WOS:000979130200001	**1.16**	1	1x[4+(7x1.16)+1] = **13.12**
Hartel, T., Fischer, J., Shumi, G, Apollinaire, W. (2023) The Traditonal Ecological Knowledge conundrum. Trends in Ecology and Evolution, 38 (3): 211-214. (IF=20.58),	**5.13**	2	1x[4+(7x5.13)+2] = **41.91**
Papp, CR ; Scheele, B Rakosy, L ; **Hartel, T** (2022), Transdisciplinary deficit in large	**0.55**	4	1x[4+(7x0.55)+4] = **11.85**

carnivore conservation funding in Europe, NATURE CONSERVATION-BULGARIA, DOI10.3897/natureconservation.49.81469, IF-1.6			
Erős, N., Török, Z., Hossu, A., Réti, K.O., Malos, C., Kecskés, P., Morariu, D. Benedek, J., **Hartel, T.** (2022). Assessing the sustainability related concepts of Urban Development Plans in Eastern Europe: a case study of Romania., Sustainable Cities and Societies, (IF=10.60), https://www.webofscience.com/wos/woscc/full-record/WOS:000838106700001	**1.25**	2	1x[4+(7x1.25)+2] = **14.75**
Sevianu, E, Malos, C.V., Arghius, V., Brisan, N., Badarau, AS., Moga, M.C., Muntean, L., Raulea, A., and **Hartel, T**. (2021). Mainstreaming Ecosystem Services and Biodiversity in Peri-Urban Forest Park Creation: Experience From Eastern Europe. *Front. Environ. Sci.* 9:618217.doi: 10.3389/fenvs.2021.618217 (IF=4.58) https://www.webofscience.com/wos/woscc/full-record/WOS:000649796300001	**1.14**	1	1x[4+(7x1.14)+1] = **12.98**
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=5.39) https://www.webofscience.com/wos/woscc/full-record/WOS:000598929300005	**0.96**	11	1x[4+(7x0.96)+11] = **21.72**
Hartel, T., Scheele, B., Royzlowicy, L., Horcea-Milcu, A., Cogalniceanu, D. (2020). The social context for conservation: Amphibians in human modified landscapes. *Journal for Nature Conservation* 53: 125762. (IF=2.40) https://www.webofscience.com/wos/woscc/full-record/WOS:000507643800008	**0.59**	6	1x[4+(7x0.59)+6] = **14.13**
Hartel, T., Nita, A., Rozylowicz, L. (2020). Understanding human-nature connections through value networks: the case of ancient wood-pastures from Central Romania. Sustainability Science, 15 1357–1367 (IF=4.66) https://www.webofscience.com/wos/woscc/full-record/WOS:000530168700001	**1.12**	13	1x[4+(7x1.12)+13] = **24.84**

Erős, N., Malos, 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, in press. (IF=2.40) https://www.webofscience.com/wos/woscc/full-record/WOS:000536928400009	**0.7**	3	1x[4+(7x0.7)+3] = **11.9**
Hartel T., Scheele B.C., Vanak A.T., Rozylowicz L., Linnell J.D.C., Ritchie E.G. (2019) Mainstreaming large carnivore-human coexistence through institutional collaboration. *Conservation Biology* 33(6): 1256-1265. [IF = 6.19] https://theconversation.com/academia-can-help-humans-and-large-carnivores-coexist-115467) https://www.webofscience.com/wos/woscc/full-record/WOS:000495818000003	**2.08**	34	1x[4+(7x2.08)+ 34] = **52.56**
Rozylowicz L., Nita A., Manolache S., Popescu V.D., **Hartel T**. (2019) Navigating protected areas networks for improving diffusion of conservation practices. Journal of Environmental Management 230: 413-421. [IF=4.17], https://www.webofscience.com/wos/woscc/full-record/WOS:000452582600040	**0.92**	20	1x[4+(7x0.92)+ 20] = **30.44**
Craioveanu, O., Craioveanu, C., Ghira, I., Miresan, V., **Hartel, T.** (2019) Does carnivory pay off? Experiments on the effects of different types of diet on growth and development of Bufo bufo (Linnaeus, 1758) tadpoles and carry over effects after metamorphosis. Herpetozoa 32: 21-31. [IF=1.12] https://www.webofscience.com/wos/woscc/full-record/WOS:000471808100004	**0.2**	1	1x[4+(7x0.2)+1] = **6.40**
Hartel, T., Hanspach, J., Moga, C.I., Holban, L., Szapanyos, A., Tamas, R., Horvath, Cs., Reti, K.O. (2018): Abundance of large old trees in wood-pastures of Transylvania (Romania). *Science of the Total Environment* 613: 263-270. IF = 4.9, https://www.webofscience.com/wos/woscc/full-record/WOS:000392886700030	**1.06**	24	1x[4+(7x1.06)+ 24] = **35.42**
Hartel, T., KO Reti, Craioveanu, C. (2017): Valuing scattered trees from wood-pastures by farmers in a traditional rural region of Eastern	**1.09**	27	1x[4+(7x1.09)+ 27] = **38.63**

Europe. Agriculture, Ecosystems and Environment, 236: 304-311. IF = 4.09, https://www.webofscience.com/wos/woscc/full-record/WOS:000446859300007			
Tölgyesi, C., Batori, Z., Galle, R., Urak. I., **Hartel, T.** (2018) Shrub Encroachment Under the Trees Diversifies the Herb Layer in a Romanian Silvopastoral System. Rangeland Ecology & Management, The Society for Range Management,. IF = 1.9 https://www.webofscience.com/wos/woscc/full-record/WOS:000446859300007	**0.51**	12	1x[4+(7x0.51)+12] = **19.57**
Hartel, T; Fagerholm, N; Torralba, M; Balazsi, A; Plieninger, T (2018), Forum: Social-Ecological System Archetypes for European Rangelands, RANGELAND ECOLOGY & MANAGEMENT, vol. 71/5 [IF=2.3] https://www.webofscience.com/wos/woscc/full-record/WOS:000446859300003	**0.51**	24	1x[4+(7x0.51)+24] = **13.57**
Gallé, R., Urak, I., Szpisjak, N, **Hartel, T.** (2017) Sparse trees and shrubs confers a high biodiversity to pastures: Case study on spiders from Transylvania. *PLoS ONE*, 12(9). [IF=2.7] https://www.webofscience.com/wos/woscc/full-record/WOS:000410001100024	**1**	18	1x[4+(7x1)+18] = **29.00**
Moga, C.I., Samoilă, C., Öllerer, K., Bancila, R., Reti, K.O., Craioveanu, C., Poszet, Sz., Rakosy, L., **Hartel, T.** (2016): Environmental determinants of the old oaks in wood-pastures from a changing traditional social–ecological system of Romania. *Ambio* 45: 480. [IF: 2.55] https://www.webofscience.com/wos/woscc/full-record/WOS:000373744900008	**1.2**	24	1x[4+(7x1.2)+24] = **36.40**
Sutcliffe, L., Batary, P., Kormann, U., Baldi, A., *et al.* including **Hartel, T.** (2015): Harnessing the biodiversity value of Central and Eastern European farmland. *Diversity and Distributions* 21: 722-730. [IF = 3.66] https://www.webofscience.com/wos/woscc/full-record/WOS:000354186200011	**2.1**	155	1x[4+(7x2.1)+155] = **173.70**
Scheele, B. C., Driscoll, D. A., Fischer, J., Fletcher, A. W., Hanspach, J., Vörös, J. and **Hartel, T.** (2015), Landscape context influences chytrid fungus distribution in an endangered European amphibian. Animal	**1.1**	25	1x[4+(7x1.1)+25] = **36.70**

Conservation, 18: 480–488. doi:10.1111/acv.12199.[IF: 2.78] https://www.webofscience.com/wos/woscc/full-record/WOS:000363471300013			
Scheele, B., Boyd, C., Fischer, J., Fletcher, A.W., Hanspach, J., **Hartel, T.** (2014): Identifying core habitat before it's too late: The case of Bombina variegata, an internationallyendangered amphibian in Europe. *Biodiversity and Conservation* 23: 775-780: [IF=2.065] https://www.webofscience.com/wos/woscc/full-record/WOS:000331734800016	**0.9**	20	1x[4+(7x0.9)+20] = **37.30**
Popescu VD, Rozylowicz L, Niculae IM, Cucu AL, **Hartel T.** (2014): Species, Habitats, Society: An Evaluation of Research Supporting EU's Natura 2000 Network. PLoS ONE 9(11): e113648. https://doi.org/10.1371/journal.pone.0113648 https://www.webofscience.com/wos/woscc/full-record/WOS:000346906600068	**1.2**	72	1x[4+(7x1.20)+72] = **84.40**
Hartel, T., Hanspach, J., Abson, D., Mathe, O., Moga, C.I., Fischer, J. (2014): Bird communities in traditional wood-pastures with changing management in Eastern Europe. *Basic and Applied Ecology* 15: 385-395. ISI impact factor 2013: [IF=2.38] https://www.webofscience.com/wos/woscc/full-record/WOS:000341355200003	**1**	40	1x[4+(7x1)+40] = **51.00**
Hartel, T., J. Fischer, C. Câmpeanu, A. I. Milcu, J. Hanspach, and I. Fazey. (2014): The importance of ecosystem services for rural inhabitants in a changing cultural landscape in Romania. *Ecology and Society* **19**(2): 42. http://dx.doi.org/10.5751/ES-06333-190242 (IF=3.5) https://www.webofscience.com/wos/woscc/full-record/WOS:000338711600020	**1.3**	85	1x[4+(7x1.3)+85] = **98.10**
Hartel, T., Sos, T., Popescu, V., Cogalniceanu, D., Bancila, R., Rozylowicz, L. (2014): Amphibian conservation in traditional cultural landscapes: the case of Central Romania. *North-Western Journal of Zoology*, in press. ISI impact factor 2013: 0.6 https://www.webofscience.com/wos/woscc/full-record/WOS:000347656100009	**0.21**	10	1x[4+(7x0.21)+10] = **15.47**

Bancila, R., Cogalniceanu, D., Plaiasu, R., Tudor, M., Cazacu, C., **Hartel, T.** (2014) Comparative performance of incidence-based estimators of species richness in temperate zone herpetofauna inventories. *Ecological Indicators* 45: 219-226. ISI impact factor 2013: 3.23, https://www.webofscience.com/wos/woscc/full-record/WOS:000340312100024	**0.9**	5	1x[4+(7x0.9)+5] = **15.30**
Hartel, T., Dorresteijn, I., Klein, C., Máthé, O., Moga, C.I., Öllerer, K., Roellig, M., von Wehrden, H., Fischer, J. (2013): Wood-pastures from a traditional rural region of Eastern Europe: characteristics, biodiversity and threats. *Biological Conservation,* 166: 267-275. IF = 3.5 https://www.webofscience.com/wos/woscc/full-record/WOS:000328523900029	**1.6**	97	1x[4+(7x1.6)+97] = **112.20**
Hartel, T., von Wehrden, H. (2013): Farmed Areas Predict the Distribution of Amphibian Ponds in a Traditional Rural Landscape. PLoS ONE 8(5): e63649. doi:10.1371/journal.pone.0063649. ISI impact factor 2012: 3.73 https://www.webofscience.com/wos/woscc/full-record/WOS:000319330200059	**1.4**	44	1x[4+(7x1.4)+44] = **57.80**
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: 3.082 https://www.webofscience.com/wos/woscc/full-record/WOS:000296061400008	**1.2**	33	1x[4+(7x1.2)+33] = **45.40**
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 2010: 8.820, https://www.webofscience.com/wos/woscc/full-record/WOS:000295910900013	**2**	8	1x[4+(7x2)+8] = **14.13**
Balog, A., Ferencz, L., **Hartel, T.** (2011): Effects of chitin and contact insecticide complexes on the activity, density and diversity	**0.4**	4	1x[4+(7x0.4)+4] = **10.80**

of rove beetles (Coleoptera: Staphylinidae) in commercial orchards. *Journal of Insect Science* 11: 1-10. ISI impact factor 2010: 1.014, https://www.webofscience.com/wos/woscc/full-record/WOS:000293082400001			
Hartel, T., Nemes, Sz., Öllerer, K., Cogalniceanu, D., 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,* (IF=1.541), https://www.webofscience.com/wos/woscc/full-record/WOS:000282491600010	**0.9**	35	1x[4+(7x0.9)+35] = **45.30**
Hartel, T., Schweiger, O., Öllerer, K., Cogalniceanu, 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 (IF = 3.167), https://www.webofscience.com/wos/woscc/full-record/WOS:000278427700012	**1.3**	91	1x[4+(7x1.3)+91] = **104.10**
Hartel, T., Öllerer, K., Cogălniceanu, D., Nemes, Sz., Moga, C.-I., Demeter, L. (2010): Pond-based survey of amphibians in a Saxon cultural landscape form Transylvania (Romania). *Italian Journal of Zoology,* 77(1): 61-70 (IF=0.800), https://www.webofscience.com/wos/woscc/full-record/WOS:000278866700008	**0.2**	9	1x[4+(7x0.2)+9] = **14.40**
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:* (IF = 0.817), https://www.webofscience.com/wos/woscc/full-record/WOS:000278602300011	**0.16**	4	1x[4+(7x0.16)+4] = **9.12**
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. (IF=0.469), https://www.webofscience.com/wos/woscc/full-record/WOS:000290064000007	**0.2**	0	1x[4+(7x0.2)+0] = **5.40**
Nemes, Sz., **Hartel, T.** (2010). Summary measures of binary classification systems in	**0.16**	7	1x[4+(7x0.16)+7] = **12.12**

animal ecology. *North-Western Journal of Zoology* 6: 323-330 (IF = 0.817), https://www.webofscience.com/wos/woscc/full-record/WOS:000286358100020			
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 (IF = 0.817), https://www.webofscience.com/wos/woscc/full-record/WOS:000266997900007	**0.14**	17	1x[4+(7x0.14)+17] = **21.98**
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. (IF = 0.817), https://www.webofscience.com/wos/woscc/full-record/WOS:000266997900015	**0.14**	25	1x[4+(7x0.14)+25] = **29.98**
Hartel, T., Moga, C.I., David, A., Coroiu, I. (2009): Species richness - Pond area relationships in amphibians and birds. *Community Ecology* 10: 159-164 (IF=0.792) , https://www.webofscience.com/wos/woscc/full-record/WOS:000272954800004	**0.2**	4	1x[4+(7x0.2)+4] = **9.40**
Hartel, T., Nemes, Sz., Cogalniceanu, D., Öllerer, K., Moga, C. I., D. Lesbarreres, L. Demeter. (2009): Pond and landscape determinants of *Rana dalmatina* population sizes in a Romanian rural landscape. *Acta Oecologica* 35: 53-59. (IF=1.609), https://www.webofscience.com/wos/woscc/full-record/WOS:000262976500007	**0.5**	31	1x[4+(7x0.5)+31] = **38.50**
Hartel, T. (2008): Lonh-term within pond variation of the egg deposition site in *Rana dalmatina*. – *Biologia* 3: 439-443. (IF = 0.406), https://www.webofscience.com/wos/woscc/full-record/WOS:000256079800022	**0.1**	10	1x[4+(7x0.1)+10] = **14.70**
Hartel, T. (2008): Weather conditions, breeding date and population fluctuation in *Rana dalmatina* from Central Romania. – *Herpetological Journal* 18: 40-44. (IF = 0.764) https://www.webofscience.com/wos/woscc/full-record/WOS:000256079800022	**0.33**	17	1x[4+(7x0.33)+17] = **23.31**
Hartel, T., Nemes, Sz., Cogălniceanu, D., Öllerer, K., Schweiger, O., Moga, C. I.,	**0.5**	130	1x[4+(7x0.5)+130] = **137.50**

Demeter, L. (2007): The effect of fish and habitat complexity on amphibians. – *Hydrobiologia* 583: 173-182. (IF = 1.201) https://www.webofscience.com/wos/woscc/full-record/WOS:000245358700013			
Hartel, T., Nemes, Sz. (2006): Assessing the effect of toe clipping on Yellow Bellied Toads. – *Acta Zoologica Academiae Scientiarum Hungaricae* 52(4): 359-366. (IF = 0.511), https://www.webofscience.com/wos/woscc/full-record/WOS:000243664700002	**0.03**	10	1x[4+(7x0.03)+ 10] = **14.21**
Demeter, L., **Hartel, T.** (2007): A rapid survey of the large branchiopods in Romania. – *Annales de Limnologie – International Journal of Limnology.* 43: 107-111. (IF = 0.579), https://www.webofscience.com/wos/woscc/full-record/WOS:000247808000004	**0.1**	7	1x[4+(7x0.1)+7] = **11.70**
TOTAL			**1673.21**

2. Recunoaștere internațională - **Articole în reviste cotate ISI, ca si contributor**

Articol	**AIS cf. JCR la 07.07.2023**	**Nr. citări fără autocitări cf. WOS la 07.07.2023**	**Formula de calcul 0,7x[4+(7xAIS) +c]**
Lindborg, R; **Hartel, T**; Helm, A; Prangel, E; Reitalu, T; Ripoll-Bosch, R (2023), Ecosystem services provided by semi-natural and intensified grasslands: Synergies, trade-offs and linkages to plant traits and functional richness, APPLIED VEGETATION SCIENCE, vol 26/2 IF-2.8, https://www.webofscience.com/wos/woscc/full-record/WOS:001000361200001	**0.764**	0	0,7x[4+(7x0.76) +0] = **6.52**
Fischer, J., Abson, D., Dorresteijn, I., **Hartel, T.**, Schultner, J., Scherren, K. (2022). Using a leverage points perspective to compare social-ecological systems: a case study on rural landscapes. *Ecosystems and People* 18 (1): 119-130. (5.16) https://www.webofscience.com/wos/woscc/full-record/WOS:000758715400001	**1.14**	6	0,7x[4+(7x1.14) +6] = **12.59**
Loos, J., Gallesdorfer, J., **Hartel, T.,** Dolek M., Sutcliffe, L. (2021). Limited effectiveness of EU policies to conserve an endangered species of High Nature Value farmland in Romania. *Ecology and Society*, (IF=4.403)	1.34	4	0,7x[4+(7x1.34) +4] = **12.17**

https://www.webofscience.com/wos/woscc/full-record/WOS:000708519300012			
Schmidt, B., Bancila, R., **Hartel, T**., Schaub, M. (2021) Shifts in amphibian population dynamics in response to a change in the predator community. *Ecosphere* (IF=3.17) https://www.webofscience.com/wos/woscc/full-record/WOS:000655473800007	1.08	7	0,7x[4+(7x1.08) +7] = **12.99**
Rolo, V.,**Hartel, T.** Moreno, G. (2021). Mixtures of forest and agroforestry alleviate trade-offs between ecosystem services in European Rural landscapes. *Ecosystem Services* (IF=5.45) https://www.webofscience.com/wos/woscc/full-record/WOS:000679918800006	1.35	12	0,7x[4+(7x1.35) +12] = **17.82**
Petrescu, D.C., **Hartel, T.**, Petrescu-Mag, R.M. (2020). Global land grab: toward a country typology for future land negotiations. *Land Use Policy* 99, 104960 (IF=5.39) https://www.webofscience.com/wos/woscc/full-record/WOS:000594489100006	0.96	5	0,7x[4+(7x0.96) +5] = **11.00**
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*, (IF=4.66) https://www.webofscience.com/wos/woscc/full-record/WOS:000538823500001	1.12	16	0,7x[4+(7x1.12) +16] = **19.49**
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=2.68) https://www.webofscience.com/wos/woscc/full-record/WOS:000553110900001	0.87	17	0,7x[4+(7x0.87) +17] = **18.87**
Manolache, S; Nita, A; **Hartel, T**; Miu, IV; Ciocanea, CM; Rozylowicz, L (2020), Governance networks around grasslands with contrasting management history, JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.273, DOI10.1016/j.jenvman.2020.111152, IF-8.7	1	17	0,7x[4+(7x1)+17] = **8.40**

https://www.webofscience.com/wos/woscc/full-record/WOS:000571444100013			
Balázsi, Á., Riechers, M., **Hartel, T.**, Leventon, J., and Fischer, J. (2019) The impacts of social-ecological system change on human-nature connectedness: A case study from Transylvania, Romania. *Land Use Policy* 89: 104232 [IF=3.57] https://www.webofscience.com/wos/woscc/full-record/WOS:000501651100018	0.75	27	0,7x[4+(7x0.75)+27] = **25.38**
Nita A., **Hartel T.,** Manolache S., Ciocanea C.M., Miu I.V., Rozylowicz L. (2019) Who is researching biodiversity hotspots in Eastern Europe? A case study on the grasslands in Romania. *PLoS ONE* 14(5): e0217638. [IF=2.77] https://www.webofscience.com/wos/woscc/full-record/WOS:000469224300053	0.92	18	0,7x[4+(7x0.92)+18] **= 19.91**
Fagerholm, N., Torralba, M., Moreno, G., Girardello, M., Herzog, F., Aviron, S., Burgess, P., Crous-Duran, S., Ferreiro-Domínguez, R., Graves, A., **Hartel, T.,** Măcicăsan, V., Kay, S., Pantera, A., Varga, A., and Plieninger, T. (2019) Cross-site analysis of perceived ecosystem service benefits in multifunctional landscapes. *Global Environmental Change* 56:134-147. [IF=10.42] https://www.webofscience.com/wos/woscc/full-record/WOS:000470053200013	3.3	56	0,7x[4+(7x3.3)+56] **= 58.17**
Plieninger, T., Torralba, M., **Hartel, T.,** Fagerholm, N. (2019) Perceived ecosystem services synergies, trade-offs, and bundles in European high nature value farming landscapes. *Landscape Ecology* 34: 1565-1581. [IF=4.34] https://www.webofscience.com/wos/woscc/full-record/WOS:000478084800007	1.09	50	0,7x[4+(7x1.09)+50]= **43.14**
Torralba, M., N. Fagerholm, **T. Hartel**, G. Moreno, and T. Plieninger. (2018): A Social-Ecological Analysis of Ecosystem Services Supply and Trade-Offs in European Wood-Pastures. *Science Advances* 4(5). doi: 10.1126/sciadv.aar2176 (IF=11) https://www.webofscience.com/wos/woscc/full-record/WOS:000432440600018	5.5	57	0,7x[4+(7x5.5)+57]= **69.65**
Moreno, G., S Aviron, S Berg, J Crous-Duran, A Franca, S García de Jalón, **T Hartel**, J Mirck,	0.3	100	0,7x[4+(7x0.3)+100] = **74.27**

A Pantera, JHN Palma, JA Paulo, GA Re, F Sanna, C Thenail, A Varga, V Viaud, PJ Burgess (2018): Agroforestry systems of high nature and cultural value in Europe: provision of commercial goods and ot he ecosystem services. *Agroforestry Systems*, in press. (IF=1.17) https://www.webofscience.com/wos/woscc/full-record/WOS:000440076000006			
Hossu, C., Ioja, C., Nita, MR, **Hartel, T**., Badiu, D., Hersperger A. (2017): The need for cross-sector approach in protected area manegement. *Land Use Policy* 69: 586-597. IF=3,08 https://www.webofscience.com/wos/woscc/full-record/WOS:000414881200058	0.73	24	0,7x[4+(7x0.73) +24] = **23.18**
Balog, A., **Hartel, T.**, Loxdale HD, Wilson, K. (2017): Differences in the progress of biopesticide revolution between the EU and other major crop growing regions. *Pest Management Science* 73: 2203-2208. IF = 3.25 https://www.webofscience.com/wos/woscc/full-record/WOS:000412079400002	0.85	31	0,7x[4+(7x0.85) +31] = **28.67**
Urak, I., **Hartel, T.,** Galle, R., Balog, A. (2017): Worldwide peatland degradation and the related carbon dioxide emmisions: the importance of policy regulations. *Environmental Science and Policy* 69: 57-64. IF = 3.75. https://www.webofscience.com/wos/woscc/full-record/WOS:000393723400007	1.07	28	0,7x[4+(7x1.07) +28] = **27.64**
Băncilă, R. I., Ozgul, A., **Hartel, T.**, Sos, T. and Schmidt, B. R. (2016), Direct negative density-dependence in a pond-breeding frog population. *Ecography,* 39: 449–455. doi: 10.1111/ecog.01584. IF: 5.35 https://www.webofscience.com/wos/woscc/full-record/WOS:000375601700005	2.1	17	0,7x[4+(7x2.1)+ 17] = **24.99**
Plieninger, T., **Hartel, T.,** Martín-López, B., Beaufoy, G., Bergmeier, E., Kirby, K., Montero, M.J., Moreno, G., Oteros-Rozas, E., Van Uytvanck, J., (2015). Wood-pastures of Europe: geographic coverage, social–ecological values, conservation management, and policy implications. *Biological Conservation*. 190, 70–79. IF: 3.98	1.6	180	0,7x[4+(7x1.6)+ 180] = **136.64**

https://www.webofscience.com/wos/woscc/full-record/WOS:000358972200009			
Plieninger, T., Bieling, C., Fagerholm, N., Byg, A., **Hartel, T.,** Hurley, P., et al. (2015): The role of cultural ecosystem services in landscape management and planing. *Current Opinion in Environmental Sustainability* 14: 28-33. IF = 3.49 https://www.webofscience.com/wos/woscc/full-record/WOS:000366330500004	1.7	207	0,7x[4+(7x1.7)+ 207] = **156.03**
Loos, J., Milcu-Horcea, A.I., Kirkland, P., **Hartel, T**., Osvath-Ferencz, M., Fischer, J. (2015): Challenges for biodiversity monitoring using citizen science in transitioning social-ecological systems. *Journal for Nature Conservation* 26: 45-48. IF: 1.64 https://www.webofscience.com/wos/woscc/full-record/WOS:000358100200006	0.7	23	0,7x[4+(7x0.7)+ 23]= **22.33**
Deak, B., Valko, O., Torok, P., Vegvari, Zs, **Hartel, T.,** Schmotzer, A., Kaposi, I., Tothmeresz, B. (2014): Grassland fires in Hungary – the experience of nature conservationists on the effects of fire on biodiversity. *Applied Ecology and Environmental Research*. ISI impact factor 2013: 0.60 https://www.webofscience.com/wos/woscc/full-record/WOS:000342046700017	0.15	42	0,7x[4+(7x0.15) +42]= **32.94**
Roellig, M., Dorresteijn, I., von Wehrden, H., **Hartel, T.,** Fischer, J. (2014): Brown bear activity in traditional wood-pastures in Southern Transylvania, Romania. *Ursus* 25: 43-52. ISI impact factor 2013: 0.64 https://www.webofscience.com/wos/woscc/full-record/WOS:000338391500006	0.3	20	0,7x[4+(7x0.3)+ 20]= **18.27**
Dorresteijn, I., **Hartel, T**., Hanspach, J., von Wehrden, H., Fischer, J. (2013): The conservation value of traditional rural landscapes: the case of woodpeckers in Transylvania, Romania. *PLOS ONE* 8(6): e65236. doi:10.1371/journal.pone.0065236. ISI impact factor 2012: 3.73 https://www.webofscience.com/wos/woscc/full-record/WOS:000322361200012	1.4	36	0,7x[4+(7x1.4)+ 36]= **34.86**
Mikulcak, F., Newig, J., Milcu, A.I., **Hartel, T.,** Fischer, J. (2013): Integrating rural	0.9	70	0,7x[4+(7x0.9)+ 70]= **56.21**

development and biodiversity conservation in Central Romania. *Environmental Conservation* 40: 129-137. (IF=2.23) https://www.webofscience.com/wos/woscc/full-record/WOS:000318401600004			
Fischer, J., **Hartel, T.,** Kuemmerle, T. (2012): Conservation policy in traditional farming landscapes. *Conservation Letters* 3: 167-175. ISI impact factor 2011: 4.35 https://www.webofscience.com/wos/woscc/full-record/WOS:000296494700021	2.94	259	0,7x[4+(7x2.94) +259]= **198.51**
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 2010: 36.101	20	11	0,7x[4+(7x20)+ 11]= **108.50**
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 2010: 3.498	1.6	65	0,7x[4+(7x1.6)+ 65]= **56.14**
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., Tscharntke, 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. (IF = 31.364)	18	94	0,7x[4+(7x18)+ 94]= **156.80**
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 2010: 0.889	0.3	197	0,7x[4+(7x0.3)+ 197]= **142.17**

Bancila, R. I., **Hartel, T.,** Plaiasu, R., Smets, J., and Cogalniceanu, D. (2010): Estimating the body condition of the yellow-bellied toad *Bombina variegata* (Amphibia: Anura). *Amphibia-Reptilia* 31: 558-562. (IF = 0.949) https://www.webofscience.com/wos/woscc/full-record/WOS:000283924000013	0.3	88	0,7x[4+(7x0.3)+ 88]= **65.87**
Moga, C.I., **Hartel, T**., and 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* (IF = 0.817) https://www.webofscience.com/wos/woscc/full-record/WOS:000278602300011	0.16	8	0,7x[4+(7x0.16) +8]= **9.18**
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. (IF=0.469) https://www.webofscience.com/wos/woscc/full-record/WOS:000290064000004	0.2	6	0,7x[4+(7x0.2)+ 6]= **7.98**
Urák I., **Hartel, T**., Balog, A. (2010): The structure of spider communities along a land use gradient in Eastern Carpathians. *Archives of Biological Sciences (Belgrade)* 62: 1231-1237. (IF = 0.238) https://www.webofscience.com/wos/woscc/full-record/WOS:000287217500042	0.06	3	0,7x[4+(7x0.06) +3]= **5.19**
Moga, C.I, **Hartel, T.,** and Öllerer, K. (2009): Ancient oak wood-pasture as a habitat for the endangered Tree Pipit, *Anthus trivialis – Biologia* 64: 1011-1015 (IF = 0.617) https://www.webofscience.com/wos/woscc/full-record/WOS:000269947100028	0.11	16	0,7x[4+(7x0.11) +16] =**14.54**
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. (IF = 0.929) https://www.webofscience.com/wos/woscc/full-record/WOS:000250868800004	0.3	39	0,7x[4+(7x0.3)+ 39]= **31.57**
TOTAL CONTRIBUTOR ISI			**1768.55**
Σ_{1-2} (recunoaștere internațională) = 1673.21+ 1768.55= 3441.76			

3. Articole în reviste indexate BDI ca autor principal		
Articol	**Nr. citări fără autocitări cf. WOS la 07.07.2023**	**Formula de calcul (1+c)**
Hartel, T., Ollerer, K., Balog, A., Sas, I. (2008) A proposal towards the incorporation of spatial heterogeneity into animal distribution studies in Romanian landscapes, *North-Western Journal of Zoology*	9	10
Hartel, T. (2008) Movement activity in a Bombinr variegata population from a deciduous forested landscape, *North-Western Journal of Zoology*	30	31
Hartel, T., Nemes, Sz., Demeter, L., Ollerer, K. (2008) Pond and landscape characteristics - Which is more important for common toads (Bufo bufo)? A case study from central Romania, *Applied Herpetology*	16	17
Hartel, T., Nemes, Sz., Mara, Gy. (2007) Breeding phenology and spatio-temporal dynamics of pond use by the yellow-bellied toad (bombina variegata) population: The importance of pond availability and duration, *Acta Zoologica Lituanica*	14	15
Hartel, T., Moga, C.I. (2007) 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*	0	1
TOTAL AUTOR PRINCIPAL BDI		**74**
4. Articole în reviste indexate BDI ca şi contributor		
Moga, C.I., Ollerer, K., Hartel, C.I. (2007) The Breeding avifauna of the Breite Plateau Natural Reserve and the surrounding forest, *Studia Universitatis Babes-Bolyai, Seria Biologia*	0	0.7
TOTAL CONTRIBUTOR BDI		**0.7**
5. Cărţi în edituri internaţionale de prestigiu - nu este cazul		
6. Cărţi în alte edituri internaţionale - nu este cazul		
7. Cărţi în Editura Academiei Române - nu este cazul		
8. Cărţi în Editurile Universităţilor din Consorţiu - nu este cazul		
9. Cărţi în alte edituri din ţară - nu este cazul		
10. Capitole în cărţi/volume, în edituri internaţionale		

Capitol carte	**Nr. citări fără autocitări cf. WOS la 07.07.2023**	**Nr. autori (n)**	**Formula de calcul (20+c) : n**

	(c)		
Hanberry, B., Kabrick, M., Dunwiddie, W., **Hartel, T**., Jain, B., Knapp, B.O. (2017), Restoration of temperate savannas and woodlands – Cap.11, Routledge Handbook of Ecological and Environmental Restoration, Editors: S. K. Allison, S. D. Murphy, ISBN 9780367352400	10	6	(20+10):6 = **5**
Hartel, T., Plieninger, T., Varga, A. (2015), Wood-pastures in Europe – cap.5, p.61-76, Europe's changing woods and forests: from wildwood to managed landscapes, Editors: K. J. Kirby, C. Watkins, ISBN : 978-1-78639-192-6, eISBN : 978-1-78064-338-0	28	3	(20+28)/3 = **16**
Hartel, T., Plieninger, T (2014), Cap.1 The Social and Ecological Dimensions of Wood-pastures; Cap. 13.1 Wood-pasture Profile: Breite, Romania; 17. European Wood-pastures in Transition: Lessons for Science, Conservation and Policy Development in High Nature Value Landscapes. European Wood-pastures in Transition - A social-ecological approach, Editors: Hartel, T., Plieninger, T, ISBN 9780815395317	2	2	(20+2)/2 = **11**
TOTAL			**33**
11. Capitole în cărţi/volume, în edituri naţionale			
Capitol carte	**Nr. citări fără autocitări cf. WOS la 07.07.2023 (c)**	**Nr. autori (n)**	**Formula de calcul (10+c) : n**
Hartel, T. (2018) Instrumental, Intrinsic and Relational Values Related to Traditional Wood Pastures in Transylvania, Local Environmental Problems and Answers in Hungary and Romania, Print-ISBN-13: 978-606-975-014-8	0	1	(10+0)/1 = **10**
TOTAL			**10**
12. Editor/redactor/coordonator cărţi în edituri internaţionale			
Carte	**Nr. citări fără autocitări cf. WOS la 07.07.2023 (c)**	**Nr. editori (n)**	**Formula de calcul (30+c) : n**

Hartel, T., Plieninger, T (2014), European Wood-pastures in Transition - A social-ecological approach, Editors: Hartel, T., Plieninger, T, ISBN 9780815395317	2	2	(30+2)/2 = **16**
TOTAL			**16**
13. Editor/redactor/coordonator cărţi în edituri naţionale – nu este cazul			
$\Sigma_{1\text{-}13}$ (performanță totală) =			**3575.46**

C.2. Evaluarea capacităţii de atragere fonduri pentru finanţarea cercetării

Proiect	**Formula de calcul (Sf = cf x N) Punctajul minim:40**
2022-2023: The wood-pastures of Romania: ecology, agricultural perspectives, and sustainable integration into cultural landscape management. Project funded by the German Federal Environmental Foundation (Deutsche Bundesstiftung Umwelt DBU). EUR: 68000. Research project ethically approved by the Babes-Bolyai University (approval no. 1347/2023). The project involves a research team.	S_{f1}=50x2 = **100**
2016-2019: "STACCATO (Sustaining Agricultural Change Through Ecological Engineering and Optimal Use of Natural Resources). Biodiversa funded project. EUR: 54000. The project involves a research team.	S_{f2}=50x2 = **100**
TOTAL	**200**

Parametrii luați în calcul conform Standardelor minimale, Comisia 19 – Biologie și biochimie, pentru evaluarea activității de cercetare.

Tabel 1 Parametrii luaţi în calcul şi modul lor de cuantificare

Nr.crt.	Parametrul	Mod de calcul
1	Articole în reviste cotate ISI, ca autor principal*	Conform formulei (1)
2	Articole în reviste cotate ISI, ca şi contributor **	Conform formulei (2)
3	Articole în reviste indexate BDI*** ca autor principal	(1+c1)+(1+c2)+...+(1+cN)
4	Articole în reviste indexate BDI*** ca şi contributor	0.7 x [(1+c1)+(1+c2)+... +(1+cN)]
5	Cărţi în edituri internaţionale de prestigiu ****	(100+c) : n
6	Cărţi în alte edituri internaţionale	(50+c) : n
7	Cărţi în Editura Academiei Române	(50+c) : n
8	Cărţi în Editurile Universităţilor din Consorţiu	(30+c) : n
9	Cărţi în alte edituri din ţară	(20+c) : n
10	Capitole în cărţi/volume, în edituri internaţionale	(20+c) : n
11	Capitole în cărţi/volume, în edituri naţionale	(10+c) : n
12	Editor/redactor/coordonator cărţi în edituri internaţionale	(30+c) : n
13	Editor/redactor/coordonator cărţi în edituri naţionale	(10+c) : n

Formula (1): 1 x [4+(7 x AI1)+c1] + 1 x [4+(7 x AI2)+c2] +…+1 x [4+(7 x AIN)+cN]

Formula (2): 0,7 x [4+(7 x AI1)+c1] + 0,7 x [4+(7 x AI2)+c2] +…+0,7 x [4+(7 x AIN)+cN

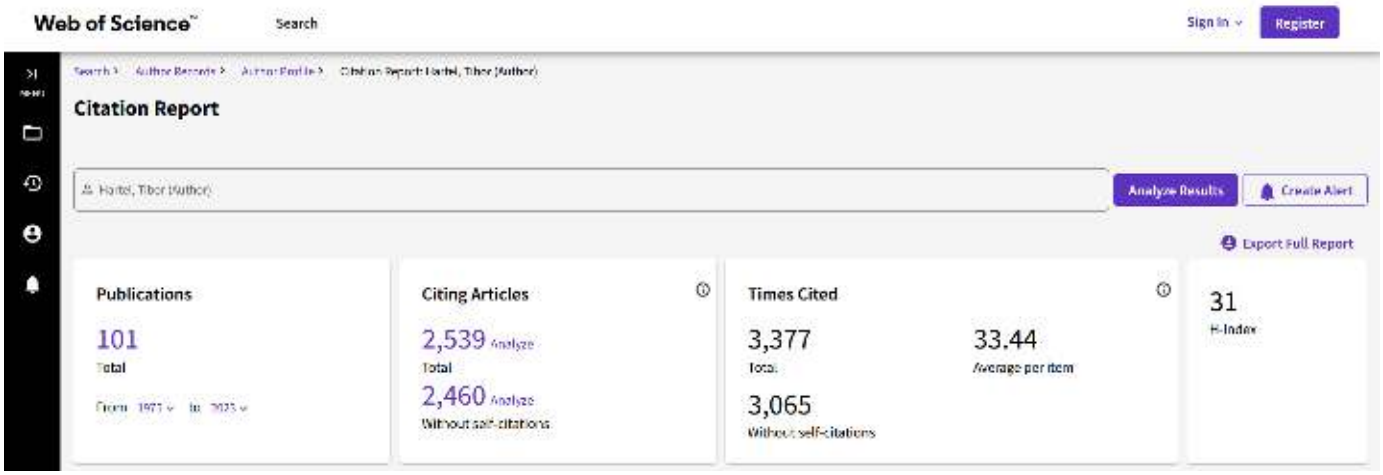
AI1, AI2 ..., AIN factorul AIS (Article Influence Score), conform http://eigenfactor.org, în momentul publicării; la articolele publicate inainte de 1997 se ia AIS din 1997. În categoria articolelor ISI se includ şi brevetele omologate la Oficiul European de Patente şi Oficiile din Elvetia, Norvegia, Statele Unite şi Japonia considerându-se AI=0,00 şi calculul în funcţie de poziţia autorului (conform formulei 1 sau 2) pentru fiecare brevet. În categoria BDI*** se includ şi brevetele omologate la OSIM, păstrându-se modul de calcul în funcţie de pozitia autorului.

c1, c2.... numărul de citări fără autocitări pentru articolul 1, 2..., N, preluat de pe Web of Science sau Scopus, în momentul intocmirii dosarului, cu specificarea sursei utilizate.

c - citări fără autocitări preluat de pe Web of Science sau Scopus, în momentul depunerii dosarului, cu specificarea sursei utilizate. În categoria „cărți" nu se includ și broșurile de popularizare.
N – numărul total de articole din categoria respectivă (fără rezumate/abstract, recenzii, comemorări, note!).
n – numărul de autori (ed., red., coord., în cazul cărților/capitolelor editate/elaborate). În cazul unor articole publicate în Proceeding-uri editate de reviste cu vizibilitate internațională notabilă (ISI), aceste articole, dacă au minimum 3 citări pe Web of Science sau Scopus, pot fi luate în calcul la nr. 1 și 2 (tabel 1), considerându-se în formulele respective AIS=0.
* prin autor principal se înțelege prim-autor, autor corespondent, ultim autor; sunt considerate „articole în reviste cotate ISI", numai lucrările care sunt listate în Web of Science Core Collection sub numele candidatului, la data depunerii dosarului de concurs;
** prin contributor se înțelege orice poziție, cu excepția celor menționate la autor principal.
*** BDI (baze de date internationale) sunt considerate cele recunoscute pe plan științific internațional, cum ar fi: Scopus(Elsevier), Web of Science, CAB, ProQuest, EBSCO, CSA/Biological Sciences, Index Copernicus, SpringerLink.
**** editurile internaționale de prestigiu sunt: editurile Universităților din "Top 500", Springer Verlag, Blackwell, London Academic Press, NY: Chapman & Hall, Kluwer Academic Press, Elsevier, Washington: National Academy Press Smithsonian Institution Press, Kew Royal Botanic Gardens, Masson Paris, Sinauer.

Tabel 2. Centralizator pentru verificarea atingerii standardelor minimale de către candidat

Parametrul	Abilitare (standard minimal)	Punctaj realizat
$\Sigma_{1\text{-}2}$ (recunoaștere internațională)	150	**3441.76**
$\Sigma_{1\text{-}13}$ (performanță totală)	250	**3575.46**
S_f (finanțarea cercetării)	40	**200**



Data
07.07.2023

Semnatura
Hartel Rudolf-Tiberiu