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| Curriculum vitae Europass  | 10636227_10204579882207292_2882791973630037387_n |
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| Personal Informations |  |
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| Nationality | Romanian |
| Birth day | 1978-07-22 |
|  |  |
| Current position | Associate Professor, Babes-Bolyai University |
| Experience |  |
|  | 2018 – Assoc. Prof. Babes-Bolyai University |
|  | 2014-2018: Assoc. Prof. Sapientia University2012-2013: Postdoctoral researcher Leuphana University, Lueneburg2011-2012: Invited Lecturer University of Babes-Bolyai 2009, 2010: Guest Researcher at „Research Department Terrestrial Zoology, National Museum of Natural History”, Netherlands with a Temminck fellowship. |
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| Projects | 1. **Project leader**

2025-2027: ‘Developing a social-ecological niche theory to leverage human large carnivore coexistence’ (SESCARNIVORE). Funded by Executive Agency for Higher Education, Research, Development and Innovation Funding. *Results*: research project started, no scientific results available at this moment. Budget: 239940 EUR.2022-2024: ‘The wood-pastures of Romania: ecology, agricultural perspectives, and sustainable integration into cultural landscape management’. Funded by the German Federal Environmental Foundation (Deutsche Bundesstiftung Umwelt DBU), contract nr. 51/09/03/2022. Budget UBB: 68 000 EUR for BBU, 110 000 EUR in total. *Results published in Trends in Ecology and Evolution*, *Applied Vegetation Science*, *Ecosystems and People*, *Scientific Reports*, *Conservation Science and Practice*. One more manuscript under revision in *People and Nature* (01.14.2025)**2016-2019:** ‘Sustaining Agricultural Change Through Ecological Engineering and Optimal Use of Natural Resources’(STACCATO). Finanțat de Biodiversa prin CCCDI–UEFISCDI, project code ERA-FACCE-STACCATO-3. Buget: 53.766 EUR. *Results published in Conservation Biology*, *Land Use Policy*, *Rangeland Ecology and Management*.**2012-2013:** ‘The ecological and cultural values of ancient wood-pastures in Transylvania, Romania’. Funded by the Alexander von Humboldt Shiftung, Germany, postdoctoral grant. *Rezultate publicate în Agriculture, Ecosystems and Environment*, *Ecology and Society, Biological Conservation, Sustainability Science.*1. **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. 1. **Project member (selection)**

**2023-2026:** ‘BIOTraCes’ - Biodiversity and Transformative Change for plural and nature positive societies. Project 101081923, funded through Horizon Europe of the EU. (Project Leader: Dr. Mălina Ruxandra Petrescu Mag)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:** 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.  |
| Past young researchers mentored by me**Policy influence** | [Dr. Andra Ioana Holrea Milcu](https://scholar.google.com/citations?user=mvahENAAAAAJ&hl=en) (2020-2022) through the project COEXIST, see above. (Note: Dr. Horcea-Milcu is PI at an ERC Starting Grant). [Dr. Ágnes Balázsi](https://scholar.google.com/citations?user=WPhcZKkAAAAJ&hl=en) (2015-2018): through the project STACCATO, see above. (Note: Dr. Balázsi ended up as lecturer at Sapientia Hungarian University of Transylvania because of this stage). **2023-2024**: [Law no. 331/2024 of the Forestry Code - Legea nr. 331/2024 privind Codul silvic](https://legislatie.just.ro/Public/DetaliiDocument/293218). Member of the Biodiversity Committee (Stefan Cel Mare University, Suceava).**2021-2023**: [Law 97/2023](https://www.researchgate.net/publication/370204393_Lege_privind_protectia_arborilor_remarcabili_-_Law_for_protecting_remarkable_trees) for protecting Remarkable Trees of Romania. The history and content of the Law is described in a recent paper published in *[Conservation Science and Practice](https://conbio.onlinelibrary.wiley.com/doi/full/10.1111/csp2.13032)* [(Hartel et al., 2013, see references).](https://conbio.onlinelibrary.wiley.com/doi/full/10.1111/csp2.13032)**2019**: inspired and was part of the organization team of a policy seminar related to the Biocultural Diversity of Europe, at the European Parliament ([see here](https://transylvanianow.com/raising-awareness-to-preserve-rural-communities-and-biocultural-diversity/) for details).**2015**: inspired and was part of the organization team of a policy seminar related to wood-pastures and the CAP at the European Parliament, details and my presentation can be accessed [here.](https://www.efncp.org/events/seminars-others/wood-pastures-brussels2015/) |
| Citizen science, public involvement initiatives | **2015-present**: Remarkable Trees of Romania – Arborii Remarcabili din România. On-line and still the only reliable database for Romanian ancient, large old trees. <https://www.arboriremarcabili.ro/ro/harta-si-arborii/arata-harta/> Inspired the Law 97/2023 (see above) |
| Awards and distinctions | * 2020, 2021 Top 2% most cited researchers in the field of Ecology according to „Stanford University & Elsevier” (2021)
* 2021 Academia Europaea – *The Academy of Europe* (ordinary member)
* 2022 Award from Babes-Bolyai University for being creative teacher
* 2021 Award from Babes-Bolyai University for being the most productive researcher in the Faculty of Biology and Geology
* 2020 Award from Babes-Bolyai University for being the most productive researcher in the Faculty of Biology and Geology.
* 2019 Peregrinus Prize, Berlin-Brandenburgischen Akademie der Wissenschaften, Germany
* 2010 Award of the Romanian Academy of Sciences (together with Kinga Öllerer, Cosmin Moga and Dan Cogălniceanu)
* Although not a formal award, but a high level recognition is that Hartel was honoured to managed the Romanian wood-pasture of HRH Prince of Wales (2015 - 2018)
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| Member professional councils | BBU Commitee for Biodiversity and Sustainable Development – Vice president (2019-present)Scientific Council of National Institute of Patrimony (2020-2022)BBU Scientific Council – vice director (2020-2022)Society for Conservtion Biology – Europe Section – Board of Directors (2010-2014. Elected two mandates) |
| Lectures | Ecosystem Services, Ecology, Nature Conservation, Social Ecological Systems, Biogeography, Eco-tourism |
| **Publications** | **Number of citations on Google Scholar**: 7393, h index: 45**Recent publications (2016-present)**20241. Nita, A., Reti, K.O., Petrescu-Mag, M.R., Petrescu C.D., Malos, C., Csakany, L., Dietmar, G., Wagener, F., **Hartel, T.** (2024) Understanding nature’s contributions to people in ancient biocultural systems through network and RLQ analysis. *Ecosystems and People*, 20 (1): 2426711. <https://www.tandfonline.com/doi/full/10.1080/26395916.2024.2426711>
2. Petrescu-Mag, R.M., **Hartel, T.,** Reti, K.O., Mocanu, C., Petrescu-Mag, I.V., Macicasan, V., Petrescu C.D. (2024) Land degradation: Addressing the vulnerability of local people through the lens of transformative change. [*Helyon*, 10, e34891.](https://www.cell.com/heliyon/fulltext/S2405-8440%2824%2913922-9)
3. Kelemen, Sz., Máté, J., **Hartel, T.,** Csóka, Gy., Néda, Z. (2024) Tree size distribution as the stationary limit on an evolutionary master equation. *Scientific Reports* 14, 1168. <https://www.nature.com/articles/s41598-024-51553-2>

20231. **Hartel, T.**, Fischer, J., Shumi, G., William, A. (2023) [The Traditional Ecological Knowledge Conundrum](https://www.sciencedirect.com/science/article/abs/pii/S0169534722003287). *Trends in Ecology and Evolution* 38: 211-214.
2. **Hartel, T**., Arghius, V., Reti, K.O., Stoican, F., Bouriaud, L. (2023). New policy for Old Trees in Romania: lessons and opportunities. *Conservation Science and Practice* online first, <https://doi.org/10.1111/csp2.13032>
3. 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*](Applied%20Vegetation%20Science) 26: e12729. <https://doi.org/10.1111/avsc.12729>
4. Morariu, S.D, Macicasan, V., Malos, C.V. **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 Sciences 11:1112896. doi: 10.3389/fenvs.2023.11128962022](https://www.frontiersin.org/articles/10.3389/fenvs.2023.1112896/full)
5. Mitincu, CG., Gradinaru, S., Ioja, I.C., **Hartel, T.,** Lierop, van M., Hossu, A.C. (2023. The public consultation is open: Insights from urban green infrastructure planning in Romania. Urban Forestry and Urban Greening 86. <https://doi.org/10.1016/j.ufug.2023.127985>
6. Fischer, J., Abdon, 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](https://www.tandfonline.com/doi/abs/10.1080/26395916.2022.2032357). *Ecosystems and People*. <https://doi.org/10.1080/26395916.2022.2032357>
7. Pap, C. R., Scheele, B., Rakosy, L., **Hartel, T.** (2022) [Transdisciplinary deficit in large carnivore conservation funding in Europe. *Nature Conservation*, 49: 31-52.](https://natureconservation.pensoft.net/article/81469/)
8. 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](https://www.sciencedirect.com/science/article/abs/pii/S2210670722003882). *Sustainable Cities and Societies*, 85 (104070)
9. Sevianu, E., Petrisor, M., Malos, C., **Hartel, T.** (2022) Habitat preferences oof the European green lizard *Lacerta viridis* (Laurenti 1768) in a protected area, Romania. *Studia Universitatis Babes-Bolyai Biologia* 67: 165-176

20211. 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
2. 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
3. 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*
4. Schmidt, B., Bancila, R., Hartel, T., Schaub, M. 2021. Shifts in amphibian population dynamics in response to a change in the predator community. *Ecosphere*
5. Rolo, V., …**Hartel, T.,**…Moreno, G. 2021. Mixtures of forest and agroforestry alleviate trade-offs between ecosystem services in European Rural landscapes. *Ecosystem Services*

2020 1. **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.
2. **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
3. 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.
4. 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
5. 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*, in press
6. Salvatori, V., Balian, E., Carlos-Blanco, J., Ciucci, P., Demeter, L., **Hartel, T**., Mardsen, K., Redpath, S.M., von Korff, Y., Young, J.C. 2010. 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)

2019 1. **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.
2. 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
3. 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.
4. 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.
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6. 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.
7. 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.

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3. Torralba, M., Fagerholm, N., **Hartel, T.,** Moreno, G., Plieninger, T. (2018): A social-ecological analysis of ecosystem services supply and trade-offs in European wood-pastures. *Science Advances* 4, eaar2176.
4. Moreno, G., Aviron, S., Berg, S., Crous-Duran, J., Franka, A., Darcia de Jalon, S., **Hartel, T.,** Mirk, J., Pantera, A., Palma, J.H.N., Paulo, J.A., Re, G.A., Sanna, F., Thenail, V., Varga, A., Viaud, V., Burgess, P. 2018. Agroforestry systems of high nature and cultural value in Europe: provision of commercial goods and other ecosystem services. Agroforestry Systems 92: 877-891.
5. Roellig, M., Costa, A., Garbarino, M., Hanspach, J., **Hartel., T.,** Jacobsson, S., Lindborg, R., Post Hoc Assessment of Stand Structure Across European Wood-Pastures: ImpliMazr, S., Plieninger, T., Sammul, M., Varga, A., Fischer, J. 2018. *Rangeland Ecology and Management* 71: 526-535
6. Tölgysi, Cs., Bátori, Z., Gallé, R., Urák, I., **Hartel, T.** 2018. Shrub encroachment under trees diversifies the herb layer in Romanian sylvopastoral system. *Rangeland Ecology and Management* 71: 571-577.

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2. Hanberry, B.B., Kabrik, J.M., Dunwidde, P.W., **Hartel, T.,** Jain, B.T., Knapp, B.O. 2017. Restoration of Temperate Savannas and Woodlands. In Routledge Handbook of Ecological and Environmental Restoration. Ed: Allison S.K., Murphy S.D. Pp: 1-16
3. Hossu, A., Ioja, C., Nita, M., **Hartel, T.,** Badiu, L.D., Hersperger, A. 2017. The need for cross-sectoral approach in protected area management. *Land Use Policy* 69: 586-597.
4. Gallé R, Urák I, Nikolett G-S, **Hartel T** (2017) Sparse trees and shrubs confers a high biodiversity to pastures: Case study on spiders from Transylvania. *PLoS ONE* 12(9): e0183465. <https://doi.org/10.1371/journal.pone.0183465> (IF=2.7)
5. Urák, I., **Hartel, T.,** Gallé, R., Balog, A. (2017). Worldwide peatland degradations and the related carbon dioxide emissions: the importance of policy regulations. *Environmental Science and Policy* 69: 57-64.

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Moga, C., Samoila, 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: 480-489.Bancila, R., Ozgul, A., Hartel, T., Sos, T., Schmidt, B. (2016). Direct negative density dependence in a pond breeding frog population. *Ecography* 39: 449-455.  |