
CURRICULUM VITAE

Dr. Robert Pal, Ph.D.

Associate Professor
Director of Restoration

Work Address

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EDUCATION

Habilitation University of Pécs, Hungary, 2012
Ph.D. Biology (Botany/Plant Ecology), University of Pécs, Hungary, 2007
M.S. Agricultural Sciences, University of West-Hungary, Hungary, 2000

WORK EXPERIENCE

Montana Tech	Tenure - Associate professor, Director of Restoration (2021)
Montana Tech	Associate professor, Director of Restoration (2018-2021)
Montana Tech	Assistant professor, Director of Restoration (2015-2018)
University of Pécs, Hungary	Associate professor, Department of Ecology (2013-2015)
University of Montana	Marie Curie Research Fellow (2012-2015)
University of Pécs, Hungary	Tenure, Department of Ecology (2012)
University of Camerino, Italy	Erasmus Visiting Teaching Staff (2011)
University of Montana	Fulbright Researcher (2009)
University of Pécs, Hungary	Assistant professor, Department of Plant Systematics and Geobotany (2007-2013)
University of Camerino, Italy	Erasmus Visiting Teaching Staff (2008)
University of Pécs, Hungary	Professor's assistant, Department of Plant Systematics and Geobotany (2006-2007)
University of Camerino, Italy	Erasmus Visiting Teaching Staff (2005)
University of Pécs, Hungary	Research assistant, Hungarian Academy of Sciences (2003-2006)

HONORS AND AWARDS

- Merit Award for Exceptional Achievement in Teaching, Service, and Scholarship (2020)
- Rose and Anna Busch Faculty Achievement Award for Teaching and Scholarship Excellence (2020)
- Distinguished Researcher Award, Montana Tech (2018)
- Nominee for the Rose and Anna Busch Faculty Achievement Award for Teaching (2017, 2018)
- Marie Curie Research Fellowship (University of Pécs, University of Montana, 2012-2015)
- Zólyomi Bálintné Barna Piroska Award (Hungary 2011)
- Fulbright Researcher Award in the USA (University of Montana, Missoula, 2009)

TEACHING EXPERIENCE

Courses taught at present for undergraduate and graduate students at Montana Tech (all courses taught at both 400 and 500 levels): Restoration I-II (2015-), Restoration Seminar (2015-), Discussions in Restoration (2015-), Restoration Capstone (2016-), Restoration Field Practicum (2016-), Principles of Habitat Typing (2017-), Restoration Field Methods (2020-).

Courses taught earlier for undergraduate and graduate students at the University of Pécs, in Hungarian: Field Studies in Plant Ecology (2000-2008), Plant ecology lab (2003-2007), Field Botany (2004-2007), Floristics (2004-2007), Plant Taxonomy lab (2000-2014), Taxonomical field studies (2000-2014), Ecological Basis of Environmental Protection (2004-2014), Weeds (2006-2014), Knowledge of Bibliography (2008-2014), Applied Botany (2009-2014), Anthropogenic Communities (2010-2014), Anthropogenic communities lab and field study (2010-2014).

Courses taught in the frame of the Erasmus program for undergraduate students across Europe in English since 2007: Plant Ecology, Plant Taxonomy, Weed Biology, Weed Ecology, Invasive Plant Science

Ph.D. courses: Relations in Synbiology (2011-)

THESIS ADVISING

Ph.D. – *Henn Tamás* (Univ Pecs – defended in 2016); *Nagy Dávid* (Univ Pecs – defended in 2018); *Filep Rita* (Univ Pecs - defended in 2018), *Krishan Kaushik* (Univ Pecs – defense expected in 2022), *Scott Robinson* (the University of Montana – defense expected 2021).

MSc – *Béki Zita* (Univ Pecs, MS in Biology, 2005), *Horváth Adrienn* (Univ Pecs, MS in Biology, 2006), *Miszlang Bálint* (West Hungarian Univ, Agriculture, 2006), *Pesti Krisztina* (Univ Pecs, MS in Biology, 2009), *Sebestyén Beatrix Krisztina* (Univ Pecs, MS in Biology, 2009), *Heidt Diana* (Univ Pecs, MS in Biology, 2010), *Henn Tamás* (Univ Pecs, MS in Biology, 2011), *Nagy Dávid* (Univ Pecs, MS in Biology, 2011), *Filep Rita* (Univ Pecs, MS in Environmental Studies, 2012), *Balázs Viktória Lilla* (Univ Pecs, MS in Biology, 2016).

At Montana Tech: *Jared Trilling* (MT Tech – Interdisciplinary MS, 2018), *Joao Nascimento* (MT Tech – Interdisciplinary MS, 2018), *Mark Mariano* (MT Tech – Interdisciplinary MS, 2018), *Augustina Kwesie Osabutey* (MT Tech – Environmental Engineering – 2019), *Anna Nugent* (MT Tech – Interdisciplinary MS – Expected graduation in 2022), *James Foltz* (MT Tech – Master of Geosciences and Geochemistry, co-advised with Dr. Alysia Cox), *Carly Peach* (MT Tech – Interdisciplinary MS – 2021), *Nathan Carpenter* (MT Tech – MS of Geosciences and Geochemistry – 2021, co-advised with Dr. Alysia Cox), *Gabriella Poupart* (MT Tech – MS of Ecological Restoration – Expected graduation in 2022), *Riley Crissman* (MT Tech – MS of Ecological Restoration – Expected graduation in 2022), *Natasha Chadwell* (MT Tech – MS of Ecological Restoration– Expected graduation in 2023), *Jesse Sims* (MT Tech – Five year BS/MS, Civil Engineering/MS of Ecological Restoration – Expected graduation in 2022), *Katelyn Reichle* (MT Tech – Five year BS/MS, Biology/MS of Ecological Restoration – Expected graduation in 2022), *Morgan Schultz* (MT Tech – MS of Ecological Restoration– Expected graduation in 2023), *Danella Stapley* (MT Tech – MS of Ecological Restoration– Expected graduation in 2023).

BSc – *Gyergyák Kinga* (Univ Pecs, BS in Biology, 2009), *Henn Tamás* (Univ Pecs, BS in Biology, 2009), *Kapitány Emese* (Univ Pecs, BS in Biology, 2009), *Nagy Dávid* (Univ Pecs, BS in Biology, 2009), *Ambra Tosto* (Univ Camerino, Italy, BS in Biology, 2011), *Czigler Mónika* (Univ Pecs, BS in Biology, 2013), *Kimberly Ledger* (Univ Montana, BS in Biology, – co-advised with Dr. Ray Callaway, 2014).

At Montana Tech: *Molly Hogan* (MT Tech, BS in Biology – co-advised with Dr. Stella Capoccia, 2016), *Natalie Reget* (MT Tech, BS in Biology, 2017), *Patrick White* (MT Tech, BS in Biology, 2017), *Jeremy Aal* (MT Tech, BS in Biology, 2018).

Restoration Certificate Students (All at MT Tech): *Natalie Reget* (2016 BS level Certificate, major in Biology), *Keenan Gerhart* (2017 BS level Certificate, major in Environmental Engineering), *Patrick White* (2017 BS level Certificate, major in Biology), *James Foltz* (2018 MS level Certificate), *Jared Trilling* (2018 MS level Certificate, Interdisciplinary MS), *Joao Nascimento* (2018 MS level Certificate, Interdisciplinary MS), *Mark Mariano* (2018 MS level Certificate, Interdisciplinary MS), *Matthew Kilsdonk* (2018 BS level Certificate, major in Environmental Engineering), *Callie Weinert* (2019 BS level Certificate), *Jeremy Darr* (2019 BS level Certificate, major in Liberal Arts), *MicKenzie Alt* (2019 BS level Certificate, major in Liberal Arts), *Nathan Carpenter* (2021 MS level Certificate, MS in Geosciences and Geochemistry), *Carly Peach* (2021 MS level Certificate, major in Hydrogeology), *Kamie West* (2020 BS level Certificate, major in Biology), *Andrew Emerick* (2021 BS level Certificate, major in Mining Engineering), *Scott Swedberg* (2020 BS level Certificate, major in Environmental Engineering), *Jay Sellmer* (2020 BS level Certificate), *Gabriel Walsh* (2021 BS level Certificate, major in Environmental Engineering), *Kori Reilly* (2020 BS level Certificate, major in Environmental Engineering), *Erik Suhr* (2021 BS level Certificate, major in Environmental Engineering), *Christopher Howard* (2021 MS level Certificate), *Katelyn Reichle* (2021 BS level Certificate, major in Biology), *Christopher Gabrielsen* (2021 BS level Certificate, major in Biology), *Kira Overin* (2021 MS level Certificate, major in Geoscience), *Shyla Wesely Kevin* (2021 BS level Certificate, major in Environmental Engineering), *Lavelle* (BS level Certificate – Expected graduation in 2022), *Max-Henry Nelson* (BS level Certificate – Expected graduation in 2022), *Mercedes Salazar* (MS level Certificate – Expected graduation in 2022), *Erin McGowan* (MS level Certificate – Expected graduation in 2022), *Laurel Bitterman* (BS level Certificate – Expected graduation in 2022), *Barrett Hansen* (BS level Certificate – Expected graduation in 2022), *Daniel Kelly* (BS level Certificate – Expected graduation in 2022), *Daniel Kelly* (BS level Certificate – Expected graduation in 2022), *Mark Niemeir* (BS level Certificate – Expected graduation in 2022), *Bryan Chamba* (BS level Certificate – Expected graduation in 2022), *Juan Andres Changoluisa* (BS level Certificate – Expected graduation in 2022).

Graduate committee: *Alison Lunde* (2018 MT Tech – Environmental Engineering), *Cosmas Opoku Ware* (2018 MT Tech – Mining Engineering), *Hamadou Gnanou* (2018 MT Tech – Geoscience), *Isaiah Robinson* (2019 MT Tech – Master of Geosciences and Geochemistry), *John Lunzer* (2019 MT Tech – Geoscience), *Francis Inkoom* (2019 MT Tech – Mining Engineering), *Anne Marie Morse* (2021 MT Tech – Master of Geosciences and Geochemistry).

Technical advisees: *Dylan Livingston*, *Garret Karnath*, *Trent Magill*, *Mohammed Alotaibi*, *Jeremy Shupak* (2018 MT Tech – Environmental Engineering).

Hosting a Fulbright Researcher: Dr. Emily Rauschert FULBRIGHT (Pennsylvania State University) (January-July 2012), *Modeling the spread and local dynamics of invasive goldenrods in Hungary for improved management.*

RESEARCH INTEREST

Restoration Ecology

- Restoration of mining impacted landscapes
- Monitoring
- Restoration seed mix design
- Soil seed bank
- Phytoremediation

Biological Invasions

- Biogeography, phenotypic plasticity
- Plant-plant, plant-soil, plant-microorganisms and plant-herbivore interactions
- Competition, diversity loss

Ecology of anthropogenic habitats

- Ecology of arable fields, vineyards

Plant taxonomy and syntaxonomy

- Taxonomy of weeds
- Flora and vegetation mapping
- Phytosociological databases
- Weed communities (arable fields, vineyards, and ruderal habitats)
- Red lists

SELECTED RESEARCH GRANTS

- 2013-2021: Restoring Native Plant Diversity. Natural Resource Damage Program (NRDP) grant 80006-10293; PI **\$ 1,000,000**
- Proactive management models for the effects of climate change on the range expansion of invasive species. Obama Singh 21st Century Knowledge Initiative Grant 2016-2019; PI **\$ 243,900**
- Montana Tech New Faculty Seed Grant 2016-2017; PI **\$ 7,000**
- Relationship between Site Contamination and Re-vegetation Success in Butte, BNRC BAO 2016 Small Project Grant; PI **\$ 11,170**
- A Restoration Management System for Projects in Butte Area One, BNRC BAO 2016 Small Project Grant; PI **\$ 4,900**
- Montana Tech Greenhouse, BNRC BAO 2016 Small Project Grant; CO-PI **\$ 85,747**
- Comprehensive Remediation of Heavy Metal and Arsenic Contaminated Soil. MT DNRC RDPG 2016; PI **\$ 40,041**
- A GIS Model to Guide Re-vegetation Efforts in Butte, BNRC BAO 2015 Small Project Grant; PI **\$ 4,000**
- 2007-2011: Weed-Fungus-Biogeography Project (US National Science Foundation); **\$ 625,000**
- 2007-2008: V. Nationwide Weed Survey (Ministry of Agriculture and Rural Development); Collaborator **\$ 192,500**

- 2005-2007: Intensive production and utilization of biomass as a renewable energy source and security of production in ecological point of view; NKFP 3A/061/2004; Collaborator \$ **1,935,000**
- 2002-2005: "Hungarian Natural Vegetation Heritage: mapping and evaluation" NKFP (National Development Program); 3B/0050/2002; Collaborator
- 2001-2005: Phytosociological investigations of extensive cultivated arable fields in North-West-Hungary; OTKA F038119; Co-PI \$ **22,935**
- 2001-2004: Land rehabilitation by using composted wastes in South-West Hungary; 2001/173 NKFP; Collaborator \$ **1,525,000**

INTERNATIONAL AND NATIONAL RESEARCH COLLABORATIONS

- Ragan M. Callaway (University of Montana, USA), Christoph Rosche, David Nagy (Martin Luther University, Germany) – *Transcontinental research of invasive plant species*
- Emily Rauschert (Pennsylvania State University) - Emily as a Fulbright researcher has been working together with Robert Pal and Zoltán Botta-Dukát on *modeling the spread and local dynamics of invasive goldenrods in Hungary for improved management*.
- Manzoor A. Shah (University of Kashmir) – The effect of *Conyza canadensis*, *Sisymbrium loeselii*, and *Phragmites australis* on native plant diversity in the native and non-native ranges.
- Huixuan Liao (Sun Yat-sen University, China) - *Ecotypic variation in competitive ability in the native and non-native ranges of invasive species*.
- Wenbo Luo (Northeast Normal University, China) – *Plant-soil feedbacks in the case of invasive plant species*.

PEER-REVIEWED PUBLICATIONS

- Nagy D.U., Rauschert E.S.J., Callaway R.M., Henn T., Filep R., **Pal R.W.** (2022): Intense mowing management suppresses invader but shifts competitive resistance by a native to facilitation. *Restoration Ecology* 30(1): e13483 DOI: 10.1111/rec.13483
- Filep R., Lengyel A., Cook B. J., Farkas Á., Nagy K., Nagy D. U., Imri Á., Czakó-Vér K., **Pal R.W.** (2021): *Helianthus tuberosus* at home and away: stronger ecological impacts in invaded than in native range are not explained by arbuscular mycorrhizal colonization. *Preslia* 93: 363–376. DOI: 10.23855/preslia.2021.363
- Török P., Schmidt D., Bátori Z., Aradi E., Kelemen A., Hábcenyus A.A., Cando P.D., Tölgyesi C., **Pal R.W.**, Balogh N., Tóth E., Matus G., Táborská J., Sramkó G., Laczkó L., Jordán S., McIntosh-Buday A., Kovacsics-Vári G., Sonkoly J. (2021): Invasion of the North American sand dropseed (*Sporobolus cryptandrus*) – A new pest in Eurasian sand areas? *Global Ecology and Conservation* 32:e01942
- Liao H., **Pal R.W.**, Niinemets Ü., Bahn M., Cerabolini B.E.L., Peng S. (2021): Different functional characteristics can explain different dimensions of plant invasion success. *Journal of Ecology*: 109:1524–1536. **Liao H. and Pal R.W. are joint first authors.** DOI: 10.1111/1365-2745.13575
- Lucero J., Nafiseh A., Meyer S., **Pal R.W.**, Fletcher R.A., Nagy D.U., Callaway R.M., Weisser W. (2020): Escape from natural enemies depends on the enemies, the invader, and competition. *Ecology and Evolution*: 10:10818–10828 DOI: 10.1002/ece3.6737
- Nagy D.U., Rauschert E.S.J., Henn T., Cianfaglione K., Stranczinger Sz., **Pal R.W.** (2020): The more we do, the less we gain? Balancing effort and efficacy in managing the *Solidago gigantea* invasion? *Weed Research*: 60:232–240 DOI: 10.1111/wre.12417
- Osabutey A., Zodrow K., Marques P., **Pal R.W.** (2020): Amendments Activate Soil Seed Bank in Greenhouse Study, Indicating Potential for Improved Restoration Outcomes. *Ecological Restoration*.

38(4): 228-236. DOI: 10.3368/er.38.4.228

- Pal R.W.**, Maron J.L., Nagy, D.U., Waller P.W., Tosto A., Liao H., Callaway R.M. (2020): What happens in Europe stays in Europe: apparent evolution by an invader does not help at home. *Ecology*: 101(8):e03072. DOI: 10.1002/ecy.3072
- Rosche C., Hensen I., Schaar, A., Zhera U., Jasieniuk M., Callaway R., Khasa D., Al-Gharaibeh M., Lekberg Y., Nagy D., **Pal R.W.** et. al. (2019): Climate outweighs native vs. non-native range-effects for genetics and common garden performance of a cosmopolitan weed. *Ecological Monographs*: 89(4), e01386 <https://doi.org/10.1002/ecm.1386>
- Nagy D.U., Stranczinger Sz., Godi A., Weisz A., Rosche C., Suda J., Mariano M., **Pal R.W.** (2017): Does higher ploidy level increase the risk of invasion? A case study with two geo-cytotypes of *Solidago gigantea* Aiton (Asteraceae). *Journal of Plant Ecology* 11(2): 317-327.
- Filep R., **Pal R.W.**, Balazs V.L., Mayer M., Nagy D. U., Cook B.J., Farkas A. (2016): Can seasonal dynamics of allelochemicals play a role in plant invasions? A case study with *Helianthus tuberosus* L. *Plant Ecology* 217: 1489-1501.
- Henn T., Nagy D.U., **Pál R.W.** (2016): Adobe bricks can help identify historic weed flora – a case study from south-western Hungary. *Plant Ecology & Diversity* 9(1): 113-125.
- Liao H., Gurgel P.C.S., **Pál R.W.**, Hooper D., Callaway R.M. (2016): *Solidago gigantea* plants from nonnative ranges compensate more in response to damage than plants from the native range. *Ecology* 97(9): 2355–2363.
- Liao H., Luo W., **Pál R.**, Peng S., Callaway R.M. (2016): Context-dependency and the effects of species diversity on ecosystem function. *Biological Invasions* 18(10): 3063–3079.
- Henn T., **Pál R.W.** (2015): Evaluation of desiccated and deformed diaspores from natural building materials. *Ethnobiology Letters* 6 (1): 10-24.
- Ledger K.J., **Pal R.W.**, Murphy P., Nagy D.U., Filep R., Callaway R.M. (2015): Impact of an invader on species diversity is stronger in the non-native range than in the native range. *Plant Ecology* 216(9): 1285-1295.
- Maron J.L., Luo W., Callaway R.M., **Pal R.W.** (2015): Do exotic plants lose resistance to pathogenic soil biota from their native range? A test with *Solidago gigantea*. *Oecologia* 179: 447-454.
- Pal R.W.**, Chen S., Nagy D.U., Callaway R.M. (2015): Impacts of *Solidago gigantea* on other species at home and away. *Biological Invasions* 17: 3317-3325.
- Bartha S., Szentes S., Horváth A., Házi J., Zimmermann Z., Molnár Cs., Dancza I., Margóczy K., **Pál R.W.**, Purger D., Schmidt D., Óvári M., Komoly C., Sutyinszki Zs., Szabó G., Csathó A.I., Juhász M., Penksza K., Molnár Zs. (2014): Impact of mid-successional dominant species on the diversity and progress of succession in regenerating temperate grasslands. *Applied Vegetation Science* 17(2): 201-213.
- Henn T., Jacomet S., Nagy D.U., **Pál R.W.** (2014): Desiccated diaspores from building materials: methodological aspects of processing mudbrick for archaeobotanical studies and first results of a study of earth buildings in southwest Hungary. *Vegetation History and Archaeobotany* 24(3): 1-14.
- Pinke G., Csiky J., Mesterházy A., Tari L., **Pál R.W.**, Botta-Dukát Z., Czúcz B. (2014): The impact of management on weeds and aquatic plant communities in Hungarian rice crops. *Weed Research* 54:(4): 388-397.
- Shah M. A., Callaway R.M., Shah T., Houseman G. R., **Pal R.W.**, Xiao S., Luo W., Rosche C., Reshi Z. A., Khasa D.P., Chen S. (2014): *Conyza canadensis* suppresses plant diversity in its nonnative ranges but not at home: a transcontinental comparison. *New Phytologist* 202(4): 1286-1296.

- Maron J.L., Waller L.P, Hahn M.A., Diaconu A., **Pal R.W.**, Müller-Schärer H., Klironomos J.N, Callaway R.M. (2013): Effects of soil fungi, disturbance and propagule pressure on exotic plant recruitment and establishment at home and abroad. *Journal of Ecology* 101:(4): 924-932.
- Pal R.W.**, Csete S., Botta-Dukát Z., Pinke G. (2013): Composition and Diversity of Lawn Flora in Differently Managed Village Yards – A Case Study from Southwestern Hungary. *Folia Geobotanica* 48(2):209-227.
- Pal R.W.**, Pinke G., Botta-Dukát Z., Campetella G., Bartha S., Kalocsai R., Lengyel A. (2013): Can management intensity be more important than environmental factors? A case study along an extreme elevation gradient from Central Italian cereal fields. *Plant Biosystems* 147(2):343-353.
- Callaway R.M., Waller L.P., Diaconu A., **Pal R.**, Collins A.R., Mueller-Schaerer H., Maron J.L. (2011): Escape from competition: neighbors reduce *Centaurea stoebe* performance at home but not away. *Ecology* 92(12): 2208-2213.
- Pal R.W.** (2011): *Echinaria capitata* (Seslerieae, Poaceae), a new grass species for the Hungarian flora. *Acta Botanica Hungarica* 53(1–2): 175–180.
- Pinke G., Király G., Barina Z., Mesterházy A., Balogh L., Csiky J., Schmotzer A., Molnár v. A., **Pál R. W.** (2011): Assessment of endangered synanthropic plants of Hungary with special attention to arable weeds. *Plant Biosystems* 145(2): 426-435.
- Pinke G., **Pál R.W.**, Tóth K., Karácsony P., Czúcz B., Botta-Dukát Z. (2011): Weed vegetation of poppy (*Papaver somniferum*) fields in Hungary: Effects of management and environmental factors on species composition. *Weed Research* 51: 621-630.
- Morschhauser T., **Pál R.** (2010): Nutrient supply experiments by revegetation of mining wastelands. *Novenytermeles* 59: 85-88.
- Pinke G., **Pál R.**, Botta-Dukát Z. (2010): Effects of environmental factors on weed species composition of cereal and stubble fields in western Hungary. *Central European Journal of Biology* 5(2):283-292.
- Pinke G., **Pál R.** (2009): Floristic composition and conservation value of the stubble-field weed community, dominated by *Stachys annua* L. in western Hungary. *Biologia* 64: 279-291.
- Pinke G., **Pál R.**, Botta-Dukát Z., Chytrý M. (2009): Weed vegetation and its conservation value in three management systems of Hungarian winter cereals on base-rich soils. *Weed Research* 49: 544-551.
- Király G., Mesterházy A., Király A., Pinke Gy., **Pál R.** (2008): Occurrences of Nanocyperion species in West Hungary- role of Moist plough-lands in conservation. *Journal of Plant Diseases and Protection* 21: 413-418.
- Pál R.**, Csete S. (2008): Comparative analysis of the weed composition of a new energy crop (*Elymus elongatus* subsp. *ponticus* [Podp.] Melderis cv. Szarvasi-1) in Hungary. *Journal of Plant Diseases and Protection* 21: 215-220.
- Pinke G., **Pál R.** (2008): Phytosociological and conservational study of the arable weed communities in western Hungary. *Plant Biosystems*. 142(3): 491-508.
- Pinke G., **Pál R.**, Király G., Mesterházy A. (2008): Conservational importance of the arable weed vegetation on extensively managed fields in western Hungary. *Journal of Plant Diseases and Protection* 21: 447-452.
- Borhidi A., Csiky J., Lájér K., **Pál R.** (2007): *Gypsophilo paniculatae-Agropyretum repentis*, a new half-ruderal weed association. *Acta Botanica Hungarica* 49(1–2): 65–80.
- Pál R.** (2006): Verbreitung und Assoziationsverhältnisse von Zwiebelgeophyten in den Weinbergen Süd-Ungarns. *Zeitschrift f. Pflanzenkrank. und Pflanzens.* 20: 619-626.
- Pál R.**, Pinke Gy., Oláh E., Csiky J., Koltai J.P. (2006): Untersuchung der Unkrautvegetation auf überstauten Ackerflächen in Süd-West Ungarn. *Journal of Plant Diseases and Protection* 20: 567-576.

- Pinke Gy., **Pál R.**, Király G., Szendrői V., Mesterházy A. (2006): The occurrence and habitat conditions of *Anthoxanthum puelii* Lecoq & Lamotte and other Atlantic-Mediterranean weed species in Hungary. *Journal of Plant Diseases and Protection* 20: 587-596.
- Pál R.** (2004): Unkrautflora im Weinbau Süd-Ungarns. *Zeitschrift für Pflanzenkrankheiten und Pflanzenschutz* 19: 83-90.
- Pál R.** (2004): Invasive Plants threaten Segetal Weed Vegetation of South-Hungary. *Weed Technology* 18: 1314-1318.
- Pinke Gy., **Pál R.** (2002): Weed species associated with extensive production in North-Western Hungary. *Zeitschrift für Pflanzenkrankheiten und Pflanzenschutz* 18: 123-130.
- Dancza I., **Pál R.**, Csiky J. (2002): Zönologische Untersuchungen über die auf Bahngeländen vorkommenden *Tribulus terrestris*-Unkrautgesellschaften in Ungarn. *Zeitschrift für Pflanzenkrankheiten und Pflanzenschutz* 18: 159-166.

BOOKS

- Barina Z., Csiky J., Farkas S., Jakab G., Király G., Lájér K., Mesterházy A., Molnár V. A., Nagy J., Németh Cs., **Pál R.**, Pifkó D., Pinke Gy., Schmotzer A., Somlyay L., Sramkó G., Vidéki R., Vojtkó A. (2007): Red list of the vascular flora of Hungary. Király G. (ed.). Saját kiadás, Sopron, 73 pp. [ISBN 978 963 06 2774 0]
- Salamon-Albert É., **Pál R.** (eds.) (2007): Zöld Sziget – A Pécsi Tudományegyetem Botanikus Kertje. [The Botanical Garden of the University of Pécs]. Proof Stúdió Kft. Pécs. 87 pp. [ISBN 978 963 642 193 9]
- Pinke Gy., **Pál R.** (2005): Origin, habitat and protection of our weeds. Alexandra, Pécs. 232 pp. [ISBN 963 369 299 7]

BOOK CHAPTERS

- Pál R.** (2012): *Erigeron annuus*. In: Csiszár Á. (ed.): Invasive plant species in Hungary. Nyugat-magyarországi Egyetem Kiadó, pp.: 225-229. [ISBN:978-963-334-050-9]
- Pál R.** (2012): *Conyza canadensis*. In: Csiszár Á. (ed.): Invasive plant species in Hungary. Nyugat-magyarországi Egyetem Kiadó, pp.: 231-235. [ISBN:978-963-334-050-9]
- Csete S., Stranczinger Sz., Szalontai B., Farkas Á., **Pál R. W.**, Salamon-Albert É., Kocsis M., Tóvári P., Vojtela T., Dezső J., Walcz I., Janowszky Zs., Janowszky J., Borhidi A. (2011): Tall wheatgrass cultivar Szarvasi-1 (*Elymus elongatus* subsp. *ponticus* cv. Szarvasi-1) as a potential energy crop for semi-arid lands of Eastern Europe. In: Nayeripour M., Keshti M. (eds.): Sustainable Growth and Applications in Renewable Energy Sources. InTech, Rijeka, pp. 1-26. (ISBN:979-953-307-889-1)
- Pál R.**, Purger D., Dénes A. (2010): Pécsi-síkság – Vegetation. – In: Dövényi Z. (ed.): Magyarország kistájainak katasztere. MTA Földtudományi Kutatóintézet, Budapest, p.: 509. [ISBN 978-963-9545-29-8] (in Hungarian)
- Purger D., **Pál R.**, Dénes A. (2010): Dél-Baranyai-dombság – Vegetation. In: Dövényi Z. (ed.): Magyarország kistájainak katasztere. MTA Földtudományi Kutatóintézet, Budapest, pp.: 519-520.
- Pál R.**, Purger D., Dénes A. (2008): Vegetation of the Pécsi-síkság. – In: Király G., Molnár Zs., Bölöni J., Csiky J., Vojtkó A. (eds.): Magyarország földrajzi kistájainak növényzete. MTA ÖBKI, Vácrátót, p.: 134. [ISBN 978-963-8391-44-5] (in Hungarian)
- Purger D., **Pál R.**, Dénes A. (2008): Vegetation of the Dél-Baranyai-dombság. – In: Király G., Molnár Zs., Bölöni J., Csiky J., Vojtkó A. (eds.): Magyarország földrajzi kistájainak növényzete. MTA ÖBKI, Vácrátót, p.:137. [ISBN 978-963-8391-44-5] (in Hungarian)

- Pál R.** (2007): Rare and valuable weeds of slope steppes and loess steppes. - In: Illyés E., Bölöni J. (eds.): Slope steppes, loess steppes and forest steppe meadows in Hungary. Life Project & MTA ÖBKI, Budapest, pp.: 45-47. [ISBN 978-963-06-3673-5].
- Pál R.** (2006): Bulbous weeds. In: Ujhelyi P., Molnár V. A. (eds.): Fungi and vascular plants of the Carpathian Basin. *Élővilág Enciklopédia II.* Kossuth Kiadó, Budapest, p.: 183. [ISBN 963 09 4851 6] (in Hungarian)

ACADEMIC PUBLICATIONS IN HUNGARIAN WITH ENGLISH ABSTRACT

- Henn T., Czigler M., **Pál R.** (2014): Weeds in adobe walls: changes and decline of the Hungarian weed flora. *Növényvédelem* 50(7): 331-338.
- Henn T., **Pál R.** (2012): Weed Vegetation of the vineyards in the Pécsely-Basin II. *Növényvédelem* 48(7): 311-318.
- Henn T., **Pál R.** (2011): Weed Vegetation of the vineyards in the Pécsely-Basin. *Növényvédelem* 47(12): 489-496.
- Karácsony P., Tóth K., Pinke G., **Pál R.** (2011): Poppy production in Hungary – an economical review. *Gazdálkodás* 55(5): 529-533.
- Pinke Gy., Tóth K., Karácsony P., **Pál R.** (2011): Weed survey of poppy fields in Hungary. *Növényvédelem* 47(4): 137-143.
- Erdős L., Kovács Gy., Tóth V., Dénes A., **Pál R.** (2010): Contributions to the flora of the Villány-Montains. *Botanikai Közlemények* 97(1-2): 97-112.
- Henn T. **Pál R.** (2010): Changes of weed composition of arable fields during the last four decades in Baranya County. *Hungarian Weed Research and Technology* 11(2): 19-30.
- Pál R.**, Henn T., Nyulasi J. (2010): Data to the Weed Flora of Southern Transdanubia. *Baranya Megyei Múzeum Dunántúli Dolgozatok Természettudományi Sorozat.* 12: 97-135.
- Pál R.**, Pinke Gy., Szalontai B. (2007): Vegetation of vernal pools in Belső-Somogy. *Somogyi Múzeumok Közleményei* 17: 41–56.
- Pál R.**, Pinke Gy. (2007): New data to the flora of Dráva Plain with special regard to the weeds. *Kitaibelia* 12(1): 80-87.
- Pál R.** (2007): Weed vegetation of vineyards in the Mecsek and the Tolna-Baranya hill-country. *Kanitzia* 15: 77-244.
- Pinke Gy., **Pál R.**, Schmidt D., Dancza I., Farkas S., Nagy A. (2006): The current occurrence of *Agrostemma githago* in Hungary. *Hungarian Weed Research and Technology* 7(1): 63-81.
- Pál R.** (2006): Endangered weeds of the Hungarian vineyards. *Acta Agronomica Óváriensis* 48(2): 127-135.
- Pál R.**, Pinke Gy. (2006): *Panicum dichotomiflorum* Michaux., a new weed species in the Hungarian summer annual crops. *Acta Agronomica Óváriensis* 48(2): 137-144.
- Pinke Gy., **Pál R.** (2006): Arable weed vegetation of Somogy region. *Natura Somogyiensis* 9: 63-78.
- Pinke Gy., **Pál R.**, Király G., Szendrődi V. (2006): Data to the weed flora in Somogy region (South-West Hungary). *Botanikai Közlemények* 93(1-2): 53-68.
- Csiky J., Farkas S., Király G., **Pál R.**, Purger D., Tóth I. Zs. (2005): Rediscovery of *Cirsium boujartii* (Pill. et Mitterp.) Schultz Bip. in Hungary. *Flora Pannonica* 3: 69-77.
- Pinke Gy., **Pál R.**, Király G., Szendrődi V., Mesterházy A. (2005): Occurrences of Atlantic-Mediterranean weed species in Hungary. *Flora Pannonica* 3: 59-67.
- Pinke Gy., **Pál R.**, Mesterházy A., Király G., Szendrődi V., Schmidt D., Ughy P., Schmidmajer Á. (2005): Data to the weed flora in North-western Hungary II. *Kitaibelia* 10(1): 154-185.
- Pál R.** (2002): Weed floristical rarities from the Mecsek Flora Region. *Kitaibelia* 7(2): 225-230.

Pinke Gy., **Pál R.** (2001): Data to the weed flora in the Lesser Plain of North-Western Hungary. *Kitaibelia* 6(2): 381-400.

Pinke Gy., **Pál R.** (2001): Distribution of *Centaurea cyanus* L. on arable land of Little Plain in North-Western Hungary. *Kitaibelia* 6(1): 107-112.

Pinke Gy., Czímber Gy., **Pál R.** (1999): *Chorispora tenella* (Pall.) Dc in the Szigetköz. *Kitaibelia* 4(2): 287-288.

NATIONAL AND INTERNATIONAL CONFERENCES

- 2021 December 13-17 - AGU Fall Meeting. New Orleans, LA.
- 2021 November 11-14 - 13th Conference on 'Advances in research of the flora and vegetation in the Carpathian Basin'. Debrecen, Hungary. (invited keynote speaker)
- 2021 October 20-21 - Clark Fork Basin Annual Meeting.
- 2021 February 9 - AAAS Annual meeting on Understanding Dynamic Ecosystems. (Session Organizer and Speaker)
- 59th Annual Conference of the Pacific Northwest Air & Waste Management International Section (PNWIS), October 23-25, Butte, Montana, 2019
- 8th World Conference on Ecological Restoration. September 24-28, Cape Town, South Africa, 2019
- Ecological Society of America 99th, 100th, 101th, 102th, 103rd, 104th Annual Meeting (Sacramento 2014, Baltimore 2015, Fort Lauderdale 2016, Portland 2017, New Orleans 2018, Louisville 2019)
- Mine Design, Operations & Closure Conference. May 7-9, Fairmont Hot Springs, Montana, 2019
- Society of Ecological Restoration – Northwest Chapter – Joint Regional Conference. October 15-18, Spokane, USA 2018
- SME Annual Conference & Expo & 91st Annual Meeting of the SME-MN Section, February 25-28, Minneapolis, 2018.
- 47th, 61st Annual Symposium, International Association of Vegetation Science (Hawaii, USA 2004, Bozeman, USA 2018)
- International Congress of Ecology. August 20-25, Beijing, China 2017
- 7th, 11th, 12th, 13th, 15th International Conference on the Ecology and Management of Alien Plant Invasions (Fort-Lauderdale, Florida, USA 2003, Szombathely, Hungary 2011, Pirenopolis, Brazilia 2013, Waikoloa, Hawaii, USA 2015, Lisboa, Portugal 2017)
- Yellowstone Studies Center Consortium Fall Conference. October 20-23, West Yellowstone, USA, 2016
- American Society of Mining and Reclamation Conference. June 4-9, Spokane, USA 2016
- Annual Meeting of the Weed Science Society of America (Baltimore – USA 2013)
- 9th Recent Floristic and Vegetation Research in Carpathian Basin International Conference, Gödöllő (2012)
- 15th, 16th, 17th, 18th, 19th European Vegetation Survey Workshop (Catania, Rome, Brno, Pécs 2006, 2007, 2008, 2009, 2010)
- 9th Alps-Adria Scientific Workshop (Špičák, Czech Republic, 2010)
- 15th EWRS (European Weed Research Society) Symposium (Kaposvár, Hungary 2010)
- 21st, 22nd, 23rd, 24th German Conference on Weed Biology and Weed Control (Stuttgart, Hohenheim 2002, 2004, 2006, 2008)

- “Transcontinental Perspectives on Environmental Change” University of Montana - University of Pécs Joint Conference (USA, Missoula 2008)
- XVII. International Botanical Congress (Vienna, Austria 2005)
- EEAC Conference (Oxford, England 2005)
- First International Conference on Traditional Agroecosystems (Nitra, Slovakia 2005)

PROFESSIONAL ACTIVITIES

- Associate editor of Management of Biological Invasions, 2020-
- Guest Editor for special issue in Diversity, 2020-
- Member of the Editorial Board for Folia Oecologica, 2018-
- Associate Editor for Acta Botanica Hungarica, 2017-
- Reviewer for FULBRIGHT grants, 2016-
- Associate Editor for the Intermountain Journal of Sciences, 2015-
- Associate Editor for the Journal of Biology and Earth Sciences, 2011-
- Reviewer for the following peer-reviewed journals: Plant Ecology and Diversity, Biological Invasions, International Journal of Mining, Journal of Environmental Management, Reclamation and Environment, Intermountain Journal of Sciences, Intermountain Journal of Sciences, Ecology, Plant Ecology and Diversity, Journal of Applied Ecology, Annals of Botany, Ecology, Invasive Plant Ecology, Journal of Biology and Earth Sciences, Restoration Ecology, Ecotoxicology and Environmental Safety, Ecosphere, Folia Geobotanica, Oecologia, Biologia Futura, Canadian Journal of Forest Research.

MEMBERSHIPS

- Society of Ecological Restoration (2019-)
- International Association for Vegetation Science (2018-)
- Ecological Society of America (2014-)
- Montana Native Plant Society (2012-)
- Botanical Working Group of the Academic Committee Pécs (2005-)
- Hungarian Weed Research Society (2005-)
- Carpathes Nature Conservation Foundation (member of the Advisory Board, 2002-)
- Hungarian Ornithological and Nature Conservation Society (1987-)

COMMITTEES SERVED

- Merit Committee (2021)
- Rose and Anna Busch Committee Member (2021)
- Strategic Planning Team (2020-)
- Faculty Senate Committee (from 2020- substitute for Ryan Stapley)
- Responsible Professor for the Ecological Restoration MS Program at Montana Tech (2020-)
- Distinguished Researcher Awards Committee Chair (2020)
- Distinguished Researcher Awards Committee Member (2019)
- Space and Refresh Campus Committee at Montana Tech (2019-2020)
- Montana Tech Campus Landscape Committee (2017-)

- Biology Representative on the Research Advisory Committee at Montana Tech (2016-2021)
- Search Committee Member of the Vice Chancellor for Research and Dean of the Grad School (VCR/D) Search Committee, and of the search committees of two assistant professors in Biological Sciences (Dr. Joel Graff - 2015, Dr. Ryan Stapley - 2016)
- Doctoral Committee, University of Pécs, Hungary (Ph.D. & Habilitation Affairs) (2008-2012)

COMMUNITY SERVICE

- Vice President of the Montana Native Plant Society (2021-)
- Providing technical support for the Butte Reclamation and Evaluation System (2017-)
- Scientific advisor for Tizer Botanic Gardens (2017-)
- Volunteer for Citizens Technical Environmental Committee (CTEC) of Butte, Montana (2015-)
- Volunteer for Restore our Creek Coalition (2015-)
- Volunteer for Clark Fork Watershed Education Program (2015-)
- Volunteer for Montana Native Plant Society (2015-)