

Balázs Deák

Curriculum vitae

Scientific and Professional Career

- 2020– Scientific advisor, MTA-ÖK Lendület Seed Ecology Research Group
- 2015–2019 Research fellow then assistant professor, University of Debrecen, Ecological Department
- 2015–2019 Research fellow, MTA-DE Biodiversity and Ecosystem Services Research Group, University of Debrecen, Ecological Department
- 2012–13 Marie Curie fellow, Change Habitats2 FP7 project
- 2006–12 Ecologist and project manager at Hortobágy National Park Directorate

Current Research Topics / Expertise

Grassland biodiversity; Ecology of fragmented and isolated habitats; Effects of landscape and local environmental factors on the biodiversity of dry semi-natural grasslands; Effects of small scale environmental heterogeneity on the species composition of grasslands; Application of remote sensing in habitat mapping and quality assessment; Grassland restoration and management; Prescribed burning and fire ecology; Succession and vegetation dynamics

Scientometrics

Total impact factor: 171.709

H-index on Google Scholar: 27

Citations on Google Scholar: 2070

Author of 99 scientific papers (61 papers in impacted journals, 14 other peer-reviewed papers in English, 24 peer-reviewed papers in Hungarian) and 18 book chapters

Grants and awards

- 2018 - Book publishing grant of the Hungarian Academy of Sciences
- 2018 - New National Excellence - Bolyai Plus post-doctoral grant
- 2017- Grant of the New National Excellence Program
- 2016- Bolyai János Scholarship of the Hungarian Academy of Sciences
- 2015- Hungarian Research Grant (Grant Agreement Number: PD 115627)
- 2015- International Conference Grant of the Hungarian Academy of Science 2015 (SER 2015, Montpellier)
- 2015 Campus Hungary Mobility Grant (Germany, Austria)

- 2012-13 Marie Curie research grant (Change Habitats2 FP7-es project, Grant Agreement Number: 251234)
- 2014 International Conference Grant of the Hungarian Academy of Science 2014 (EDGG 2014, Tula)
- 2012 Outstanding College Textbook Award for the “Deák, B., Kapocsi, I., Török, P. (2012): Practical application of grassland restoration in nature conservation – aims, methods and results [Természetvédelmi célú gyeptelepítések alkalmazása a gyakorlatban - célok, módszerek és eredmények in Hungarian]. In: Kozák Lajos (ed.) Természetvédelmi élőhelykezelés. Budapest: Mezőgazda Kiadó, pp. 143-145.” publication.
- 2011 Best LIFE Nature project 2010 (coordinator of botanical monitoring)

Participation in scientific research projects

- 2018-2020: 'The role of habitat and landscape factors in grassland community assembly' (NKFI KH 130338, principal investigator)
- 2017-2021: 'Plant diversity in fragmented rural landscapes – Linear elements and human-mediated dispersal' (NKFI FK 124404; senior researcher)
- 2015-2018: Hungarian Research Grant; 'Testing environmental and landscape factors as drivers of diversity in dry grassland fragments' (Grant Agreement Number: OTKA PD 115627, principal investigator)
- 2014-2015: Deutsche Bundesstiftung Umwelt; 'Pro-SEED - Large-scale grassland restoration: the use of establishment windows and high diversity seeding by the knowledge transfer of regional seed propagation to Hungary' (research fellow)
- 2013-2014: Internal Research Grant of the University of Debrecen 'Propagule and microsite limitation in grassland dynamics by seed addition and biomass removal experiments' (participant)
- 2012-2013: 'Change Habitats2' FP7 project (Grant Agreement Number: 251234, research fellow)
- 2011-2013: KEOP Project; 'Az INSPIRE irányelv bevezetése és gyakorlati alkalmazása az e-környezetvédelem területén' (Grant Agreement Number: KEOP-6.3.0/2F/09-2010-0012, participant)

Participation in scientific and social activities

- Chair and organizer of the “Remote sensing in conservation monitoring Special Session in the SER 2016 conference (Freising, 22-26, August, 2016)
- Organizer and chair of the 'Large-scale grassland restoration: high diversity seeding and knowledge transfer of regional seed propagation to Hungary' workshop (Hortobágy, 9-10, April 2015) supported by the Deutsche Bundesstiftung Umwelt
- Taking part in the organisation of the field workshop of the 'Nature that counts - Monitoring biodiversity' EUROPARC conference (9-13, October, 2013)

- President of the Salvia Environmental and Nature Protection Association; organising and giving lectures for students, coordinating grassland restoration and management projects on kurgans, coordinating volunteers

Editorial and reviewer activity

- Guest editor in chief of the 12th and 13th EDGG Special Feature in the journal *Tuexenia* (2016-)
- Guest editor of the 11th EDGG Special Feature in the journal *Tuexenia* (2016)
- Reviewer in the Journals: Ecological Engineering, Acta Oecologica, Biologia, Restoration Ecology, Ecological Indicators, Plant Biosystems, Agriculture, Ecosystems and Environment, Applied Vegetation Science, Land Degradation and Development, Plant Ecology, Nordic Journal of Botany, Community Ecology, Acta Societatis Botanicorum Poloniae, International Journal of Ecology, Notulae Botanicae Horti Agrobotanici Cluj-Napoca, Journal of Agricultural Science and Technology, The Scientific World Journal, Kitaibelia, Természetvédelmi Közlemények, Gyepgazdálkodási Közlemények

Participation in nature conservation projects

- Complex habitat rehabilitation of the Central Bereg Plain, Northeast Hungary (LIFE04 NAT/HU/000118), project co-ordinator.
- Grassland restoration and marsh protection in Egyek-Pusztakócs LIFE project (LIFE04 NAT/HU/000119), botanical monitoring. The project was awarded by the Best LIFE project in 2010
- Restoration and management of forests and wooded pastures in the HNPD (KEOP-7.3.1.2/09-2010-0004), co-ordinator.
- Nature conservational developments in the area of the Egyek-Pusztakócs-marshland (KEOP-3.1.2/2F/09-11-2011-0009), co-ordinator.
- Moderating the negative effects of linear infrastructures (highways, electric wires) in the HNPD (KEOP-3.1.2/2F/09-2010-0013), co-ordinator.

Teaching expertise

- Lecturer and supervisor at the University of Debrecen and the Juhász Nagy Pál Doctorate School.
- PhD courses: Conservation in practice I-II. Role of habitat islands in nature conservation
- MSc courses: Conservation biology, Ecology in nature conservation, Ecological modelling
- BSc courses: Ecology in nature conservation, Theoretical ecology, Conservation biology