Curriculum Vitae (26 08 2020)
Katalin TÖRÖK PhD, Dr. Habil.

Nationality: Hungarian
Gender: Female
Date of birth: 14 03 1954
Email: torok.katalin@okologia.mta.hu
Main research experience: restoration ecology, biodiversity monitoring, science-policy interface

Affiliation: Centre for Ecological Research, Institute of Ecology and Botany. Vácrátót, 2163 Alkotmány u. 2-4. Hungary. Tel: +36 28 360 122 Fax: +36 28 360 110

Position: research associate professor at the above Institute since 1977

Education: MSc in biology (1977) and PhD in vegetation science (1996) at the Eötvös Lóránd University, Budapest, Hungary. Habilitation (2008) at the Szent István University, Gödöllő, Hungary

Language skills: English and German (medium level national exam C), French (high level national exam C); English used in negotiations and scientific discussion.

Functions:
Coordinator of the Hungarian Biodiversity Monitoring System
National Focal Point for the Global Terrestrial Observing System
Steering Committee member of the European Platform for Biodiversity Research Strategy
Advisory Group member to the EEA SOER2005 subreport "Halting biodiversity loss"
Member of the UNESCO MAB National Committee
Coordinator of BioStrat EU FP6 project
National contact for LifeWatch European Distributed Research e-Infrastructure
IPBES Expert Group member of scoping for "Land Degradation and Restoration" (task 3bi)
IPBES review editor of "Land Degradation and Restoration" (task 3bi)
IPBES member of the Multidisciplinary Expert Panel (MEP) since 2017[1]

Main interests and research activities:
Based on phytosociological and vegetation research carried out after graduation focusing on rocky grassland communities, I have detected the degradation of natural habitats. At the late 1980s I turned my research interest to restoration ecology and carried out several projects aiming to find effective methods to restore degraded sand grasslands. In 1996 my

[1] https://ipbes.net/multidisciplinary-expert-panel

international career started by participating in the development of the first Hungarian LTER site (Long-term Ecological Research Network) in collaboration with the US LTER network, resulting a joint US-Hungarian research project. My later experimental projects were carried out at the KisKun LTER site.

A long collaboration with the national nature conservation and science-policy interactions started in 1997, when I became the coordinator of the Hungarian Biodiversity Monitoring System and assisted in the launch of activities, hosted by the Ministry for Environment and Rural Development. For eight years the governance of the System was led by me, and resulted in a continuous national biodiversity monitoring and building of the database[2]. My experience in the science-policy interface expanded to the international arena when I coordinated the BioStrat EU FP6 project of 34 partners with the task of developing the European biodiversity research strategy. The biodiversity knowledge project[3] developed on the basis of BioStrat and aimed to help all societal actors in the field of biodiversity and ecosystem services to make better informed decisions. I was the coordinator at national level. I am member of the Steering Committee of the European Platform for Biodiversity Research Strategy[4] (EPBRS). Being the chair of the official Presidency Meeting: Conference of the EPBRS, Research Priorities to Sustain Ecosystem Services (27-30 April 2011, Budapest) greatly contributed to my experience related to biodiversity and ecosystem services sciences-policy interface.

I was member of the scoping team for IPBES Land Degradation and Restoration assessment, and later became one of the review editors. I was approved as a replacement for ECA region in the MEP during the IPBES 5 Plenary and since I am working as a MEP member. I have been re-elected for the second term as MEP member representing the Eastern European States.

Social and organizational skills:
Good ability to communicate, organize and work together with researchers from different countries and students was developed during the last 25-30 years of project participation, coordinating, chairing of sessions, organizing international conferences and PhD tutoring. Two students successfully graduated in 2019. Presently I have two PhD students from overseas (Brazil, Ecuador).

Selected recent papers of Katalin Török

1. Cevallos, D.; Bede- Fazekas, Á.; Tanács, E.; Szitár, K.; Halassy, M.; Kövendi- Jakó, A.; **Török, K**. (2020) Seed transfer zones based on environmental variables better reflect variability in vegetation than administrative units: evidence from Hungary. RESTORATION ECOLOGY. IF: 3,004 (2019) Q1
2. Kövendi- Jakó, A.; Szitár, K.; Halassy, M.; Halász, K.; Mojzes, A.; **Török, K**. (2020) Effect of seed storing duration and sowing year on the seedling establishment of grassland species in xeric environments. RESTORATION ECOLOGY. IF: 3,004 (2019) Q1
3. Reis, B. P., Kövendi- Jakó, A., Szitár, K., **Török, K.,** & Halassy, M. (2020) Long-term effect of mowing on the restoration of Pannonian sand grassland to replace invasive black locust plantation. RESTORATION ECOLOGY. (in press)

[2] www.termeszetvedelem.hu/nbmr
[3] www.biodiversityknowledge.eu
[4] www.epbrs.org

4. Kövendi- Jakó, A., Szitár, K., Halassy, M., Halász, K., Mojzes, A., & **Török, K**. (2020) Effect of seed storing duration and sowing year on the seedling establishment of grassland species in xeric environments. RESTORATION ECOLOGY. (in press)

5. Kövendi-Jakó A, Halassy M, Csecserits A, Hülber K, Szitár K, Wrbka T, **Török K** (2019) Three years of vegetation development worth 30 years of secondary succession in urban-industrial grassland restoration, APPLIED VEGETATION SCIENCE 22: (1) pp. 138-149.

6. Halassy M, Botta-Dukát Z, Csecserits A, Szitár K, **Török K** (2019) Trait-based approach confirms the importance of propagule limitation and assembly rules in old-field restoration, RESTORATION ECOLOGY 27: (4) pp. 840-849.

7. **Török K**, Horváth F, Kövendi-Jakó A, Halassy M, Bölöni J, Szitár K (2019) Meeting Aichi Target 15 Efforts and further needs of ecological restoration in Hungary, BIOLOGICAL CONSERVATION 235: pp. 128-135.

8. **Török K**, Csecserits A, Somodi I, Kövendi-Jakó A, Halász K, Rédei T, Halassy M (2018) Restoration prioritization for industrial area applying Multiple Potential Natural Vegetation modelling, RESTORATION ECOLOGY 26: (3) pp. 476-488.

9. Szitár K, Kröel-Dulay G, **Török K** (2018) Invasive Asclepias syriaca can have facilitative effects on native grass establishment in a water-stressed ecosystem, APPLIED VEGETATION SCIENCE 21: (4) pp. 607-614.

10. **Török K**, Csecserits A, Somodi I, Kövendi-Jakó A, Halász K, Rédei T, Halassy M (2017) Restoration prioritization for industrial area applying Multiple Potential Natural Vegetation modelling. Restoration Ecology, Online first http://dx.doi.org/10.1111/rec.12584

11. Peti E, Schellenberger J, Németh G, Málnási Csizmadia G, Oláh I, **Török K**, Czóbel Sz, Baktay B (2017) Presentation of the HUSEEDwild – a seed weight and germination database of the Pannonian flora – through analysing life forms and social behaviour types. *Applied Ecology and Environmental Research* 15:(1) pp. 225-244.

12. Kövendi-Jakó A, Csecserits A, Halassy M, Halász K, Szitár K, **Török K.** (2017) Relationship of germination and establishment for twelve plant species in restored dry grassland *Applied Ecology and Environmental Research* Online first: pp. 227-238.

13. Nesshöver, C., Vandewalle, M., Wittmer, H., Balian, E. V., Carmen, E., Geijzendorffer, I. R., Görg, C., Jongman, R., Livoreil, B., Santamaria, L., Schindler, S., Settele, J., Sousa Pinto, J., **Török, K**., van Dijk, J., D. Watt, A., Young, JC., Zulka KP., the KNEU Project Team (2016). The Network of Knowledge approach: improving the science and society dialogue on biodiversity and ecosystem services in Europe. *Biodiversity and Conservation*, *25*(7), 1215-1233.

14. **Török, K**., Szilágyi, K., Halász, K., Zsigmond, V., Kósa, G., Rédei, T., E. Peti , J. Schellenberger Z.Tóth, Szitár, K. (2016). Seed collection data encompassing half of the vascular flora of the Pannonian Ecoregion stored by the Pannon Seed Bank. *Acta Botanica Hungarica*, *58*(3-4), 435-445.

15. Halassy, M., Singh, A. N., Szabó, R., Szili- Kovács, T., Szitár, K., & **Török, K.** (2016). The application of a filter- based assembly model to develop best practices for Pannonian sand grassland restoration. *Journal of Applied Ecology*. 53: (3) *pp. 765-773.*

16. Mihók, B., Kovács, E., Balázs, B., Pataki, G., Ambrus, A., Bartha, D., Czirák Z., Csányi S., Csépányi P., Csőszi M., Dudás, G. Egri Cs., Erős T., Gőri Sz., Halmos G., Kopek A., Margóczi K., Miklay G., Milon L., Podmaniczky L., Sárvári J., Schmidt A., Sipos K., Siposs V., Standovár T., Szigetvári Cs., Szemethy L., Tóth B., Tóth L.,Tóth P., **Török K.,** Török P., Vdász Cs., Varga I., Sutherland WJ., Báldi A. (2015). Bridging the research-practice gap: Conservation research priorities in a Central and Eastern European country. *Journal for Nature Conservation*, *28*, 133-148.

17. **Török, K.,** Szitár, K., Halassy, M., Szabo, R., Szili- Kovács, T., Barath, N., & Paschke, M. W. (2014). Long- term outcome of nitrogen immobilization to restore endemic sand grassland in Hungary. *Journal of Applied Ecology*, *51*(3), 756-765.

18. Eriksen, R. L., Hierro, J. L., Eren, Ö., Andonian, K., **Török, K.,** Becerra, P. I., ... & Kesseli, R. (2014). Dispersal pathways and genetic differentiation among worldwide populations of the invasive weed Centaurea solstitialis L.(Asteraceae). *PloS one*, *9*(12), e114786.

19. Czúcz, B., Molnár, Z., Horváth, F., Nagy, G. G., Botta-Dukát, Z., & **Török, K.** (2012). Using the natural capital index framework as a scalable aggregation methodology for regional biodiversity indicators. *Journal for Nature Conservation*, *20*(3), 144-152.

20. Csecserits, A., Czúcz, B., Halassy, M., Kröel-Dulay, G., Rédei, T., Szabó, R., ... & **Török, K**. (2011). Regeneration of sandy old-fields in the forest steppe region of Hungary. *Plant Biosystems-An International Journal Dealing with all Aspects of Plant Biology*, *145*(3), 715-729.

21. Szili-Kovács, T., Szabó, R., Halassy, M. & **Török, K.** (2011) Restoration of a sandy grassland by the application of various carbon sources promoting the immobilization of soil nitrogen. *Agrokémia és Talajtan*, 60 (Suppl.), 255–266.

22. **Török, K.,** & Szitár, K. (2010). Long-term changes of rock grassland communities in Hungary. *Community Ecology*, *11*(1), 68-76.