

Profile

Research science
Biology, Ecology

Skills

Data analysis

Ecological and environmental data analysis
Visualization techniques, graphical procedures

Statistics

Advanced statistical techniques: GLM, MM, GEE, nonlinear methods, multivariate analysis, cluster analysis, matrix algebra
Spatially-explicit mathematical modeling, Geostatistics, Remote sensing data analysis
Evolutionary and phylogenetic methods
Epidemiological analysis
Geometric morphometrics

Languages

Slovak, Czech
English

Technical

R programming
GIS
GRASS GIS, QGIS
SAGA
SAM

Professional experience

2011 – 2014 and 2016 – 2018 Praha, Czech Republic
Center for Theoretical Study, Charles University and the Czech Academy of Sciences

Research associate

Specialization: Macroecology, Biogeography, Global patterns of biodiversity and life-history strategies

2011 – present Praha, Czech Republic
Charles University, Faculty of Science

Lecturer

Semestral course of R programming

2018 – present České Budějovice, Czech Republic
University of South Bohemia, Faculty of Science

Research associate

Specialization: Evolutionary biology, Human evolution

2018 – present Praha, Czech Republic
Charles University, Faculty of Science

Research associate

Specialization: Morphometrics of human faces

2016 – 2018 Praha, Czech Republic
**Institute of Experimental Medicine AV ČR, Department of the Molecular
Biology of Cancer**
Statistician
Specialization: Epidemiology of colorectal cancer

2015 – 2016 Praha, Czech Republic
Center for Tropical Biology, project Excellence GAČR
Research associate

Specialization: Macroecology and biodiversity of African avifauna

Education

2011 – present **Ph.D. program**
Charles University, Faculty of Science
Department of Ecology

2006 – 2011 **Master's degree program** (Master of Science in Biology – Mgr.)
Charles University, Faculty of Science
Department of Ecology

Publications

Productive environments host colourful birds: Geographical patterns in avian plumage colouration in South Africa. Tószögyová, A., Hořák, D., Kubíková, T., Storch, D. (unsubmitted manuscript).

Avian duetting and female solo songs are associated with territoriality and environmental stability in songbirds of South Africa. Mikula, P., Tószögyová, A., Hořák, D., Petrusková, T., Storch, D. & Albrecht, T. (2019). *Behavioral Ecology*.

Global diversity patterns are modulated by temporal fluctuations in primary productivity. Tószögyová, A. & Storch, D. (2019). *Global Ecology and Biogeography*.

Factors influencing sun basking behaviour in red wood ants (*Formica polyctena*), a field experiment on clustering and phototaxis. Kadochová, Š., Frouz, J., Tószögyová, A. (2019). *Journal of Insect Behavior* 32(2): 164-179.

Spatial patterns and climate relationships of major plant traits in the New World differ between woody and herbaceous species. Šímová, I., Violle, C., Svenning, J.-C., Kattge, J., Engemann, K., Sandel, B., Peet, R.K., Wiser, S.K., Blonder, B., McGill, B.J., Boyle, B., Morueta-Holme, N., Kraft, N.J.B., Bodegom, P.M., Gutiérrez, A.G., Bahn, M., Ozinga, W.A., Tószögyová, A. & Enquist, B.J. (2018). *Journal of Biogeography* 45(4): 1-22.

Relative food limitation drives geographical clutch size variation in South African passerines: A large-scale test of Ashmole's seasonality hypothesis. Hořák, D., Tószögyová, A. & Storch, D. (2015). *Global Ecology and Biogeography* 24(4): 437-447.

Geographic variation in avian clutch size and nest predation risk along a productivity gradient in South Africa. Hořák, D., Sedláček, O., Tószögyová, A., Albrecht, T., Ferenc, M., Jelínek, V. & Storch, D. (2011). *Ostrich* 82(3): 175-183.
