

CSONGOR ISTVÁN GEDEON

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EDUCATION

Eötvös Loránd University, Budapest

Ph.D. in Biology-Ethology, Summa cum Laude May 2012

Dissertation: “*Environmental factors and intrinsic processes affecting habitat use of ground squirrels: putting science into conservation practice (in Eng.)*” Supervisors: Vilmos Altbäcker and Lee C. Drickamer

József Attila University, Szeged

M.Sc. in Biology-Ecology (Major), Minored in Archaeology (without degree) June 1998

Undivided courses (BSc+MSc), Graduated Cum Laude (GPA 3.6)

Thesis: “*Determination of behavioral types of Westland lowland gorillas in captivity and its quantitative assessment: a potential management tool for translocations (in Hun.)*” Advisors: László Gallé and István Vidákovits

GRANTS, HONORS, AWARDS (last 10 years)

Fulbright Scholar-in Residence, Augustus 10, 2023-April 30, 2024;

European Crucible 2022 Award, European Cohort 2022 (4 virtual labs);

MEC_R_21 Conf. Grant, ECCB2022 (poster) and EGU2023 (oral) August 2022/April 2023;

OeAD Scholarship to Univ. of Vet. Med. of Vienna, Austria, *Modelling population density fluctuations of European sousliks in Hungary between 2000 and 2020*, Aug 2021;

OECD Fellowship to Dickinson State Univ., Dickinson, ND, USA, *Mega- and meso-fauna diversity and abundance, and microbial biomass in agricultural grasslands*, May-October, 2018;

JSPS Postdoctoral Fellowship to Kyoto University, Japan, *Monitoring soil biological activity by using a novel tool: EDAPHOLOG-System— system building and field testing*. Nov. 2012-Oct. 2014;

RESEARCH AND TEACHING EXPERIENCE (last 10 years)

Senior Research Fellow, Dep. of Soil Mapping and Env. Informatics, Ins. for Soil Sciences, 2016 to present, *Detect animal burrows remotely, non-invasively, and automatically; Population ecology of endangered ground squirrels; Survey, map animal burrows by geophysical methods;*

Co-teaching (2023 FALL ESC 115-01 and 02 Basic Physical Geology Labs, Prof. Dale Easley) and Special course (2024 SPRING ESC) at the University of Dubuque, Iowa, USA;

Participate in the *Soil Ecosystem seRvices and soil threats modElling aNd mApping (SERENA)* project. (EJP SOIL 2nd Internal Call; European Union’s Horizon 2020 research and Innovation program under grant agreement No. 862695, 2021-2024.);

Doctorate School of Environmental Sciences, Eötvös Loránd Uni., Budapest, Hungary, Thesis topic announcer: *Developing non-invasive population estimation methods by combining near-surface remote sensing and machine learning techniques and ecological research to help manage protected soil megafauna species (https://doktori.hu);*

Research Fellow, Ins. Soil Sci., (Participate in Res. Grant (OTKA 105789): *Effect of weeds on nutrient and moisture content of soils Agro-ecology and Soil Fertility* Research Group, PI: Éva Lehoczky, 2014 to 2016;

PUBLICATIONS AND PRESENTATIONS

<https://m2.mtmt.hu/api/author/10019720?&labelLang=eng>

FOREIGN LANGUAGES

English: IELTS General Training, overall 7.5: L7.5, R7.0, W8.0, S8.0 (2012); IELTS Academic module, overall 7.5: L7.5, R8, W6.5, S8 (2012); Spanish: Basic-Intermediate level; Ivrit: Bilingual State-accredited Language Exam Certificate, Intermediate Level (2002);

COMPUTER/ TECHNICAL SKILLS

Statistica software, basics in R, R Studio, Reflex W, Mala GPR System, Certificate in “*Interpreting GPR Data, Part I and IP*”, 12 September 2021, Sensors and Software Inc. (Online training);

ACTIVITIES (MEMBERSHIPS AND EDITORSHIP)

Public Body of the Hungarian Academy of Sciences (https://mta.hu/koztestuleti_tagok) 2020-present;

European Geosciences Union (<https://www.egu.eu/>) 2023-2024;

European Association of Environmental History (<http://eseh.org>) 2021-present;

Magyar Biológiai Társaság (<http://www.mbt-biologia.hu>) 2021-present;

Society for Conservation Biology Europe Section (<https://conbio.org>) 2022-2024;

Expert Group of the Ministry for Agriculture for the protection of Lesser blind mole-rats and European ground squirrels <https://termeszetvedelem.hu/foldikutya-es-urgedelmi-szakertoi-csoport/>) 2017-present;

Associate Editor at the Frontiers for Soil Science, Soils and Human Health specialty section, 2021-present;

VOLUNTEERING

Volunteer lectures about soil biology, animal translocations in elementary and high schools (Hungary, Japan), companies (SANOFI), 2010-present;