

CURRICULUM VITAE

Gábor L. Lövei

Personal information:

Citizenship: New Zealand & Hungarian
Permanent resident in Denmark

Private address:



Work address:



Higher education & degrees:

1971-1976 Attila József University, Faculty of Sciences, Szeged, Hungary
1976 M.Sc. (Biology) Attila József University, Szeged, Hungary
1978 Ph.D. (Zoology), Attila József University, Szeged, Hungary. Thesis: The migration of warblers (*Sylvia* and *Phylloscopus* spp.) in Hungary. Grade: *summa cum laude*
1992 Candidate of Biological Sciences (Ecology), Hungarian Academy of Sciences, Budapest, Hungary
2009 Doctor of Biological Sciences, DSc (Ecology), Hungarian Academy of Sciences, Budapest, Hungary
2010 Habilitation (Dr. habil.) in Environmental Sciences, University of Debrecen, Hungary

Language skills:

Hungarian (mother tongue). English (excellent), Italian (excellent), Danish (medium), German (medium), Russian (basic).

Positions held:

2022- Present: Research Professor, University of Debrecen, Hungary
2021- Present: Senior Scientist Emeritus, Aarhus University, Flakkebjerg Research Centre, Slagelse, Denmark.
2013- 2022: Minjiang Distinguished Professor, Institute of Applied Ecology, Fujian Agricultural & Forestry University, Fuzhou, China.
2010- 2019: Adjunct Professor, Chinese Academy of Agricultural Sciences, Institute of Plant Protection, Beijing, China.
1998 - 2021: Senior Scientist, Aarhus University, (until 2007 Danish Inst Agric Sci), Flakkebjerg Research Centre, Slagelse, Denmark.
1994 - 1998 Scientist, Horticulture Research Institute of New Zealand, Ltd., Palmerston North, New Zealand.
1989 - 1994 Scientist, Pastoral Agriculture Research Institute Ltd. (until 1992 MAF

Technology), Horticultural Research Centre, Levin & Flock House Agricultural Centre, Bulls, New Zealand.

1983-1984 Associate Professor, CNR International Institute of Genetics & Biophysics, Naples, Italy.

1978-1989 Research Scientist (Associate: 1978-1982), Department of Zoology, Plant Protection Institute, Budapest, Hungary.

1976-1978 Research Assistant, Department of Zoology, Jozsef Attila University, Szeged, Hungary.

Current research interests:

- Agroecology & sustainable agriculture, esp. pesticide free and organic cultivation
- Biosafety: ecology of genetically modified organisms, esp. effects on tri trophic interactions
- Invasion ecology; interactions between invaders and native species
- Ecology of feeding in predatory arthropods (preferences, tri-trophic interactions, consequences of feeding decisions, biological control)
- Community ecology of terrestrial arthropods, esp. predators
- Risk assessment methodology, environmental risk assessment, plant health
- Ethics and philosophy of conservation and valuing nature
- Conservation biology, conservation in managed areas and cities
- Urban ecology, effects of urbanisation on biodiversity and ecosystem services
- Biological control by generalist natural enemies and habitat manipulation
- Bionomics, behaviour and ecology of beneficial arthropods (ground beetles, spiders, hover flies)
- Ecology and behaviour of small birds: wintering, stopover and migration
- Scientific writing and communication; methods of graphical data analysis

Publication activity:

159 peer-reviewed papers, 33 peer-reviewed conference proceedings papers, 25 book chapters & book editorships, 74 scientific reports and opinions, 70 non-peer-reviewed and popular papers.

No. of citations to publications: **8089** (Google Scholar, October 2022)

Hirsch-index: **h=43** (Google Scholar, October 2022)

Teaching experience, lecturing and student supervision:

Extensive experience in teaching at undergraduate and postgraduate levels as well as in continuing education. Taught courses in zoology, entomology, and ecology in Hungary, Italy, New Zealand, Denmark, China, and various African countries; led field expeditions and field courses in Hungary, Italy, Greece, New Zealand, East Africa, and Madagascar. Teaching rated very highly, both in formal or informal assessments (details on request). Frequently invited to train at new locations by former participants of courses taught.

I am interested in scientific communication, and gave the first such course in Hungary in the 1980ies. Since then, I have held such courses at Aarhus University since 1999, founded a non-profit organisation in Kenya to establish this training in Africa (the Training Centre in Communication, active since 2008, today with four offices in Africa and published a book in 2021. I have myself trained about 2500 students and scientists in Europe, Asia, South America and Africa.

Selected professional courses:

Agroecology and farm-scale management, MSc course, Aarhus University, 2010–2021
 Science writing and communication –PhD course at Aarhus University since 1999. Other locations: Hungary (10 institutions, 25 occasions), China (6 institutions, 16 occasions), Kenya (10), Portugal (5) Estonia, Ghana, Italy (3-3), Uganda (2); Argentina, Burkina Faso, Germany, Tanzania.
 Plant health risk assessment – postgraduate training course for European plant health officers – Milan, Italy (2011), Vilnius, Lithuania (2012), Sarajevo, Bosnia (2014), Lisbon, Portugal (2015), Tallinn, Estonia (2015), Rome, Italy (2016), Vienna, Austria (2017, 2020); virtual teaching 2021, 2022; Valencia (2022)
 Biosafety, environmental impacts - biosafety courses in Kenya (2), Tanzania (2), Uganda, Niger, Norway, Argentina, Bolivia.
 Ecological methodology, using the R software – CAAS Beijing, Fujian Agric. Forestry University (2013, 2014), Centre for Ecology, Hungary (2013, 2014, 2015)
 Systematic review methodology, experimental design – graduate and postgraduate courses, Tropical Biology Association Field Ecology Courses (2004, 2009), European Food Safety Authority, Parma, Italy (12 courses, 2011-2015)
 Summer School of Conservation Biology, Ano Pedina, Zagori, Greece, 2010-2019. Core teacher, Organising Committee member. Supported (2010-2012) by the EC Erasmus Life-long Education Program, and the Society for Conservation Biology.
 Scientific drawing, illustrations and communication in taxonomy. International postgraduate course by the Distributed European School of Taxonomy. Univ. Gothenburg Marine Res Stn, Kristineberg, Sweden, 2010–2017, 2021; Drøbak, Oslo University Marine Stn, Norway, 2019. Core teacher.
 Tropical field ecology: Tropical Biology Association Field Course, Core teacher, Kibale National Park, Uganda, 2004; Amani Nature Reserve, Tanzania, 2009, Madagascar, 2012. Core teacher. Training in tropical field ecology, experimental design, biosafety. Supervision of projects by participants.
 Resource management, Pest control, entomology, Insect taxonomy (Massey University, Palmerston North, New Zealand, 1990-1998).

I have supervised 52 MSc and PhD students in Hungary, New Zealand, Denmark, China, Uganda, Kenya, France, and Italy. I am a member of the PhD Schools of the Universities of Debrecen and Szeged, Hungary; the University of Calabria, Italy, the Chinese Academy of Agricultural Sciences, Beijing, and Fujian Agricultural and Forestry University, China.

Apart from organising conferences (see below), I am active in presenting scientific results to peers. Since 2008, I have given >350 talks and seminars at various conferences and institutions world-wide. I have been invited/plenary speaker at >30 international and national conferences.

I am also committed to communicating science to lay persons and have given numerous talks

at science festivals, various clubs, networks, radio stations and science festivals. For 13 years, I have had intensive interaction with non-professional volunteers on field expeditions as Project Leader of the Earthwatch-supported “Old World Songbirds” project, and led field expeditions to Hungary, Italy and Kenya. This was awarded a science prize (see below).

Distinctions, honours, fellowships:

Distinguished Visiting Fellow, Hungarian Academy of Sciences, Hungary (2022)
 Visiting Scholar, Institute of Advanced Studies, University of Bologna, Italy (2022)
 Member, Academia Europea (Organismic and Evolutionary Biology Section), London, 2019
 Senior Medal for Achievements in Entomology, G. Szelényi Foundation, Hungary, 2019
 Honorary Professor, St. Stephen University, Gödöllő, Hungary, 2018
 Hungarian Ecological Society Grand Prize for services to Hungarian ecology, 2015
 Research Associate, National Museums of Kenya, since 1998
 Resident Scholar, Rockefeller Foundation Centre, Bellagio, Italy, 2011
 Honorary Professor, University of Nairobi, Kenya, 2010
 Honorary Private Professor, University of Szeged, Hungary, 2010
 Visiting Professor, Fudan University, Shanghai, China, May-June 2005
 Earthwatch AVIVA Climate Change Research Award, 2004
 Domus Hungarica Scientiarum et Artium Fellowships, Hungarian Academy of Sciences & Hungarian Ministry of Culture and Natural Heritage, 1999 – 2010, 2012, 2016, 2020
 Visiting Scientist Fellowship, Mitrani Centre for Desert Ecology, Blaustein Institute of Desert Research, Ben Gurion University of the Negev, Sede Boqer, Israel, 2003, 2005

Committee memberships (since 2005)

Member, Advisory Board, ELKH Centre of Ecology, Hungary, 2013-*current*
 Member, Board of Directors, Society for Conservation Biology, Europe Section, 2008-2013, 2017-2022
 Panel member, EPPO/IOBC Panel on Biological Control Agents, Danish government representative, 2014-2022
 Member, BioDiversa Call 2019, Evaluation Committee, 2019
 Member, *ad hoc* Evaluation Committee of the Hungarian Academy of Sciences Centre of Ecology, 2016, 2019
 Member, Colleggio dei Docenti, University of Calabria, Cosenza, Italy, 2005- *current*
 Member, IUCN Commission on Ecosystem Management, 2017-2020
 Steering Committee member, AMIGA EU Project, 2012-2016
 Evaluation Committee member, Bavarian Ministry of Research & Technology "Future Plants" program, 2010-2013
 Director, Training Centre in Communication, Nairobi, Kenya 2006 – 2013
 Member, European Food Safety Authority, Plant Health Panel, Parma, Italy, 2006- 2012.
 Vice-Chair, 2006-2009.
 IOBC Global Working Group on Transgenic Plants in IPM and Biocontrol, Co-Convener, 2004- 2012
 Steering Committee member, GMO ERA Project, funded by the Swiss Development Agency, 2005- 2007

Research experience & grants (selected)

- 2022-2026 - Anthropocene Research Group, University of Debrecen, Hungary, Founding member.
- 2021-2024 - The use of artificial intelligence in nature conservation. Funded by the Hungarian Basic Science Fund (OTKA). Collaborative partner.
- 2020-2023 - Effects of urbanization on arthropods' biodiversity at various levels of biological organization. Funded by the Hungarian Basic Science Fund (OTKA). Collaborative partner.
- 2019 - 2022 - AGRO-ECOSERVICES – Collaborative international program, funded by the regional government of the Azores Islands, Portugal. Collaborative partner.
- 2018 - 2021 Økodrone – the use of drones in sustainable management of oilseed rape pests. GUDP Denmark. Participant.
- 2016 - 2021 – “Ecologically Based Pest Management of Subtropical Crops”, Collaborative 111 International Program, located at Fujian Agricultural and Forestry University, Fuzhou, China. Principal Investigator.
- 2016 - 2019 – C-IPM: "Novel biosafe IPM strategies to manage pesticide resistance in pollen beetles" Collaborative European project with the University of Helsinki, Finland, University of Ghent, Belgium, and University of Tartu, Estonia.
- 2011 – 2016 AMIGA: Complex Assessment of Effects of Genetically Manipulated Plants; EU Framework 7 program. Partner, work package leader, member of management team. Twenty-three European research partners.
- 2004 – 2019 Danglobe: Effects of urbanisation on biodiversity. Co-operative project with the Hungarian Natural History Museum, Budapest, Hungary (Z. Elek), the Universities of Calabria, Cosenza, Italy (M. Sapia, V. Pulieri) and Palermo, Sicily (M.Ferrante, A. Locacciato, G. Barone, B. Manachini), University of Helsinki (F. Vilisics), University of Debrecen, Hungary (R. Horvath, T. Magura, C Eotvos). Project Leader. Multiple funding sources.
- 2011 – 2015 Training European Food Safety Authority experts and personnel, in the systematic (evidence-based) review methods. Project co-ordinator, with partners from the Centre for Evidence-Based Conservation, University of Wales, Southampton University, York Health Authority (all U.K.), University of York (Canada), and Ohio State University (USA)
- 2010- 2015: PURE project (Pesticide use and reduction in European Farming Systems), Task leader in natural pest control module; funded by the European Community
- 2008-2010 – ENDURE European Centre of Excellence in plant protection. Participant & course teacher, funded by the European Community
- 2004 – 2011 BiosafeTrain: research capacity building in GM biosafety in East Africa. Funded by DANIDA. Co-operative project involving 6 universities & research institutes, ca. 30 persons. Project Leader.
- 2003-2005 "Ecological consequences of growing transgenic plants" – Danish Inst. Agric. Sci. Competence Fund. Project Leader.
- 2001-2005 Assessment of environmental and economic impact of Bt-cotton for smallholder farmers in China (COTRAN) EU INCO-DEV project, (4 European + 3 Chinese co-operating partners) Scientific partner & Financial Co-ordinator.
- 1993 - 2005 'Europe-Africa Songbird Migration' project. Migratory bird ecology: dynamics, recurrence, fat condition in relation to migratory strategies. Funded by Earthwatch, Boston, U.S.A. Field work in Hungary 1993-2005, Italy in 1993 - 1996, 1999- 2005, Kenya, 1997 – 2005. Principal Investigator.

Extracurricular activities:

Conference/symposium Organiser (since 2013):

- European Carabidologists' Meeting, Organising Committee Member (2015, 2017, 2019, 2022)
European Congress of Conservation Biology, Organising Committee member (2009, 2012, 2018, 2022), course trainer, roundtable organiser, chairman of sessions
17th International & 4th European Conservation Biology Conference, Montpellier, France, Aug 2015 "The impact of genetically modified crops on protected organisms" Symposium Organiser
9th Hungarian Conference on Conservation Biology, Szeged, Hungary, Sep 2014. "Monetarizing ecosystem services; advantages & disadvantages." Roundtable co-organiser.
2nd International Conference on Biological Invasions, Qingdao, China, October 2013. Organising Committee Member, symposium organiser
Research meeting of the Biological Invasions in Megadiverse Regions Network: "Identifying novel invasion threats for developing mega-diverse countries by horizon scanning." Aarhus University, Flakkebjerg, Apr 2013, Rockefeller Bellagio Conference Program, Bellagio, Italy, Apr 2013: - Convener & Organiser

Committee & editorial work:

- Editor, Reviews Section, Community Ecology, 2021-*current*
Editor-in-Chief, Insects, Insect Ecology, Diversity and Conservation Section, 2020- *current*
Book Review Editor, Conservation Biology, 2015-*current*
Co-Editor-in-Chief, Journal of Biosafety (China) – 2010-2022
Current Editorial Board memberships: CABI Agriculture & Bioscience Journal, Section Editor, 2019- , Community Ecology, 2019- ; Insects, 2017- ; Acta Zoologica Hungarica, 2017- ; Journal of Integrative Agriculture (China), 2012- .
Previous editorial activities: Conservation Biology, Board member 2014-2015, Open Ecology Journal, Board member 2008 – 2011; Ornis Hungarica, Board member 1998-2010, New Zealand Plant Protection Society, Board member 1993-1995; 1997-1998; New Zealand Journal of Ecology, Book Review Editor, 1991-1996, Editor-in-Chief 1993-1998, Board member 1999-2010; Notornis, Book Review Editor 1991-1994, Editor-in-Chief 1994-1998.
Reviewer of manuscripts for 60+ peer-reviewed international journals
Assessor of scientific programs and applications for the European Community (COST and Framework programs), BioDiversa Program, the Austrian, Bavarian (Germany), Belgian, Czech, Estonian, Fårø Islander, French, Hungarian, Israeli, Italian, Latvian, Norwegian, Polish, South African and Swedish National Science Foundations, the Hungarian Academy of Sciences, the U.K. Ministry Environment, Food & Rural Affairs (DEFRA) and ESPA Programs, and evaluations of individual scientists at universities in Austria, Canada, Hungary, New Zealand, and the U.K.

Membership in learned societies:

- The Ecological Society of New Zealand, 1990
Society for Conservation Biology, 2003 -
Hungarian Ecological Society, 2004 -