Dr. Marina (Maryna) Golivets

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PERSONAL INFORMATION

Date of birth: August 22, 1988
Place of birth: Kyiv, Ukraine
Nationality: Ukrainian
Family: Married, no children

CURRENT APPOINTMENT

May 2019 – present Post-Doctoral Researcher, Helmholtz-Centre for Environmental Research – UFZ, Halle, Germany. Developing future scenarios for biological invasions ("AlienScenarios")
Supervisors: Dr. Ingolf Kühn, Dr. Sonja Knapp

EDUCATION

- **2014 – 2019 Doctor of Philosophy, University of Vermont, Burlington, VT, USA**
  Natural Resources, ***GPA 3.95***
  Thesis: Uncovering the Drivers of Non-Native Plant Invasions Using Ecological Data Synthesis
  Advisor: Dr. Kimberly F. Wallin
- **2009 – 2011 Master of Science, Swedish University of Agricultural Sciences (SLU), Alnarp, Sweden**
  Forest Management, Euroforester Program
  Advisor: Dr. Per-Magnus Ekö
- **2009 – 2010 Master of Science, National University of Life and Environmental Sciences of Ukraine, Kyiv, Ukraine**
  Urban Forestry and Landscape Architecture, ***with distinction***
  Advisor: Dr. Viktor Maurer
- **2005 – 2009 Bachelor of Science, National University of Life and Environmental Sciences of Ukraine, Kyiv, Ukraine** Ornamental Horticulture, ***with distinction***
  Advisor: Dr. Viktor Maurer

RESEARCH EXPERIENCE

- **2015 – 2017 University of Vermont, Burlington, VT, USA**
  Graduate Research Assistant
- **2011 – 2014 Institute for Evolutionary Ecology, The National Academy of Sciences of Ukraine, Kyiv, Ukraine**
  Research Assistant

- **2012 – 2013 Ukrainian Laboratory of Quality and Safety of Agricultural Products, National University of Life and Environmental Sciences of Ukraine, Kyiv, Ukraine**
  Research Assistant

TEACHING EXPERIENCE

- **2017 University of Vermont, Burlington, VT, USA**
  Lecturer
  FOR 295: Forest Ecosystem Health (Co-taught with Dr. Wallin in fulfillment of the teaching requirement for doctoral students)
- **2017 University of Vermont, Burlington, VT, USA**
  Invited lecture on multilevel meta-analysis using Stan
  PBIO 294: Ecological Modeling
- **2015 University of Vermont, Burlington, VT, USA**
  Graduate Teaching Assistant
  WFB 224: Conservation Biology
- **2014 University of Vermont, Burlington, VT, USA**
  Graduate Teaching Assistant
  NR 205: Ecosystem Management

PROFESSIONAL TRAINING

- **2017 iDiv Summer School, Leipzig, Germany**
  "Synthesising and Modelling Biodiversity Data"
- **2017 The Institute for Statistics Education**
  Online course in Bayesian hierarchical and multilevel modeling
- **2014 COST Action FP1204 Training School, Alnarp, Sweden**
  "Contemporary Research in Urban Forestry"
- **2013 European Forest Institute Winter and Summer School, Belin-Beliet, France and Pichl, Austria**
  "Sustaining Multiple Values in Managed Forests"

AWARDS, GRANTS AND SCHOLARSHIPS

- 2019 EMAPi 15 Second Best Conference Talk Award
- 2019 NLBIF Grant nlbif2018.2019.004 'Mobilization of biodiversity data from Ukraine to GBIF' (€24.328; awarded jointly to UkrBIN and The Habitat Foundation)
- 2018 UVM RSENR Graduate Programs Outstanding Research and Scholarship Award
- 2017 iDiv Travel Grant (~$2,000)
- 2016 The University of Vermont Graduate Student Senate Mini Grant ($200)
- 2009 IKEA scholarship for Euroforester graduate program studies (SEK 70,000)
- 2007 – 2008 Ukrainian Government's scholarship for excellent achievements in higher education (monthly stipend totaling in ~UAH 17,000)

PUBLICATIONS

1. Lenzner, B., Latombe, G., Capinha, C., Bellard, C., Courchamp, F., Diagne, C., Dullinger, S., **Golivets, M.**, ... & Leung, B. (2020). What will the future bring for biological invasions on islands? An expert-based assessment. *Frontiers in Ecology and Evolution 8*, 280. https://doi.org/10.3389/fevo.2020.00280.

2. **Golivets, M.**, Woodall, C. W., & Wallin, K. F. (2019). Functional form and interactions of the drivers of understory non-native plant invasions in northern US forests. *Journal of Applied Ecology 56*(12), 2596–2608.

3. Thom, D., **Golivets, M.**, Edling, L., Meigs, G. W., Gourevitch, J. D., Sonter, L. J., Galford, G. L., & Keeton, W. S. (2019). The climate sensitivity of carbon, timber, and species richness covaries with forest age in boreal–temperate North America. *Global Change Biology 25*(7), 2446–2458.

4. **Golivets, M.**, & Wallin, K. F. (2018). Neighbor tolerance, not suppression, provides competitive advantage to non-native plants. *Ecology Letters, 21*(5): 745–759.

5. **Golivets, M.**, & Bihun, Y. (2016). Patterns of plant species diversity in deciduous woodlands of Kyiv, Ukraine. *Urban Ecosystems, 19*(1): 489–503.

6. Burda, R., **Golivets, M.**, & Petrovych, O. (2015). Alien species in the flora of the nature reserve fund of the flatland part of Ukraine. *Russian Journal of Biological Invasions, 6*(1): 6–20.

7. **Golivets, M.** (2014). Adaptive strategy of *Impatiens parviflora* DC. (Balsaminaceae) in the secondary range. II. Vitality structure of populations and ontogenetic strategy of the species. *Ukrainian Botanical Journal, 71*(3): 317–323. (in Ukrainian with English summary)

8. **Golivets, M.** (2014). Adaptive strategy of *Impatiens parviflora* DC. (Balsaminaceae) in the secondary range. I. Patterns of population organization along the environmental gradient. *Ukrainian Botanical Journal, 71*(2): 161–172. (in Ukrainian with English summary)

9. **Golivets, M.** (2014). Variation in quantitative seed traits of *Echinocystis lobata* (Minchx.) Torr. et A. Gray (Cucurbitaceae). *Modern Phytomorphology, 6*: 43–44.

10. **Golivets, M.** (2014). Ecological and biological determination of invasion success of nonnative plant species in urban woodlands with special regard to short-lived monocarps. *Urban Ecosystems, 17*(1): 291–303.

11. Pashkevych, N., Burda, R., **Golivets, M.**, & Petrovych, O. (2014). Assessment of the distribution of alien plant species across the habitats of the Ukrainian Forest Steppe. *Biodiversity: Research and Conservation, Suppl. 1*: 75.

INVITED TALKS AND PRESENTATIONS

- A macroecological view on functional trait distribution of native and alien plants under future environmental change in Cenrtal Europe. *Oral presentation.* NEOBIOTA 2020, Vodice, Croatia
- Neighbor tolerance, not suppression, provides competitive advantage to non-native plants. EMAPi 15, 2019. *Oral presentation.* Prague, Czech Republic
- Neighbor tolerance, not suppression, provides competitive advantage to non-native plants. 29th Interagency Forum on Invasive Species, 2018. *Invited talk.* Annapolis, MD, USA
- Patterns of nonnative invasive plant species diversity in gypsy moth defoliated forests. 8th Eastern CANUSA conference, 2016. *Oral presentation.* Burlington, VT, USA
- Does defoliation of native forests by a nonnative insect facilitate invasion of nonnative plants more than defoliation by a native insect? ESA Annual Meeting, 2016. *Oral presentation.* Fort Lauderdale, FL, USA
- Does a nonnative invasive defoliator facilitate invasion of nonnative invasive plants more than a native defoliator? 27th Interagency Forum on Invasive Species, 2016. *Poster presentation.* Annapolis, MD, USA
- Patterns of non-native plant diversity: A case study of the urban forest of Kyiv. 17th European Forum on Urban Forestry, 2014. *Oral presentation.* Lausanne, Switzerland

- Level of plant invasion in urban forests of Kyiv, Ukraine. Youth and Progress of Biology, 2014. *Oral presentation.* Lviv, Ukraine
- Phenology of *Echinocystis lobata* (F. Minchx.) Torr. & Gray (Cucurbitaceae) in the secondary range. The Role of Botanical Gardens in Conservation and Enrichment of Biodiversity, 2013. *Oral presentation.* Kyiv, Ukraine
- Plant diversity of Kyiv urban woodlands: The current state and future implications. 16th European Forum on Urban Forestry, 2013. *Poster presentation.* Milan, Italy
- Integrative approach to classifying habitats in urban forests. Biotopes (habitats) of Ukraine: Scientific Basis of Research and Inventory Results, 2012. *Oral presentation.* Kyiv, Ukraine
- Interpopulation differentiation of the alien species *Impatiens parviflora* DC. (Balsaminaceae) in woodland phytocoenoses of Kyiv. Modern Methodology in Biological Research: Population Approach, 2012. *Oral presentation.* Ivano-Frankivs'k, Ukraine
- Distribution of *Impatiens parviflora* DC. (Balsaminaceae) and vernal geophytes in forest phytocoenoses of Kyiv. Synanthropization of Vegetation of Ukraine, 2012. *Oral presentation.* Pereyaslav-Khmelnyts'kyi, Ukraine

PROFESSIONAL SKILLS

- **Data Analysis:** Bayesian inferential modeling, multilevel and spatial regression analysis, meta-analysis, predictive modeling using machine learning techniques
- **Software:** R, Stan, JAGS, ArcGIS
- **Data Collection:** Extensive field experience in surveying vegetation and laboratory experience in measuring soil N and P
- **Languages:** Ukrainian (native), English (fluent), Russian (fluent), German (basic)

COMMUNITY SERVICE

- **Peer Review:** Biological Invasions (1), Ecology (1), Ecology & Evolution (3), Ecology Letters (2), Journal of Ecology (2), Journal of Vegetation Science (2), Oecologia (1), Oikos (4)
- **Citizen Science:** Ukrainian Biodiversity Information Network (UkrBIN)