



DOUGLAS SPONSLER






EDUCATION

- 2016 • **The Ohio State University**
Ph.D. in Entomology  Columbus, Ohio, USA
- 2010 • **Cedarville University**
B.S. in Biology  Cedarville, Ohio, USA



PROFESSIONAL EXPERIENCE

- 2020
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present • **Postdoctoral Researcher**
Department of Animal Ecology and Tropical Biology, University of Würzburg  Würzburg, Germany
- Lead pollinator competition module of EU Project Safeguard
 - Lead study of bumble- bee-wildflower interactions in Berchtesgadener Alps
 - Mentor Ph.D. and MS students
 - Provide statistical support to students and colleagues
 - Organize department seminar program
 - Contribute to classroom- and field-based teaching
- 2018
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2021 • **Research Associate**
The Academy of Natural Sciences of Drexel University  Philadelphia, PA, USA
- Lead study of urban plant-pollinator ecology in Philadelphia
 - Communicate research to museum visitors
- 2017
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2020 • **Postdoctoral Fellow**
Pennsylvania State University  University Park, PA, USA
- Design, conduct, and analyze USDA-NIFA-funded field studies of honey bee colony health
 - Lead an NSF-funded multi-institutional working group in the development of a framework for understanding pesticide effects on pollinators
 - Extend research to beekeeper and master gardener organizations
 - Contribute to classroom- and field-based teaching



ACCOMPLISHMENTS

- **Led 6 research projects**
- **Authored 16 peer-reviewed scientific articles**
- **Wrote 8 successful grant applications (total of \$235,000)**

CONTACT INFO

Department of Animal Ecology and Tropical Biology

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SKILLS

Project management (10 years)

Data analytics (10 years)

R computer language (10 years)

Causal inference (2 years)

GIS (10 years)

Graphic design (10 years)

Public speaking (10 years)

Scientific writing (10 years)

LANGUAGES

English (native)

German (B1 / early intermediate)

- **Mentored 2 Ph.D students, 2 MS students, and 1 undergraduate student**
- **Won the 2017 *Paper of the Year* award in *Environmental Toxicology and Chemistry***
- **Delivered 20 invited presentations to professional audiences**
- **Delivered more than 30 public outreach presentations and/or workshops**



PEER-REVIEWED PUBLICATIONS (SELECTED)

- 2021: ● **Beekeeping in, of, or for the city? A socioecological analysis of urban apiculture in the United States.**
People and Nature 2021;3:550-559
Sponsler DB, Bratman EZ
- 2020: ● **Characterizing the floral resources of a North American metropolis using a honey bee foraging assay**
Ecosphere 2020:e03102
Sponsler DB, Shump D, Richardson RT, Grozinger CM
- 2019: ● **Pesticides and pollinators: a socioecological synthesis.**
Science of the Total Environment 2019;662:1012-1027
Sponsler DB, Grozinger CM, Hitaj C, Rundlöf M, Botías C, Code A, Lonsdorf EV, Melathopoulos AP, Smith DJ, Suryanaryanan S, Thogmartin WE, Williams NM, Zhang M, Douglas MR
- 2017: ● **Mechanistic modeling of honey bee pesticide exposure: the missing keystone of honey bee toxicology**
Toxicology and Chemistry 2017;36:871-881
Sponsler DB, Johnson RM



PROFESSIONAL TRAINING (SELECTED)

- 2022: ● **Data management**
5-day short course on research data management 📍 German Ecological Society (GfÖ), virtual meeting
- 2018: ● **Open Source Geospatial Data Analysis**
3-day short course on geospatial data analysis with R and Python
📍 Socioecological Synthesis Center (SESYNC), Annapolis, MD
- 2016: ● **Introduction to individual-based/agent-based modelling**
Two-day workshop taught by Volker Grimm, Nika Galic, and Michael Crawford 📍 Towson, MD
- 2016: ● **Diversity and implicit bias awareness training**
Three-day workshop on mitigating implicit bias, promoting diversity, and aiding distressed individuals
📍 The Ohio State University, Columbus, OH