

**FELIPE TORRES-VANEGAS**  
***CURRICULUM VITAE***

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<https://felipetorresvanegas.github.io>  
<https://github.com/felipetorresvanegas>

**EDUCATION & RESEARCH EXPERIENCE**

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**Ph.D. in Ecology and Evolutionary Biology** 2016-2022

Pollination Ecology and Plant Mating Systems

Department of Ecology and Evolutionary Biology, University of Toronto

Supervisory committee: Helene H. Wagner, Marie-Josée Fortin, Marc T.J. Johnson.

**M.Sc. in Ecology and Evolutionary Biology** 2011-2013

Biogeography and Phylogenetics

Department of Biology, Universidad de los Andes

Thesis supervised by Santiago Madriñan and Wendy L. Clement

**B.Sc. in Biology** 2007-2011

Phylogenetics

Department of Biology, Universidad de los Andes

Thesis supervised by Santiago Madriñan

**PROFESSIONAL APPOINTMENTS**

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**Postdoctoral Research Fellow** 2022-Present

Pollination Ecology and Plant Mating Systems

Department of Biology, Lund University

Supervisor: Øystein Opedal

**Landscape Science Intern** 2018-2019

Credit Valley Conservation

Mississauga, Canada

**Science and Math Teacher** 2014-2016

Colegio Los Nogales

Bogotá, Colombia

**PUBLICATIONS**

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**Submitted Manuscripts:**

4. **Torres-Vanegas, F.** (Submitted to American Journal of Botany). A perspective to study the ecology and evolution of plant mating systems in the Anthropocene.

#### **Published Manuscripts:**

3. **Torres-Vanegas, F.**, Hadley, A.S., Kormann, U.G., Jones, F.A., Betts, M.G., Wagner, H.H. (2022). Pollinator foraging tactics have divergent consequences for the mating system of a tropical plant. *Accepted at New Phytologist*.
2. **Torres-Vanegas, F.**, Hadley, A.S., Kormann, U.G., Jones, F.A., Betts, M.G., Wagner, H.H. (2021). Tropical deforestation reduces plant mating quality by shifting the functional composition of pollinator communities. *J. Ecol.* 109: 1730-1746.  
<https://doi.org/10.1111/1365-2745.13594>
1. **Torres-Vanegas, F.**, Hadley, A.S., Kormann, U.G., Jones, F.A., Betts, M.G., Wagner, H.H. (2019). The Landscape Genetic Signature of Pollination by Trapliners: Evidence from the Tropical Herb, *Heliconia tortuosa*. *Front. Genet.* 10: 1206.  
<https://doi.org/10.3389/fgene.2019.01206>

#### **Technical Reports:**

1. Abdel Moniem, H.E., **Torres-Vanegas, F.**, Wagner, H.H. (2020). Evaluating Natural Heritage Connectivity in the Credit River Watershed: Final Report. Credit Valley Conservation Authority. 1-70. Mississauga, ON, Canada.  
<https://dataverse.scholarsportal.info/dataset.xhtml?persistentId=doi:10.5683/SP2/CMGXZR>

#### **Educational Resources:**

1. **Torres-Vanegas F.**, Abdel Moniem, H.E., Wagner, H.H. (2020). Landscape Connectivity Modeling Across the Credit River Watershed: User's Guide. Credit Valley Conservation Authority. 1-48. Mississauga, ON, Canada.  
[https://github.com/felipetorresvanegas/CVC\\_modeling](https://github.com/felipetorresvanegas/CVC_modeling)

#### **Popular Science:**

1. **Torres-Vanegas, F.** (2019). Into the *Heliconia* Garden. *EEB Quarterly*. Spring 2019. Volume 1, Issue 3. 66-70.  
<https://drive.google.com/file/d/1WkI76175QB7hCRmN9CnWQkbL32-agBN4/view>

### **SCHOLARSHIPS, GRANTS & AWARDS**

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| 2022 | <i>Postdoctoral Scholarship</i> . Sven and Lilly Lawski Foundation. Sweden.           |
| 2020 | <i>Faculty of Arts &amp; Science Funding Package</i> . University of Toronto. Canada. |

- 2017     *Three-Minute Thesis Competition (Second Place)*. 3MT CREATE Enviro. Trent University. Canada.  
          *Best Speed Oral Presentation (Second Place)*. International Congress for Conservation Biology. Cartagena, Colombia.
- 2016     *Beca Doctorados en el Exterior*. Departamento Administrativo de Ciencia, Tecnología, e Innovación (COLCIENCIAS). Colombia.  
          *CREATE Enviro Trainee*. National Science and Engineering Research Council (NSERC). Canada.

## ORAL PRESENTATIONS

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### Invited Presentations:

- 2021     Centre for Biodiversity Dynamics Seminar Series. NTNU. Trondheim, Norway.
- 2020     Landscape Genetics Symposium. International Association for Landscape Ecology North America. Virtual Remote Conference.  
          Plant Evolution and Ecology Seminar Series. Uppsala University. Uppsala, Sweden.
- 2019     Credit Valley Conservation: Evolution and Ecology Seminar Series. Mississauga, Canada.  
          Biodiversity Seminar Series. WSL. Zurich, Switzerland.

### Contributed Talks:

- 2022     Scandinavian Association for Pollination Ecology. Gimo, Sweden.  
          Ecological Society of America Annual Meeting. Montreal, Canada.
- 2021     Atwood Colloquium in Ecology and Evolution. University of Toronto. Toronto, Canada.  
          International Association for Landscape Ecology North America. Virtual Remote Conference.
- 2020     Scandinavian Association for Pollination Ecology. Virtual Remote Conference.
- 2019     International Association for Landscape Ecology World Congress. Milan, Italy.
- 2018     North American Congress for Conservation Biology. Toronto, Canada.
- 2017     International Congress for Conservation Biology. Cartagena, Colombia.
- 2012     First International *Viburnum* Summit. New Haven, Connecticut, USA.

## POSTER PRESENTATIONS

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- 2017     International Congress for Conservation Biology. Cartagena, Colombia.
- 2011     Congreso Colombiano de Botánica. Cali, Colombia.

## TEACHING EXPERIENCE

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Distributed Graduate Seminar Landscape Genetics

2022-Present

University of Toronto Mississauga, Department of Biology  
*Group Project Leader*

**Guest Lecture**

2022

University of Toronto Mississauga, Department of Biology  
*Diversity of Organisms (BIO153)*

**Teaching Assistantships**

2016-2022

University of Toronto Mississauga, Department of Biology  
*Biometrics (BIO360).*  
*Ecology (BIO205).*  
*Introduction to Plant Morphology and Physiology (BIO203).*

**Science and Math Teacher**

2014-2016

Colegio Los Nogales  
*Instructor for fifth grade Science and Math.*

**Teaching Assistantships**

2011-2013

Universidad de los Andes, Department of Biology  
*Plant Physiology (BIOL3303).*  
*Botany (BIOL2305).*

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**PEDAGOGICAL TRAINING**

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Teaching Fundamentals Certificate

2019

Teaching Assistants Training Program. University of Toronto. Canada.

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**MENTORSHIP**

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University of Toronto

2022 Ferne Kotlyar. MSc Student.  
2020 Catherine Burzynski. Independent Research Project Undergraduate Student.  
2019 Semrit Grewal. Work Study Undergraduate Student.  
2018 Sumera Varachhia. Research Opportunity Program Undergraduate Student.  
2017 Fahad Farooq. Independent Research Project Undergraduate Student.  
Khadija Lakdawala. Work Study Undergraduate Student.

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**PROFESSIONAL SERVICE & WORKING GROUPS**

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2021-2022 Co-leader of the Ecology and Evolution Journal Club. University of Toronto Mississauga.  
2020 Local Student Representative. International Association of Landscape Ecology North America Virtual Remote Conference.

2019 Graduate Student Writing Workshop. University of Toronto.  
2018-2019 Society of Conservation Biology Toronto Chapter. Vice-President.  
2017-2018 Society of Conservation Biology Toronto Chapter. Communications Coordinator.  
2016-2017 Biology Graduate Student Society. University of Toronto Mississauga.

**Reviewer:** Frontiers in Genetics (1), American Journal of Botany (1), Proceedings of the Royal Society B Biological Sciences (1).

**Society Memberships:** Society for Conservation Biology (SCB), International Association for Landscape Ecology (IALE), Canadian Society for Ecology and Evolution (CSEE).