

Victoria E Amaral
Curriculum Vitae

Email: yeamaral@connect.hku.hk

Website: victoriaeamaral.com

Academic Qualifications

2018 BSc. (*Summa Cum Laude*)
Present PhD (*Presidential Scholar*)

North Carolina State University, Raleigh USA
The University of Hong Kong, Hong Kong

Awards and Grants

- 2023 Additional Funding from the RGC for HKPF Students: 3rd Round (**\$ 255 USD**)
- 2022 Additional Funding from the RGC for HKPF Students: 2nd Round (**\$ 2,400 USD**)
- 2021 HKU Presidential PhD Scholar Program (HKU-PS) recipient (**\$ 196,000 USD**)
- 2017 Research Experience for Undergrads (REU) Recipient (**\$ 3,000 USD**)
- 2016 Undergraduate Research Grant, North Carolina State University (**\$ 500 USD**)

Manuscripts in Preparation

Amaral VE, Ashton LA, Bonebrake TC, Dingle C, Owens ACS, Güclü C, Boyle MJW.
Circadian histories: latitudinally determined responses to light pollution. (Shortlisted for the E4 award, to be submitted to E4 special issue in *Ecography*, October 2024).

Published Papers

Pinilla-Gallego MS, Ng WH, **Amaral VE**, Irwin RE (2022) Floral Shape Predicts Bee-Parasite Transmission Potential. *Ecology*, 103(7), e3730.

Figueroa LL, Fowler A, Lopez S, **Amaral VE**, Koch H, Stevenson PC, Adler LS (2023) Sunflower spines and beyond: mechanisms and breadth of pollen that reduce gut pathogen infection in the common eastern bumble bee. *Functional Ecology*, 37, 1757–1769.

Media

Michael Boyle & Victoria E Amaral (2024) Fireworks may attract tourists to Hong Kong but they are known to cause severe distress for wildlife. *Hong Kong Free Press*.

Invited Presentations and Conference Events

- 2023 Invited Presentation. Harvard Natural History Museum. Boston, MA.
- 2023 Conference Talk. Ecological Society of America Meeting, Portland OR, USA. Impact of artificial light at night on Hong Kong moth communities.
- 2019 Conference Poster. Ecological Society of America Meeting, New Orleans LA, USA. Wasps disperse to and have lower abundance in patches with more edge.

2018 Conference Poster. Ecological Society of America Meeting, Louisville, KY, USA. Patch shape, rather than connectivity, influences Hymenoptera abundance and offspring quality.

Relevant Workshops and Certification

2023 International eDNA workshop. The University of Hong Kong. Learned eDNA fieldwork, laboratory DNA workflows, metabarcoding, bioinformatics analysis, statistical analysis.

Mentoring & Teaching

2024 Teaching Assistant, two-week field course in Borneo, Malaysia.

2024 Volunteer, *Letters to a Pre-Scientist* (LPS), STEM pen-pal to primary school classrooms.

2024 Mentor, secondary-school student volunteer, UWCSEA Singapore.

2023 Mentor, *Strategies for Ecology Education, Diversity and Sustainability* (SEEDS), Ecological Society of America. Mentorship for underrepresented early career scientists.

2022 Mentor, *Final Year Project* (FYP) Mentor, The University of Hong Kong

2021 Mentor, *Bees and Microbes in Organized Research Experience* (BEEMore) Mentor, North Carolina State University.

Employment

2019-2021 Lab Manager. Irwin Lab, North Carolina State University.
Plant-pollinator interactions, disease ecology.

2018-2019 Lab Technician. Haddad Lab, Michigan State University.
Habitat connectivity & restoration, endangered species management, field crew leader.

2017 REU Field Technician. Hoffmann Lab, North Carolina State University.
Fire ecology, plant identification.

2016 Field Technician. Haddad Lab, North Carolina State University.
Endangered species management, habitat restoration.

2015-2016 Lab Technician. Silverman Lab, North Carolina State University.
Structural entomology, pest management.

2015 Lab Technician. Kullman Lab, North Carolina State University.
Environmental toxicology, endocrine disruptors, water pollution.

References

Dr Louise Ashton, Assistant Professor
School of Biological Sciences,
Ecology and Biodiversity Division,
The University of Hong Kong
Email: lashton@hku.hk
Phone: +852 5968 3800

Dr Timothy C Bonebrake, Professor
School of Biological Sciences,
Ecology and Biodiversity Division,
The University of Hong Kong
Email: tbone@hku.hk
Phone: +852 5920 5100