Dowen Mae I. Jocson

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Current position

- August 2018-Present: PhD student, Washington State University, Pullman, WA 99163

Education

- December 2017: Master of Science in Biology, Saint Louis University, St. Louis, MO
- May 2015: Bachelor of Science in Biology, Saint Louis University, St. Louis, MO

Publications and Presentations

Publications

- Leith, N.T., **Jocson, D.I.**, Fowler-Finn, K.D. 2019. Temperature-related breakdowns in the coordination of mating in *Enchenopa binotata* treehoppers (Hemiptera: Membracidae). *In review (Animal Behaviour)*
- **Jocson, D.I**., Smeester, M., Leith, N.T., Macchiano, A., Fowler-Finn, K.D. 2019. Temperature coupling of mate attraction signals and female mate preferences in four populations of Enchenopa treehopper (Hemiptera: Membracidae). Journal of Evolutionary Biology. *Published*
- Bernhardt, P., Edens-Meier, R., **Jocson, D**., Zweck, J., Ren, Z., Camilo, G.R., Arduser, M. 2016. Comparative floral ecology of bicolor and concolor morphs of *Viola pedata* (Violaceae) following controlled burning. Journal of Pollination Ecology. *Published*

Presentations

- Panel | August 2019: Women in Agriculture panel for Washington legislative staff, Pullman, WA
- Presentation | August 2019: Tree Fruit Research Extension Center Sunrise Field Day, Wenatchee, WA
- Poster Presentation | March 2019: Pacific Branch Entomological Society of America, San Diego, CA
- Guest Speaker | July 2017: Academy of Science St. Louis, St. Louis Public Library, St. Louis, MO
- Poster Presentation | June 2017: Animal Behavior Society Conference at the University of Toronto-Scarborough, Toronto, Canada
- Poster Presentation | September 2016: SLEEC, Principia College, Elsah, IL
- Oral Presentation | August 2016: Animal Behavior Society Conference at University of Missouri, Columbia, MO
- Poster Presentation | March 2016: Graduate Student Association Symposium, Saint Louis University, St. Louis, MO
- Poster Presentation | September 2015: SLEEC (Saint Louis Ecology, Evolution, and Conservation) Retreat, Saint Louis Zoo, St. Louis, MO

Research Experience

- August 2018-Present: Dr. David Crowder and Dr. Elizabeth Beers Lab

    - Research: Developing mating disruption for pear psyllid pest management
- June 2015-December 2017: Dr. Kasey Fowler-Finn's Lab
    - Research: Temperature effects on mating behavior of treehoppers, *Enchenopa binotata*
    - email: fowlerfinn@slu.edu
- May 2013-May 2015: Dr. Peter Bernhardt's Lab
    - Research: Pollination ecology of bird's foot violet, *Viola pedata*
    - email: bernhap2@slu.edu | tel: 314-977-7152

Teaching Experience

- August 2018-December 2018: Graduate Teaching Assistant, Entomology for Non-Science Majors, Washington State University
- January 2018-May 2018: Substitute Teacher, Ritenour School District, St. Louis, MO
- August 2016-December 2016: Graduate Teaching Assistant, Plants and Fungi lab, Saint Louis University
- August 2015-May 2016: Graduate teaching assistant, Principles of Biology Lab, Saint Louis University
- Fall 2014: Undergraduate Teaching Assistant, Principles of Genetics, Saint Louis University

Professional Collaborations and outreach

- July 2017: Science in Saint Louis Series speaker at Cliff Cave County Library. "Tales of the Unheard and Unseen" was a 1.5 hour presentation to 110+ people, ages 2-92.
- August 2016: Presenter at the Animal Behavior Society Outreach Fair. University of Missouri,
- Columbia, MO
- September 2015: Saint Louis Public Radio coverage of thesis research: https://news.stlpublicradio.org/post/good-vibrations-these-bugs-do-their-sexting-plant-stem
- June 2015-June 2017: Volunteer at Annual Bioblitz, St. Louis, MO
- July 2015: Helped record sounds on plants for sound artist Stephen Vitiello (http://www.stephenvitiello.com/) for a sound installation at Virginia Tech's Moss Center for the Arts (Exhibit opened from September 3-13, 2015)

Awards and Grants

- 2019: Pacific Branch Entomological Society of America Travel Grant
- 2018: Achievement Rewards for College Scientists (ARCS) Foundation Fellowship, Seattle Chapter
- 2017: National Science Foundation, NSF IOS-1656818: Genetic change and genetic accommodation allow singing insects to adapt to temperature change. PI: Kasey Fowler-Finn; *Data contributor*
- 2017: Reis Research Award

Professional Societies

- Entomological Society of America 2018- present
- Animal Behaviour Society 2015-2017