PEER-REVIEWED RESEARCH PUBLICATIONS

*\*Undergraduate mentee author; \*\*Graduate mentee author*

Gibbons\*, J., & Geetha-Loganathan, P. (2019). Processing embryo, eggshell and fungal culture for scanning electron microscopy. *J. Vis. Exp.*,(150), e60018, doi:10.3791/60018.

Gibbons\*, J., Nimmagadda, S., &Geetha-Loganathan, P. (2020). The ultrastructure of *Chrysemys picta* eggshell and shell membrane. *American Journal of Zoology,* *3*(1):10-16. doi: 10.11648/j.ajz.20200301.13.

Nelson\*, M., & Sagot, M. (2018). Effects of temperature and day length on daily movements and home range of the southern flying squirrel (*Glaucomys volans*) in the northeastern United States. *Northeastern Naturalist*, *25*:383-390.

Olori, J. C., Netzband\*, R., McKean\*, N., Lowery\*, J., Parsons, K., & Windstam. S. T. (2018). Multi-year dynamics of ranavirus, chytridiomycosis, and co-infections in a temperate host assemblage of amphibians. *Diseases of Aquatic Organisms*, *130*(3):187-197.

Razik\*, I., & Sagot, M. (2019). Effects of beavers (*Castor canadensis*) on vertebrate species richness in artificial ponds. *Journal of Fish and Wildlife Management*. In review.

Solomon\*, G. M., Dodangoda\*, H., McCarthy-Walker\*, T., Ntim-Gyakari\*, R., & Newell, P. D. (2019).The microbiota of *Drosophila suzukii* influences the larval development of *Drosophila melanogaster*. *PeerJ*,*7*:e8097. https://doi.org/10.7717/peerj.8097

Tkachuk, K. A., & Dunn, D. (2020).Analysis of sea lamprey environmental DNA during lampricide treatment in a tributary of Lake Ontario*. Knowledge and Management of Aquatic Ecosystems*, *421*(14), 5 pgs. https://doi.org/10.1051/kmae/2020006

Windstam, S. T., & Olori, J. C. (2014). Prevalence of *Batrachochytrium dendrobatidis*, causal agent of amphibian chytridiomycosis, in Oswego County in 2012. *Northeastern Naturalist*, *21*: NENHC-25- NENHC-34. [As proceedings of the Northeastern Natural History Conference]

RESEARCH PRESENTATIONS

*\*Undergraduate mentee presenter*

Banla\*, I., Mohamed, K. I., Brisch\*, E., & Kim, Hyi-Gyung (Clara). (2010, Apr. 20). *Asymmetric introgressive hybridization in conspecific* Typha *(cattail) at the Rice Creek Field Station (RCFS)* [poster]*.* 12th Annual Student Academic Conference, Minnesota State University Moorhead, Moorhead, MN, USA.

Bowman\*, D., Cruz\*, K., & Geetha-Loganathan, P. (2014, Sep.). *Comparative embryological analysis of turtle and chicken* [poster]*.* Oswego Summer Scholars Symposium, SUNY Oswego, Oswego, NY, USA.

Cary\*, R. E., Olori, J. C., Windstam, S. T., & Chandler, C. (2014, Apr. 7–9). *Screening amphibian populations in Oswego County, NY for infectious ranavirus.* 14th Northeast Natural History Conference, Springfield, MA, USA.

Cary\*, R., Olori, J., Corbett\*, B., Worzel\*, T., Chandler, C., & Windstam, S. (2015, Nov. 7). *Multi-year trends of ranavirus infection in Northeastern amphibians.* Rochester Academy of Science Meeting, Rochester, NY, USA.

Corin\*, R., Olori, J., Windstam, S., & Cary\*, R. (2014, Nov. 15). *Prevalence of* Batrachochytrium dendrobatidis *and ranavirus in amphibians sampled from 2012–2014 in Oswego County, NY*. Rochester Academy of Science Meeting, Rochester, NY, USA.

Cruz\*, K., & Geetha-Loganathan, P. (2015, Apr. 15). *SEM analysis of turtle embryogenesis* [presentation]. Quest, SUNY Oswego, Oswego, NY, USA.

Cruz\*, K., Trojanowski\*, K., & Geetha-Loganathan, P. (2015, Apr.). *SEM analysis of turtle embryogenesis* [poster]. SUNY Undergraduate Research Conference, SUNY Brockport, Brockport, NY, USA.

Cruz\*, K., Trojanowski\*, K., & Geetha-Loganathan, P. (2015, Apr.). *SEM analysis of turtle embryogenesis* [poster]. Sigma Xi Northeastern Regional Research Conference, Western Connecticut State University, Danbury, CT, USA.

Dahal\*, L., Sheaffer\*, S., Job\*, M., & Geetha-Loganathan, P. (2018, Sep.). *Gonadal histopathology of freshwater mussels (*Elliptio complanata*) induced by atrazine* [poster]. Oswego Summer Scholars Symposium, SUNY Oswego, Oswego, NY, USA.

Drzewiecki\*, K. M., & Baldassarre, D. T. (2019). *No difference in male Northern Cardinal plumage color between rural and urban environments* [poster]. 46th Annual Fall Scientific Paper Session of the Rochester Academy of Science, Rochester, NY, USA.

Eldridge\*, H. (2015, Nov.). *Effects population density on individual behavior responses* [presentation]. Rice Creek Experience, Rice Creek Field Station, SUNY Oswego, Oswego, NY, USA. (Sponsor: Sagot, M.)

Eldridge\*, H. (2016, Apr.). *Effects population density on individual behavior responses* [presentation]. Quest, SUNY Oswego, Oswego, NY, USA. (Sponsor: Sagot, M.)

Geetha-Loganathan, P. (2015, Nov.). *Early embryonic vascular development in turtles* [presentation]. Rice Creek Experience, Rice Creek Field Station, SUNY Oswego, Oswego, NY, USA.

Geetha-Loganathan, P. (2016, Oct.). *Isolation and characterization of microbial colonization in snapping turtle (*Chelydra serpentina*) eggs* [presentation]. Rice Creek Experience, Rice Creek Field Station, SUNY Oswego, Oswego, NY, USA.

Geetha-Loganathan, P. (2017, Apr.). *Effects of prenatal music stimulation on early embryonic development of* Gallus gallus[poster]*.* Society for Developmental Biology Northeast Regional Meeting, MBL, Woods Hole, MA, USA.

Geetha-Loganathan, P. (2017, Jul.). *Isolation and characterization of microbial colonization in snapping turtle (*Chelydra serpentina*) eggs* [poster]. Society for Developmental Biology 76th Annual Meeting, Minneapolis, MN, USA.

Geetha-Loganathan, P. (2019, Nov.). *A comparative study of eggshells of Passeriformes birds* [presentation]. Rice Creek Experience, Rice Creek Field Station, SUNY Oswego, Oswego, NY, USA.

Gibbons\*, J., & Geetha-Loganathan, P. (2016, Nov.). *Isolation and characterization of microbial colonization in snapping turtle (*Chelydra serpentina*) eggs* [presentation]. Rochester Academy of Science 43rd Annual Fall Scientific Paper Session, Roberts Wesleyan College, Rochester, NY, USA.

Gibbons\*, J., & Geetha-Loganathan, P. (2016). *The ultrastructure of* Chrysemys picta *eggshell and shell membrane* [presentation]. Rice Creek Experience, Rice Creek Field Station, SUNY Oswego, Oswego, NY, USA.

Gibbons\*, J. & Geetha-Loganathan, P. (2016, Sep.). *The ultrastructure of* Chrysemys picta *eggshell and shell membrane* [poster]. Oswego Summer Scholars Symposium, SUNY Oswego, Oswego, NY, USA.

Gibbons\*, J., & Geetha-Loganathan, P. (2017, Nov.). *Identifying the source of infection in snapping turtle (*Chelydra serpentina*) eggs* [poster]. Sigma Xi Student Research Conference, NC, USA.

Gibbons\*, J., Job\*, J., & Geetha-Loganathan, P. (2017, Sep.). *Identifying the source of infection in snapping turtle (*Chelydra serpentina*) eggs* [poster]. Oswego Summer Scholars Symposium, SUNY Oswego, Oswego, NY, USA.

Hidoyatov\*, M., & Geetha-Loganathan, P. (2019, Nov.). *A comparative study of eggshells of Passeriformes birds* [oral]. Rochester Academy of Science 46rd Annual Fall Scientific Paper Session, Monroe Community College, State University of New York, Brighton, NY, USA.

Hidoyatov\*, M., & Geetha-Loganathan, P. (2019, Nov.). *A comparative study of eggshells of Passeriformes birds* [poster]. Sigma Xi Student Research Conference, WI, USA.

Job\*, J., & Geetha-Loganathan, P. (2017, Oct.). *Identifying the source of infection in snapping turtle (*Chelydra serpentina*) eggs* [presentation]. Rochester Academy of Science 44rd Annual Fall Scientific Paper Session, St. John Fisher College, Rochester, NY, USA.

Job\*, J., Job\* M., & Geetha-Loganathan, P. (2017, Nov.). *Effect of atrazine on* Elliptio complanata[presentation]*.* Rice Creek Experience, Rice Creek Field Station, SUNY Oswego, Oswego, NY, USA.

Job\*, M., & Geetha-Loganathan, P. (2019, Apr.). Effect of atrazine on *Elliptio complanata.* Quest, SUNY Oswego, Oswego, NY, USA.

Job\*, M. and Geetha-Loganathan, P. (2019, Oct.). *Effect of atrazine on* Elliptio complanata[presentation]*.* Sigma Xi Student Research Conference, San Francisco, CA, USA. *Poster won the Sigma Xi judges award for best presentation.*

Job\*, M., Job\*, J., & Geetha-Loganathan, P. (2017, Sep.). *Effect of atrazine on* Elliptio complanata[poster]*.* Oswego Summer Scholars Symposium, SUNY Oswego, Oswego, NY, USA.

Job\*, M., Job\*, J., & Geetha-Loganathan, P. (2017, Oct.). *Effect of atrazine on* Elliptio complanata[poster]*.* Rochester Academy of Science 44rd Annual Fall Scientific Paper Session, St. John Fisher College, Rochester, NY, USA.

Katz\*, R., & Schummer, M. (2015, Apr.). *Evaluation of iButton and HOBO temperature sensors to determine internal temperatures of artificial nest boxes and nests of Wood Ducks*. Quest, SUNY Oswego, Oswego, NY, USA.

Keene\*, G. (2010, Nov.). *Genetic and ecological studies of food plant use in* Papilio polyxenes [presentation]. Rice Creek Experience, Rice Creek Field Station, SUNY Oswego, Oswego, NY, USA. (Sponsor: Sime, K.).

Lerouge\*, K. (2018). *The effects of temperature and day length on the daily movements and home range of the southern flying squirrel* (Glaucomys volans) [presentation]. Rice Creek Experience, Rice Creek Field Station, SUNY Oswego, Oswego, NY, USA. (Sponsor: Sagot, M.).

Lerouge\*, K. (2019). *The effects of temperature and day length on the daily movements and home range of the southern flying squirrel* (Glaucomys volans) [poster]. Quest, SUNY Oswego, Oswego, NY, USA. (Sponsor: Sagot, M.).

McCarthy\*, J. (2018). *Effects of* Ophryocystis elektroscirrha *(OE) on the Painted Lady Butterfly (*Vanessa cardui*) (Lepidoptera: Nymphalidae)*. The Lepidopterists’ Society 67th Annual Meeting, Ottawa, ON, Canada. (Sponsor: Sime, K.).

McCarthy\*, J. (2018, Apr.). *Effects of the parasite* Ophryocystis elektroscirrha *on the Painted Lady Butterfly,* Vanessa cardui *(Lepidoptera: Nymphalidae)*. Quest, SUNY Oswego, Oswego, NY, USA. (Sponsor: Sime, K.).

McCarthy-Walker\*, T., & Ntim-Gyakari\*, R. (2019, Apr.). *Effect of* Starmerella *species on development of* Drosophila melanogaster [poster presentation]. Quest, SUNY Oswego, Oswego, NY. Presentation chosen for Sigma Xi award in Biological Sciences. (Sponsor: Newell, P.).

Mohamed, K. I. (2009, Nov. 6). *Evolutionary mechanism via invasion and hybridization in conspecific* Typha (*cattail*) *at the Rice Creek Field Station* [invited presentation]. Rice Creek Experience, Rice Creek Field Station, SUNY Oswego, Oswego, NY, USA.

Nelson\*, M. (2016). *Effects of weather conditions on the foraging habits of southern flying squirrel (*Glaucomys volans*) at Rice Creek Field Station* [presentation]. Rice Creek Experience, Rice Creek Field Station, SUNY Oswego, Oswego, NY, USA. (Sponsor: Sagot, M.).

Nelson\*, M. (2017). *Effects of seasonality on the foraging habits of southern flying squirrel (*Glaucomys volans*) in the northern portion of its distribution* [poster]. Quest, SUNY Oswego, Oswego, NY, USA. Sigma Xi best poster presentation winner. (Sponsor: Sagot, M.).

Newell, P. D., Dodangoda\*, H., McCarthy-Walker\*, T., Ntim-Gyakari\*, R., & Solomon, G. (2019). *How do microbes impact the development of* Drosophila melanogaster? [poster].Northeast Microbiologists: Physiology, Ecology, and Taxonomy Meeting, Blue Mountain Lake, NY, USA.

Niu\*, G., & Geetha-Loganathan, P. (2018, Nov.). *The ultrastructure of Amazon yellow-spotted river turtle egg shell and shell membrane* [presentation]. Rochester Academy of Science 45rd Annual Fall Scientific Paper Session, State University of New York at Geneseo, Geneseo, NY, USA.

Niu\*, G., & Geetha-Loganathan, P. (2018, Sep.). *The ultrastructure of Amazon yellow-spotted river turtle egg shell and shell membrane* [poster]. Oswego Summer Scholars Symposium, SUNY Oswego, Oswego, NY, USA.

Olori, J. C., & Windstam, S. (2017, Jul. 12–16). *Multi-year prevalence and co-infection dynamics of ranavirus and chytrid fungus in Central New York*. Joint Meeting of Ichthyologists and Herpetologists, Austin, TX, USA.

Olori, J. C., Spath\*, K., & Windstam, S. T. (2016, Apr. 23–24). *Prevalence and co-infection dynamics of ranavirus and chytrid fungus in Central New York*. 16th Northeast Natural History Conference, Springfield, MA, USA.

Olori, J. C., Windstam, S. T., & Cary\*, R. E. (2014, Aug. 13–14). *Three-year, student-driven study of prevalence patterns of* Batrachochytrium dendrobatidis *and ranavirus in Oswego County, NY* [poster]. Northeast Partners in Amphibian and Reptile Conservation Annual Meeting, Allegany State Park, Salamanca, NY, USA.

Omeragic\*, I., Arnautovi\*, A., & Geetha-Loganathan, P. (2016, Sep.). *Phenotypic characterization of fungus from snapping turtle eggs* [poster]. Oswego Summer Scholars Symposium, SUNY Oswego, Oswego, NY, USA.

Palacios\*, S. I., & Geetha-Loganathan, P. (2016, Apr.). *Early embryonic vascular development in turtles* [poster]. Quest, SUNY Oswego, Oswego, NY, USA.

Razik\*, I. (2017, Nov.). *Effects of seasonality on the foraging patterns of the North American beaver (*Castor canadensis*) at Rice Creek Field Station* [presentation]. Rice Creek Experience, Rice Creek Field Station, SUNY Oswego, Oswego, NY, USA. (Sponsor: Sagot, M.).

Razik\*, I. (2018, Apr.). *Effects of seasonality on the foraging patterns of the North American beaver,* Castor canadensis [presentation]. Quest, SUNY Oswego, Oswego, NY, USA. Sigma Xi best oral presentation winner. (Sponsor: Sagot, M.).

Robinson\*, B., & Schummer, M. (2015, Apr.). *Effects of scavenging birds and insects on decomposition rate of pig carcasses at Rice Creek Field Station*. Quest, SUNY Oswego, Oswego, NY, USA.

Solomon\*, G., & Newell, P. D. (2017, Oct.). *Microbiota of the invasive crop pest, spotted wing* Drosophila [presentation]*.* Rochester Academy of Science Fall Paper Session, St. John Fisher College, Rochester, NY, USA.

Solomon\*, G., & Newell, P. D. (2018, Apr.). *Microbiota of the invasive crop pest, spotted wing* Drosophila [presentation]*.* Quest, SUNY Oswego, Oswego, NY, USA.

Trojanowski\*, K., Gibbons\*, J., & Geetha-Loganathan, P. (2016, Apr.). *Three-dimensional analysis of turtle morphogenesis.* Quest, SUNY Oswego, Oswego, NY, USA.

Windstam, S. T., & Olori, J. C. (2013, Apr. 13–15). *Prevalence of* Batrachochytrium dendrobatidis*, causal agent of amphibian chytridiomycosis, in Oswego Co*. 13th Northeast Natural History Conference, Springfield, MA, USA.

Windstam, S. T., & Olori, J. C. (2014, Apr. 7–9). *Annual fluctuations in prevalence of* Batrachochytrium dendrobatidis *during a two-year field study in Oswego Co*. 14th Northeast Natural History Conference, , Springfield, MA, USA.

Windstam, S., Spath\*, K. Preston, S., Austin\*, A., & Olori, J. (2016, Aug. 21–26). *Does amphibian infection status predispose animals to co-infection by ranavirus and* Batrachochytrium dendrobatidis*?* [poster]. 16th International Symposium on Microbial Ecology, Montreal, Canada.

Wolff\*, R. (2019). *How bacteria in snails (Mollusca: Gastropoda) differ in relation to* Digenean *(Platyhelminthes) infection: An unfinished study* [presentation]*.* Rice Creek Experience, Rice Creek Field Station, SUNY Oswego, Oswego, NY, USA. (Sponsor: Newell, P.).

Wolff\*, R. (2019). *The three-way intersection between host, parasite, and microbiome in freshwater snails* [poster]*.* RISE symposium, SUNY Oswego, Oswego, NY, USA. (Sponsor: Newell, P.).