

HYUN SEOK YOON

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EDUCATION

Ph.D.: University of Tennessee-Knoxville. Armsworth Lab. Major: Ecology and Evolutionary Biology | Diploma expected 2024
B.S.: Cornell University 2017 (Magna cum laude). Major: Biology; Minor: Natural Resource.

PUBLICATIONS Academic peer-reviewed journal publication:

- Getz, W., et al. (Yoon, H. included) (2018). Modeling epidemics: A primer and Numerus Model Builder implementation. *Epidemics*, 25, 9-19.
- Winkler, D., et al. (Yoon, H. included) (2020). Full lifetime perspectives on the costs and benefits of lay-date variation in tree swallows. *Ecology*, 101(9).
- Gibson, N., et al. (Yoon, H. included) (2021). Towards an ecology of disasters: a primer for the pursuit of ecological research on disasters.
- Yoon, H. & Armsworth, P. (2022). Timing land protection to exploit favorable market conditions. *Biological Conservation*, 27. 109566.
- Yoon, H., Vijay, V., Armsworth, P. (2022). Spatial heterogeneity in the added conservation value from protecting land influences protected area priorities. *Conservation Biology*.

Other publication:

- Yoon, H. (2011). Boy Asks for the Path on a Tideland - Essay on the Perspective of a Youth on Saemangeum Tideland Conservation Movement Against the Land Reclamation Project . Ddein-dol. *Korean Publication
- Yoon, H. (2017). Effect of Temperature on Nematocera Flying Population Dynamics. Cornell Biology Honors Booklet.
- Carlson, C., et al. (Yoon, H. included) (2017). The Parasite Extinction Assessment & Red List: an open-source, online biodiversity database for neglected symbionts. *bioRxiv*: 192351.

GRANTS AND FELLOWSHIP

- Graduate Student Senate Travel Award (2020 August); \$750
- Ecology and Evolutionary Biology Departmental Grant (2021 May); \$2447
- Graduate Research Assistantship from Oak Ridge National Lab (2022 January); Tuition and Stipend for 2022 Spring.
- U.S. Department of the Interior Southeast Climate Adaptation Science Center Graduate Student Research Award (2022 January); \$1500
- Graduate Student Senate Travel Award (2021 April); \$960
- Graduate Advancement & Training Education (2022 May); Tuition and Stipend for 2022 Fall and 2023 Spring.

AWARDS

Minister Award from Korea Ministry of Oceans and Fisheries (March 2009)
Bachelor of Science with Distinction in Research (May 2017)
People who Brightened the World from Korea Green Foundation (Dec 2011)
Tom Hallam award for "Outstanding Graduate Student with interest in Math Ecology or Environmental Ecology" (May 2022)

WORK/EDUCATION

Oak Ridge National Lab Graduate Student Opportunity (GSO) Program (July 2021- August 2021)
Started the research on the effect of power plants and climate change in the distribution shift of freshwater species. I gathered the species occurrence data to use as input data for species distribution modeling that would predict the distribution of freshwater fish and mussel species based on environmental variables such as temperature and flow. I also communicated with the collaborators at CUNY to obtain and process the stream temperature and flow data.

Yuseob Lab; Research Assistant (Nov. 2017- July. 2019)

Worked in a theoretical population genetics lab. Worked on the effect of seasonal variance of fitness on balancing selection and the effect of virus reassortment on muller's ratchet effect on Influenza virus.

Getz Lab; Intern (June - Sept, 2017)

Web development for application that features the Parasite Extinction Application and Red List (PEARL), an open-access database of conservation assessments and distributional data for almost 500 macroparasitic invertebrates. Also made online video tutorials for Numerus Model Builder software, a graphically-driven modeling platform.