
WILLIAM H. KISH

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EDUCATION

January 2020-May 2020	Smithsonian Mason Conservation Institute, Front Royal, VA Accepted for Spring 2020
August 2016-December 2019	Longwood University, Farmville, VA Bachelor of Science in Biology Cumulative GPA: 3.168/4.000, Major GPA: 3.462/4.000
September 2014 – June 2015	John Tyler Community College, Chester, VA Dual enrollment US History

RESEARCH EXPERIENCE

September 2017- December 2019	Undergraduate Research Assistant , Longwood University <u>Mentor:</u> Sujan M. Henkanathgedara, Ph.D., Assistant Professor <u>Research Project:</u> The Diversity and Distribution of Spiders(Arachnida: Araneae) along an Urban Gradient
January 2019-July 2019	Perspectives on Research In Science & Mathematics (PRISM) , Longwood University <u>Mentor:</u> Sujan M. Henkanathgedara, Ph.D., Assistant Professor <u>Research Project:</u> An assessment of diversity and structure of vernal pool communities at High Bridge Trail State Park

PUBLICATIONS

October 2019	The Diversity and Distribution of Spiders (Arachnida: Araneae) along an Outdoor- Indoor Habitat Gradient: Preliminary Findings from Piedmont Virginia. William Kish and Sujan Henkanathegedara (2019) Virginia Journal of Science, 70(3), 18 pp. doi: 10.25778/ej65-br87
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COURSE WORK

August 2019	Freshwater Ecology , Longwood University <u>Mentor:</u> Dina Leech, Ph. D., Associate Professor
January 2019	Ornithology , Longwood University <u>Mentor:</u> Mark L. Fink, Ph.D., Associate Professor <u>Research Project:</u> The Effects of Brood Parasitism on the Reproduction in North American Songbirds
January 2019	Vertebrate Morphology , Longwood University <u>Mentor:</u> Wade Znosko, Ph.D., Associate Professor
August 2018	Ichthyology , Longwood University <u>Mentor:</u> Sujan M. Henkanathgedara, Ph.D., Assistant Professor <u>Research Project:</u> Analyzing Morphology and Ecology of the Redear Sunfish
August 2018	Genetics , Longwood University <u>Mentor:</u> Amorette Barber, Ph.D., Associate Professor

- January 2018 Research Project: Lead-sensitive Escherichia coli in the presence of Gun Shot Residue
Research Project: Investigating the effects of resveratrol on the expression of apoptotic genes
Wetlands Seminar, Longwood University
Mentor: Benjamin Campbell, Ph.D., Assistant Professor of Science Education
Research Project: Comparison of Created Vernal Pools to Natural Vernal Pools on Community Composition and Physiochemistry
- January 2018 **Conservation Biology**, Longwood University
Mentor: Mark L. Fink, Ph.D., Associate Professor
Research Project: The Effect of the Invasive Burmese Python on the Florida Ecosystem Compared to the Brown Tree Snake of Guam
- August 2017 **Organic Chemistry II**, Longwood University
Mentor: Andrew Yeagley, Ph.D., Assistant Professor
Research Project: The addition of benzylic bromines to ethyl paraben
- August 2017 **Genetics and Cellular Biology**, Longwood University
Mentor: Erin K. Shanle, Ph.D., Assistant Professor
Research Project: The Effect of Water Flow on the Bacterial Diversity of Lancer Park
- January 2017 **Ecology and Evolution**, Longwood University
Mentor: Sujan M. Henkanaththege, Ph.D., Assistant Professor
Research Project: Potential Impacts of Crayfish on Native Amphibians

CONFERENCES

- May 23, 2019 **The Effects of Physico-chemical Parameters on the Vernal Pool Communities at High Bridge Trail State Park, Virginia**
 Virginia Academy of Science (VAS)
 Norfolk, VA. *Poster Presentation*
- May 23, 2019 **The Diversity and Distribution of Spiders (Arachnida: Araneae) along an Urban Gradient**
 Virginia Academy of Science (VAS)
 Norfolk, VA. *Oral Presentation*
- April 23, 2019 **Assessing the Arthropod Diversity Along an Urban Gradient Using Spiders as a Model**
 Spring Showcase for Research and Creative Inquiry Farmville, VA.
Oral Presentation
- July 13, 2018 **The Effects of Physico-chemical Parameters on the Vernal Pool Communities at High Bridge Trail State Park, Virginia**
 End of PRISM Presentation
 Farmville, VA. *Poster Presentation*
- May 24, 2018 **Hidden Spiders: The Diversity and Distribution of Spiders in a Suburban Landscape in Virginia**
 Virginia Academy of Science (VAS)

April 24, 2018	Farmville, VA. <i>Poster Presentation</i> Diversity of Vernal Pool Communities in High Bridge Trail State Park: The Impacts of Physico-chemical Parameters Spring Presentation of Undergraduate Research (SPUR)
April 24, 2018	Farmville, VA. <i>Oral Presentation</i> The Effects of the Invasive Burmese Python on the Florida Everglades Ecosystem with Reference to the Brown Tree Snake of Guam Spring Presentation of Undergraduate Research (SPUR)
November 28, 2017	Farmville, VA. <i>Poster Presentation</i> The Effect of Water Flow on the Bacterial Diversity of Lancer Park Fall Research Day
April 26, 2017	Farmville, VA. <i>Poster Presentation</i> Potential Impacts of Crayfish on Native Amphibians Spring Presentation of Undergraduate Research (SPUR) Farmville, VA. <i>Oral Presentation</i>

AWARDS AND SCHOLARSHIPS

Fall 2019- Spring 2020	Walton Scholarship for Biology
November 2018	Virginia Academy of Science (VAS) Undergraduate Research Grant
October 2017	Longwoods Office of Student Research (OSR) Research Grant

MEMBERSHIPS

Fall 2018-present	The Scientific Research Honor Society (Sigma Xi), member
2018 – present	National Biological Honor Society (BBB), member
Spring 2018-present	National Society of Leadership and Success, member

SKILLS

Field techniques:	<ul style="list-style-type: none"> ○ Burlse funnels ○ Pitfall traps ○ Net sweeping for aquatic and terrestrial invertebrates ○ Minnow traps ○ North American Bird Identification
Computer skills:	<ul style="list-style-type: none"> ○ Microsoft word, Excel, and PowerPoint ○ R Statistical Analysis Program