

HOGYEUM 'EVAN' JOO

Rutgers, State University of New Jersey

cell: 929-304-0859

Department of Ecology, Evolution and Natural Resources

New Brunswick, NJ 08901

e-mail: evan.h.joo@rutgers.edu

-RESEARCH INTERESTS-

Urban Ecology ▪ Socio-ecological relationship between people and Surrounding Environments

▪ Human Ecology ▪ Urban Green Spaces Conservation ▪ Urban Sustainability

-EDUCATION-

2021 – Present

Ph.D Student, Ecology and Evolution, Rutgers University, New Brunswick, NJ, USA

Department of Ecology, Evolution and Natural Resources.

Advisor: Dr. Myla Aronson

2021

MS, Sustainability Management, Columbia University in the City of New York, New York, NY

The Earth Institute – School of Professional Studies

Advisor: Dr. Steven Cohen

2019

B.A. with Honors, Ecosystems and Human Impact, Stony Brook University, Stony Brook, NY.
Minor in Geospatial Science

Sustainability Studies Program, School of Marine and Atmospheric Sciences

Honors Thesis: *Campus Forest as a target of urban open space preservation: a case study*

Honors/Faculty Advisor: Dr. Sharon Pochron

-AWARDS AND HONORS-

2019

• *Research Award*, School of Marine and Atmospheric Sciences, Stony Brook University

• *Honors*, Undergraduate Departmental Honors Program, School of Marine and Atmospheric Sciences, Stony Brook University

• *2nd Place Winner*, School of Marine and Atmospheric Sciences Environmental Essay Competition, Stony Brook University

• *Nominee*, Undergraduate Recognition Award - Outstanding Achievements, Stony Brook University

• *Scholarship Award Winner*, Ashley Schiff Preserve Scholarship (\$1,000)

2017

• *Best Poster Presentation Award*, Asian Wetland Symposium 2017

2016

• *Award of Appreciation*, The Friends of Ashley Schiff Preserve

-ACADEMIC EXPERIENCE-

- 2022
- *Teaching Assistant*, Biological Research Laboratory, Rutgers University
- Prep, lecture, test administration, safety responsibilities, and grading for two 4-hour laboratory instructional hours each week for undergraduate students at 48 students per semester. Topics and lab activities include basic methods of sampling, DNA barcoding, experimental design...etc.
- 2021
- *Teaching Assistant*, Principles of Biology Lab, Rutgers University
- Prep, lecture, test administration, safety responsibilities, and grading for two 3-hour laboratory instructional hours each week for undergraduate students at 36 students per semester. Topics and lab activities include basic methods of sampling, DNA extraction, plant and animal structure observation, photosynthesis experiment...etc.
- 2020
- *Graduate Urban Ecology/Restoration Policy Consultant*, Urban Ocean Lab
- Conducted in-depth research and evaluation on coastal ecosystem restoration projects, resiliency-building initiatives, and administrative policies focusing on the effectiveness of coastal ecosystem restoration and increase of ecosystem services including coastal resiliency against climate change driven-consequences.
- *Faculty Support Assistant*, Sustainability and Urban Forms, Columbia University
- As a Faculty Support Assistant, I address student inquiries and meetings with the professor to review the materials that are required for the class. Additionally, I assist the professor to communicate with the weekly guest lecturers regarding the paperwork and course materials.
- Professor: Dr. Allison Bridges, Columbia University
- *Independent Study*, Open Space Preservation on Higher Education Institution, Columbia University
- As an independent study in Sustainability Management, a comprehensive review on open space preservation cases on 5 universities to discuss the significance and history of open space preservation on a specific social/physical environment – higher education institution. The work is titled [Environment, Preservation, and Higher Education Institutions: a review on open space preservation cases on college campuses].
- Advisor: Dr. Steven Cohen, The Earth Institute, Columbia University
- 2019
- *Student Committee Member*, Campus Tree Advisory Committee for Tree Campus USA, Stony Brook University
- A student member has a responsibility to assist in providing guidance for future planning and campus tree plans, on education of the campus population on the benefits of the campus trees, and to develop connectivity to the community.
- *Undergraduate Honors Thesis Project*, Stony Brook University
- Thesis Title: Campus Forest as a Target of Green Space Preservation
- As a part of Undergraduate Departmental Honors Program (Ecosystems and Human Impact Program, School of Marine and Atmospheric Sciences), I have conducted an interdisciplinary thesis research titled *Campus forest as a target of urban open land preservation*. The purpose of the research is to identify the roles of open lands and vegetations on a university campus setting, and how the stakeholders, focusing on the student body, value their own campus environment. Additionally, total 66 SUNY-affiliated institutions and 8 Ivy League universities on the status of university-lead nature preserves and its values, recognition, and legal protection status on their properties.
- Advisor: Dr. Sharon Pochron, School of Marine and Atmospheric Sciences, Stony Brook University
- *Scholarship Program*, Ashley Schiff Park Preserve Awareness Assessment 2019
- Scholarship granting organization: Friends of Ashley Schiff Preserve. Awarded \$1,000
- Led a three-year awareness evaluation project focusing on the natural areas of the campus, including the

Ashley Schiff Preserve.

- 2015 • *Independent Project*, Ashley Schiff Park Preserve Awareness Assessment Survey Project, Stony Brook University
- Designing and conducting an online/off-line environmental awareness evaluation project on Stony Brook University campus as an independent project.
- 2015-2016 • *Internship*, Curriculum Development for Undergraduate Level Course in Agroecology, Sustainability Studies Program, Stony Brook University
- Title of the Proposed Class: Agro-ecology and Sustainable Food Systems
- Developing an undergraduate course on Agroecology, as a part of Sustainability Studies Program curriculum at Stony Brook University. The goal of the course was to have a hybrid (lecture and lab) format course on food systems, and agricultural practice experiments.
- Advisor: Marc Fasanella, Ph.D., Sustainability Studies Program, Stony Brook University
- 2016 • *Undergraduate Teaching Assistant*, for CSK 305 - Collective Action and Advocacy, Stony Brook University
- Helped building the curriculum with Professor, Dr. Marc Fasanella (Sustainability Studies Program), and worked as an undergraduate TA - grading, helping and managing the class materials and students, and delivering a couple of lectures about my personal experiences.
- CSK 305 - [Collective Action and Advocacy] was first taught in the spring semester of 2016, as a required course for the students in Sustainability Studies Program. The course was designed to address the ways to act collectively to address various issues - gender equality, human rights, environment...etc. and encouraged students to deliver their idea to general public using the various methods taught in the class.
- 2014 • *Independent Research*, Village Ponds Research, Orissa, Republic of India
- With help from Chilika Development Authority, made analysis on distributional pattern using GIS program, and the traditional ecological knowledge of the maintenance of the village ponds and its ecosystem service values.

-ENGAGEMENT & WORK EXPERIENCES-

- 2021 • *Volunteer Program Assistant*, Partnerships for Parks – New York City Dept. of Parks and Recreations
- *Panelist*, Stony Brook University Sustainability Studies Program Alumni Panel
- *Guest Lecturer*, Paul W. Zuccaire Gallery, Staller Center for the Arts, Stony Brook University
- 2020 – Present • *Volunteer Program Manager*, Friends of the Ashley Schiff Preserve
- 2020 • *Office of Admissions Intern*, School of Professional Studies, Columbia University
- 2019 – Present • *Alumni Representative / Social Media Manager*, Friends of the Ashley Schiff Preserve
- 2016-2018 • *Bandsman*, Republic of Korea Army 2nd Operational Command Military Band
- 2014- 2016 • *Student Member*, EcoLeaders at Stony Brook University

-PRESENTATIONS-

Hogyem Joo, *Higher Education Institution-led Open Space Preservation: a new view on the relationship between universities and their surrounding ecosystems in regards to the ESGs*. Poster Presentation, The 9th International Conference on Sustainable Development 2021, Virtual, August 2021

Ilona Khimey, Sarah Kelly, Amanda Nuzzo, Ryan Silver, Sharon Pochron, **Hogyeum Evan Joo**, *From Oaks to Deer: A look at the biodiversity of Stony Brook University*. Poster Presentation, URECA Undergraduate Research Symposium, Stony Brook, NY, May 5th, 2021

Amanda Nuzzo, Ilona Khimey, Ryan Silver, Sharon Pochron, **Hogyeum Evan Joo**, *A Closer Look at Stony Brook University's Ecosystem Health: a taxonomic categorization*. Poster Presentation, URECA Undergraduate Research Symposium, Stony Brook, NY, May 5th, 2021

Hogyeum Joo. *Campus Forest as a target of Urban Open Space Preservation*. Session Oral Presentation, The 7th Annual International Conference on Sustainable Development 2019, New York, NY, September 24-25th, 2019

Hogyeum Joo. *Campus Forest as a target of Urban Open Space Preservation: a case study*. Symposium Oral Presentation, School of Marine and Atmospheric Sciences Honors Research Symposium, Stony Brook University, Stony Brook, NY, May 9th, 2019.

Hogyeum Joo. *Ashley Schiff Preserve Awareness Assessment and Future*. Guest Lecture, Friends of the Ashley Schiff Preserve Annual Meeting, Stony Brook, NY, May 15th, 2019

Hogyeum Joo. *Use of Wetland Artifacts as Wetland Educational Tools in NE Asia*. Symposium Oral Presentation, 2011 Asian Wetland Symposium, Sabah, Malaysia, July 18-20th, 2011.

Hogyeum Joo, Jennifer Meikle, Sharon Pochron. *Did you know?: an awareness assessment on Stony Brook University's hidden gem, Ashley Schiff Preserve*. Poster Presentation, Earthstock Environmental Student Research Poster Exhibition, Stony Brook, NY, April 19th, 2019.

Hogyeum Joo, Sharon Pochron. *University nature preserve and public awareness: a case study*. Poster Presentation, 7th Long Island Natural History Conference 2019, Brookhaven, NY, March 22-23rd, 2019.

Injun Son, **Hogyeum Joo**, Gu-yeon Kim, Ji yoon Kim, Krupasindhu Bhatta, Yunso Do. *Valuation of Village Ponds as Cultural Landscape Component in India: Preliminary Study*. Poster Presentation, Asian Wetland Symposium 2017, Saga, Japan, November 7-11th, 2017.

Hogyeum Joo, Marc Fasanella, Sharon Pochron. *Awareness Assessment of Ashley Schiff Preserve, Stony Brook University*. Poster Presentation, URECA Undergraduate Research Symposium, Stony Brook, NY, April 28th, 2016.

Hogyeum Joo, Yunso Do, Ji yoon Kim, Krupasindhu Bhatta. *Understanding of the current status and management practices of the village ponds in Chilika lagoon basin, Eastern India*. Poster Presentation, The 100th Ecological Society of America Annual Meeting, Baltimore, MD, August 9-14th, 2015

Hogyeum Joo, Ji yoon Kim, Ran-Young Im, Ajit Pattnaik, Yunso Do. *Village ponds as important landscape components in Eastern India (I) Chilika Lagoon basin: Patterns of Distribution*. Poster Presentation, The 16th International Symposium on River and Lake Environment, Chuncheon, South Korea, August 24-27th, 2014.

-SKILLS-

- Proficient with Microsoft Word, PowerPoint, and Excel
- Skilled in ArcMap, ArcGIS Pro, and STELLA modeling program.
- Fluent in Korean & English. Understanding of Written Chinese Characters
- Social Media platform management – Facebook, Instagram, MailChimp, WordPress website, Google Suite

