

JOHNNY J. QUISPE

93 Lipman Drive Room 112, New Brunswick, NJ 08901 | Johnnyq@sebs.rutgers.edu | 201.723.3702

EDUCATION

Rutgers University, Graduate Program in Ecology and Evolution, New Brunswick, NJ

Ph.D. Candidate in Ecology and Evolution, 2015-2020 est. **GPA: 3.915**

- Eagleton Fellow, Eagleton Institute of Politics, 2017, Certificate in Politics and Government
- Coastal Climate Risk and Resilience Fellow, 2017-2019
- Human Dimensions of Environmental Change Graduate Certificate Program

Rutgers University, School of Environmental and Biological Sciences, New Brunswick, NJ

B.S. International Environmental Policy, Institutions, and Behaviors, Concentration: Forestry, 2014

SCIENCE POLICY & COMMUNICATION EXPERIENCE

Public Policy Fellow, **University Corporation for Atmospheric Research**, Washington DC.

Policy Intern, **United States Environmental Protection Agency Region II**, New York, NY Feb. - August 2017

Policy Intern, **New Jersey Future, Jersey Water Works**, Trenton, NJ Sept. 2016 - Feb. 2017

Policy Intern, **New Jersey Department of State, Office of the Lieutenant Governor**, Trenton, NJ May- Sept. 2016

RESEARCH EXPERIENCE

Digital Raritan River – A Pilot Study on Creating a Rich Digital Environment to Support Resilience Centered Investigations in the Raritan River Region under direction of Dr. Jie Gong (Civil and Environmental Engineering) 2018-Present

Submergence or Survival? The Role of *Phragmites australis* and *Spartina alterniflora* in the Survival of Tidal Marshes.
PI: Johnny Quispe, Rutgers University Dept. of Ecology and Evolution 2017- Present

Keeping up with Sea-Level Rise: The Role of Vegetation in the Resilience of Tidal Marshes
PI: Johnny Quispe, Rutgers University Dept. of Ecology and Evolution 2017- Present

Marshes Creek Flood Protection & Wetlands Restoration under direction of Dr. JeanMarie Hartman & Dr. Nicole Fahrenfeld, Rutgers University Dept. of Ecology and Evolution & Dept. of Civil and Environmental Engineering (2014-Present)

Roles of Forested Landscapes in Watershed Management and Planning for Central New Jersey under Dr. Hartman, Rutgers University Department of Landscape Architecture (2014- 2016)

New Jersey Hurricane Sandy Study Team under Dr. Joanna Burger, Rutgers University Department of Cell Biology & Neuroscience (2015-2016)

GRANTS, FELLOWSHIPS, & AWARDS (≈240k)

2018	UCAR Public Policy Fellowship \$80k	2018	USGS & NJ Water Resources Research Institute Research Grant \$5K
2018	Charlie Kontos Memorial Fellowship in Environmental Conservation \$1.5k	2017	Coastal Climate Risk & Resilience Fellowship \$130K
2018	Garden Club of New Jersey Scholarship \$2k	2017	Coastal and Estuarine Research Federation Rising TIDES Award
2018	Jilin Graduate Research Forum Awardee	2017	New Leaders Council Fellowship
2018	The Garden Club of America Award in Coastal Wetlands Studies \$5K	2016	Eagleton Institute of Politics Fellowship \$6K
2018	Science Explorer Fellowship	2016	Organization for Tropical Studies Award \$2.1K
2018	ESA Katherine S. McCarter Graduate Student Policy Award	2016	Rutgers Special Study Award (Fall & Spring) \$1.5K

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PUBLICATIONS AND PRESENTATIONS

- **Quispe J.** Predicting Coastal Impacts from Sea Level Rise: Where ocean and land collide Invited Speaker at Membership Meeting, Lawrence Brook Watershed Partnership, Milltown, NJ, November 20, 2018
- **Quispe J.** Marsh Response to Sea Level Rise: Survival of Tidal Marshes in the Raritan River, National Science Foundation Research Trainee Annual Meeting, September 27-28 2018, Arlington, VA
- **Quispe J.** Marsh Response to Sea Level Rise: Survival of Tidal Marshes in the Raritan River Jilin Graduate Student Research Forum, June 22nd 2018, Jilin University, China
- **Quispe J.** Marsh Response to Sea Level Rise: Survival of Tidal Marshes in the Raritan River 10th Annual Sustainable Raritan River Conference June 2018 Rutgers University New Brunswick, NJ Poster and Invited Talk
- **Quispe J.** Marsh Response to Sea Level Rise: The Role of Tidal Marshes in Coping with Sea Level Rise and Coastal Acidification, RPPC May 2018, Rutgers University New Brunswick, NJ
- Hartman, J.M., Park, B.Y., **Quispe, J.** The Role of Forests as Green Infrastructure. Council of Educators in Landscape Architecture (CELA) March 2018 Presented by Hartman, J.M
- Hartman, J.M., and **Quispe J.** In Prep. The prospects of vegetation coverage with hydrologic change in Marshes Creek, NJ. For Wetlands.
- **Quispe J.** Marsh Response to Sea Level Rise: Survival of Tidal Marshes in the Raritan River. Invited Talk GREENS Meeting November 13th 2017
- Arbab N, **Quispe J**, Hartman J. In Review Journal of Water Resources Management. Effects of digital elevation model (DEM) variation on water quality model results.
- Hartman, J.M., D. Smith, Z. Tech Czarny, and **J. Quispe**. 2017. Jersey City Environmental Resource Inventory.
- Arbab N, **Quispe J**, Hartman J. 2017 Effects of digital elevation model (DEM) variation on water quality model results. Ecological Society of America Annual Conference 2017
- Jordan.L, Drew University, **Quispe, J.** Rutgers University. 2016 Pollution Prevention Programs and Environmental Justice: The Unequal Risks of Workplace and Residential Proximities to Industrial Toxics Emissions and Air Toxics. Innovation of Sustainable Communities Symposium, Stevens Institute of Technology
- **Quispe, J.**, "Watershed Scenarios for a Developing New Jersey: Nutrient Cycling in the Raritan" Invited Speaker at Membership Meeting & Annual Dinner, Lawrence Brook Watershed Partnership, Milltown, NJ, October 25, 2016
- Buono, C.M., M. Marvosa, E. Nagele, **J. Quispe**, L. Brindisi, J. M. Hartman. 2015. Influence of forest structure and soil composition on watershed performance and management. 100th Annual Ecological Society of America Conference.
- **Quispe, J.**, Rutgers University, J. M. Hartman, C. Buono, D. Blystone, L. Upadhyay. 2015. Influence of riparian forest composition and land use on watershed performance and management planning. 100th Annual Ecological Society of America Conference.
- Hartman, J. **Quispe, J.** Environmental Resources Inventory for Borough of Roosevelt, New Jersey (2015)
- **Quispe, J.** Resources Inventory for Cranbury (10 Year Update), New Jersey 2015

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VOLUNTEER & COMMUNITY INVOLVEMENT

- 2018** Shore Bowl- Moderator
Ecology Graduate Student Association- Vice President
Red Shaw Science Fair- Science Educator
Science Policy and Advocacy at Rutgers- Treasurer
Eagleton Institute of Politics Alumni Board
Lower Raritan Watershed Partnership- Board of Directors
Rutgers Graduate Student Association- Vice President of External Affairs
Student Advocates for Graduate Education- Communications Director
- 2017** Ecological Society of America (ESA) Policy Section: Student Representative
Atlantic Estuarine Research Society (AERS) Student Affairs Co-Chair
Rutgers Ecological Graduate Student Association: Seminar Committee Co-chair
- 2016** Star of Hope Family Organization-
United Nations Association- New Jersey Member
- 2015** United Nations Youth Assembly
Newark, New Jersey Rutgers (SPAA) Social Justice Challenge Eliminating Poverty and Income Inequality in Inner-Cities: National Track Finalist
Rutgers Ecology Graduate Student Association
Rutgers Latin American Student Organization
Biomimicry NYC 2015- Member
Ecology and Evolution Diversity Group

POFESSIONAL AFFILIATIONS

- 2018** Ecological Society of America (ESA)
Coastal Estuarine Research Federation (CERF)
Garden Club of America Scholar (GCA)
Atlantic Estuarine Research Society (AERS)
American Association for the Advancement of Science (AAAS)
Society of Wetland Scientists (SWS)
United Nations Association (UNA)
New Leaders Council (NLC)