Our chapter has had a productive and successful year exemplified by our club’s expansion and achievements. We are proud to announce that our chapter’s Spring 2018 president Agata Bugala has won the 2018 NYWEA Student service award. Her contributions along with the devoted service of the previous and current E-board, we are ready to step into 2019 with 30 new members. We attribute this increase in membership to our efforts in increasing The City College of New York’s Environmental Engineering and Environmental Science professors’ involvement in NYWEA. This along with an emphasis on developing our members professional network and portfolio attracted more students from within our school’s environmental majors. Students are particularly attracted to our chapter after witnessing the success of our hosted DEP career fair during which many graduating members were hired into DEP positions on the spot. We hope to continue our chapter’s growth this year through more inter collegiate collaborations and professional events.
In February 2018, forty-four students from our chapter attended the 90th Annual NYWEA conference at the Marriott Marquis in Manhattan, New York. Members networked and attended lectures, seminars and panels about the state-of-the-art of the water quality industry. CCNY graduate students and faculty presented at the conference on various topics including computational fluid dynamics and wastewater disinfection. Students from our chapter joined students from Manhattan College, Buffalo University, and Clarkson University chapters at an inter-chapter meeting organized by the Young Professionals committee. At the meeting, former chapter-president Agata Bugala accepted the NYWEA Association Student Chapter Service Award.

As a celebration for Earth Day 2018, we collaborated with the CCNY-GREEN club to host a lecture series and post-lecture activity for both CCNY students and HSMSE high school students. The lecture series consisted of: “Permaculture and Container Planting,” “Storm Waters and Bacteria Growth,” and “Creating Irrigation Systems.” During the second half of the event, students learned how to install irrigation systems by practicing on CCNY’s “RoofPod” rooftop garden.

Towards the end of the spring semester on March 21st, our chapter arranged for a few representatives from the DEP to visit our campus. Students got to ask professionals about their job requirements and preferences while gaining useful connections. Many graduate and near graduation students were hired into a NYC DEP position on the spot. For those that weren’t looking for a job commented on their appreciation for the introduction into a professional environment.
**RANDALL’S ISLAND BEACH CLEAN-UP**

As an end-of-the-semester treat, we participated in a beach clean-up on Randall’s Island hosted by the Randall’s Island Park Alliance and outfitters REI and United By Blue. Despite the cold weather, all of our members who attended enjoyed the clean-up. Honestly, we wish it had lasted longer!

**ENGINEERING AWARENESS EVENT**

The fifth annual CCNY “Engineering Awareness” event took place in April. The purpose of this event is to gather engineering clubs together so they can present their activities and offer opportunities to CCNY students both in and interested in engineering clubs. The event is a great way to learn about and showcase various student-led activities going on in CCNY’s Grove School of Engineering. We were one of twenty participating engineering clubs, which all worked together to host an exciting and fun event.

**BREWERY TOUR**

On May 11, 2018, a brewmaster at SingleCut Beersmiths brewery in Astoria gave CCNY-NYWEA a private tour of their brewery. Students got to learn about the water treatment and distillation process before getting made into beer. The tour was a great to end off the school year and the fun and relaxed aspect of the trip helped draw a more diverse crowd than usual towards NYWEA membership.
On October 12th, many of our members joined NYU-Tandon members to tour the Jamaica Bay Wastewater Treatment Plant in Jamaica, Brooklyn. After a presentation by Avinash Pawar, we were taken on a full tour of the plant where students were able to observe every aspect of the plant’s operations from where the water enters from the sewers to the final filtration. This plant was a nice contrast from our usual visit to Newtown Creek in which students mainly only view the now iconic digester eggs rather than the entire treatment process.

**UNIVERSITY NIGHT**

On March 29th, we co-hosted a series of professional presentation and speakers with NYU-Tandon and Manhattan College NYWEA and reached out to all other chapters to attend the lectures. Students listened to Mark Campmier discuss some of the Remote Sensing research being done at CCNY, Liliana Calix discuss her research at Manhattan College about the effect of daylighting on bacterial contamination in the saw mill river, and Jeong Eun Ahn from NYU Tandon discuss his research developing a tool to assess estuary ecosystem health. This was a great opportunity for students to learn about the various research pertaining to their desired field going on in their own city.

**GOVERNORS ISLAND COMPOSTING FACILITY TOUR**

Our first trip of the Fall 2018 semester took place on September 23rd at the beautiful Governors Island. Students spent the morning touring the island and learning about compost and ways to implement agriculture in a city. The group learned about the Island’s zero waste initiative and the actions they’ve taken to complete all recycling on the island. It was a nice way to kick off the semester and help members get to know each other while learning about ways to minimize waste and a component of environmental science NYWEA members may not have learned much about.
On October 27th of 2017, Max Lerner, the Sustainability Project Development Coordinator for NYC's Department of Parks and Recreation, gave NYWEA members and other CCNY students a presentation on the opportunities and advantages of green roofs. Afterwards, he led a tour of the (amazingly cool) Five Borough Complex on Randall's Island, which implements and tests dozens of cutting-edge green roof technologies. Mr. Lerner discussed and showed off current experiments such as one studying the growth rate of indigenous and non-indigenous plants in NYC.

**M E T R O Y P G R E E N T E C H N O L O G Y L E C T U R E**

On December 6th, we hosted a green technology event with the help of the NYWEA Metropolitan chapter’s Young Professionals cohort. Arcadis' Margaret Bellon spoke on “Green Infrastructure to Reduce CSO’s”, Brown and Caldwell’s Nicholas Bartek spoke on “Co-Digestion”, and Black and Veatch’s Amiel Middleman spoke on “North River Cogeneration & Electrification Project”. Attendance was high, as many students came to learn about current water quality projects in NYC.

**R E S U M E C R I T I Q U E E V E N T**

On March 6, 2018 we held a résumé critique event with the NYSAWWA New York Metro Events Committee and Kevin Law, a project engineer from AECOM. Students first emailed their résumés to Mr. Law for his review, and then a workshop was held where students were able to receive Mr. Law’s critiques. Many students took this opportunity to adjust their résumés for the DEP job fair which was later hosted. Our chapter was happy to see how helpful members found the workshop to be.
For Spring 2019 we have planned and initiated to organize many events, workshops and lectures to keep our members engaged, interested, and excited. Some of these events include: a trip to the Queens Botanical Garden for a hands-on tour of the garden’s composting program, a beach clean-up, a battery recycling event, and a clothing/textile drive. We plan to collaborate with both social science, engineering and architecture clubs to increase engagement and participation in environmental activities as a community at CCNY. We also hope to do more collaborations with other NYWEA chapters in our city and plan to open our future professional workshops to other campuses and hope that they may do the same for us.
A special Thank You to both our amazing mentors, John Fillos and Krish Ramalingam. We appreciate all that you have done for us.

On November 3rd, Mark Campmier, presented at the NY-WEA University forum about his work. Mark discussed the complex urban built environment of New York City, and how the changing climate presents challenges to structural regulators, and resiliency advocates. Mark went over the technologies and methods which the study utilized, which consisted mainly of an array of remote sensing technologies including multiple Doppler LIDAR, and a microwave radiometer used in conjunction with a network of hundreds of anemometers to build maps, profiles and statistical models to forecast 3-D wind patterns. Students got to learn about the differences between urban and rural areas with respect to their radiative characteristics and the potential triggers of these differences.
MEET OUR EXECUTIVE TEAM

From Left to Right: Anamul Hoque, Jocelyn Covarrubias, Julie Yaish, David Ip

Mentor Chair: Louiza Molohides

Louiza Molohides is a senior undergraduate student pursuing environmental engineering at the City College of New York under the Honors Program. She is also a Public Policy and Affairs minor and a Colin Powell Fellow. Her undergraduate independent research has led her to study environmental policy; her current work with the Colin Powell fellowship has led her to become a community organizer as she works with grant houses in Harlem to confront issues such as environmental racism and affordable green roof housing.

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Treasurer: Jocelyn Covarrubias

Jocelyn Covarrubias is a Junior studying Environmental Engineering at the City College of New York. This is her first year on the NYWEA Eboard taking the role of treasurer. She enjoys exploring the field through trips and workshops both with and outside the club. She has recently taking a liking to green energy and sustainability. She looks forward to expanding her knowledge on the matter, and begin related research.

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Secretary: David Ip

David Ip is a Sophomore majoring in Environmental Engineering at the City College of New York in the Macaulay Honors program. This is David’s first year as the CCNY NYWEA Secretary. Over the summer, he worked at Earth Matter, a non-profit company that seeks to reduce the organic waste in regular waste streams by encouraging and education the public about composting. David plans to focus on waste management and is always willing to talk to others about recycling and composting.

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President: Julie Yaish

Julie Yaish is a Junior studying Environmental Engineering at The City College of New York in the honors undergraduate program. Julie is settling into her first year as the CCNY NYWEA President. She is currently working in an environmental research lab in which she is exploring various methods of water purification and water-testing and its application in the monitoring of waste water treatment within NYC. Julie plans to continue down the path of water quality analysis and is constantly looking for new opportunities to bring her closer to her desired career path.

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Vice President: Anamul Haque

Anamul Haque is the Vice President for NYWEA at CCNY. Anamul is currently finishing up his undergraduate degree of Earth Science and Environmental Engineering at City College of New York. He also interns for the Emerging Technology Team in the Sustainability Project Development Division at NYC Department of Parks & Recreation. During the internship, he aims to increase public perception of green roofs as an integral part of New York City’s development in the 21st century. He would like to use his experience at the Five Borough facility to start a career in sustainable development.

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