



Fall 2018 Edition

Greetings from the New Jersey Sea Grant Consortium!

Following yet another busy and successful summer season, we're ready to finish 2018 off with a bang. Take a look at our "Spotlight & Random Notes" section in this edition of the ***COASTodian*** to learn more about what's happening as we head into the New Year. From fellowship updates to hurricane/storm awareness to photo slideshow "throwbacks," don't miss a beat!

We've also provided information on several exciting opportunities currently available for teachers and students, so don't miss out.



**FALL PHOTO FEATURE
SEA GRANT WEEK
"THRIVING IN UNCERTAIN TIMES"
SEPTEMBER 16-21, 2018
PORTLAND, OR**

During the biennial National Sea Grant meeting, several program affiliates had the amazing opportunity to tour Oregon's Bull Run Watershed. Located in the Mt. Hood National Forest, this watershed supplies high-quality drinking water to almost one million people. With elevations that range between 750-4,700 feet above sea level, rain provides the majority of its water. What a view!

We're always working hard to provide relevant and up-to-date content on NJSGC's official [Facebook](#), [Instagram](#), and [Twitter](#) pages. Be sure to check out what's new and get involved by tagging us on social media! Please visit njseagrant.org for further information and updates.

Support the Consortium this Holiday Season

As the year draws to a close, we want to thank you for your continued interest and support of New Jersey Sea Grant Consortium.

These final few weeks of 2018 will likely be full of family gatherings, hearty dinners, and of course, gift exchanges! And did you know that your online purchases can make a difference? When shopping for eligible products with *AmazonSmile*, 0.5% of the purchase price will be donated directly to New Jersey Sea Grant Consortium when using this [link](#).

Please also consider helping us continue our work by making a year-end, tax-deductible contribution to the Consortium through PayPal on our [website](#). This is the one time of year that we ask for your financial assistance – we hope you will choose to help.

Also learn more about other ways you can support New Jersey Sea Grant Consortium [here](#).

Thank you again, and please accept our warmest wishes for a joyful holiday season. We look forward to continue working with you into the New Year!



From left to right: Rosemary Higgins, Danica Bellini, Diana Burich, Lisa Aromando, Claire Antonucci, Debbie Burd, Jody Sackett, Mindy Voss, Carolyn Cornely, Deborah Quinn, Michael Danko, Peter Rowe, Augustine Anfuso (not pictured: Rory Joyce, Melanie Tarling)

SPOTLIGHT & RANDOM NOTES



Rutgers University graduate student [Jackie Specht](#) was recently awarded NOAA's Coastal Management Fellowship through the New Jersey Sea Grant Consortium. She is currently working with Maryland's Chesapeake and Coastal Service to continue studying the beneficial reuse of dredge material. In the October 2018 edition of [Fellowship News](#), Ms. Specht discusses her invaluable experience with the program thus far:

"I've been very fortunate to have been placed in such a dynamic and collaborative work environment. The nature of the [Department of Natural Resources] office has not only allowed me to advance my project further than I could have anticipated, but has allowed me to branch out and experience other aspects of coastal management that I may not have been able to otherwise."

NOAA's [Ocean Acidification Program](#) is currently soliciting proposals for studies investigating "ocean acidification monitoring strategies offering an observing system design that best characterizes and tracks ocean acidification with US Large Marine Ecosystems."

Letters of intent for this ["Regional Ocean Acidification Observing Optimization Study"](#) grant opportunity are due by January 7th, 2019.



To help kickoff the 2018-2019 school year, New Jersey Sea Grant Consortium hosted several "coastal experience" and marine science class fieldtrips at Sandy Hook. In honor of November's National American Indian Heritage Month, over 60 students had the special opportunity to participate in "Lenape and the Jersey Shore / Native Ways" excursions. Through teamwork and hands-on activities, students gained knowledge of New Jersey's coast and its original people, the Lenape.

Please contact our Education Associate [Melanie Tarling](#) for more information and to book future excursions.

SPOTLIGHT & RANDOM NOTES



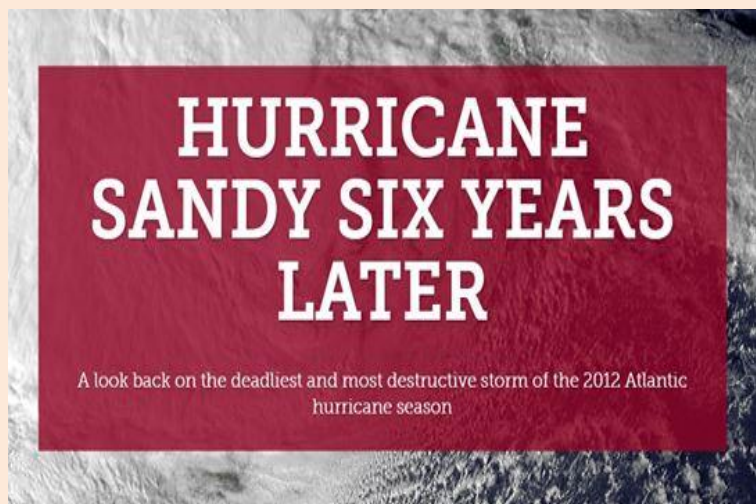
The Jersey Shore Junior Science Symposium (JSJSS) will be held March 21-22, 2019 at Ocean County College in Toms River, NJ. Teachers and students are highly encouraged to attend the competition as spectators.

The JSJSS recognizes outstanding achievement and experimentation in STEM at the high school level, where New Jersey Sea Grant Consortium bestows awards for top environmental science presentations.

Please visit the official [JSJSS website](#) for important dates and more information on registration.

New Jersey Sea Grant Consortium would like to welcome our newest member representatives, Dr. Ling Ren from George Mason University and Dr. Muhammad Hajj from Stevens Institute of Technology.

Member Institutions are colleges, universities, and other groups with expertise and interest in New Jersey's marine, coastal, and/or estuarine science affairs. Please visit our [website](#) for more information on membership benefits and how to apply.



October 29th, 2018 marked six years since Hurricane Sandy made landfall in the Garden State. Take a look back with New Jersey Sea Grant Consortium and learn what we're doing to help promote hurricane safety and storm preparedness. This [interactive webpage](#) provides several links to useful resources, including storm surge lesson plans, details about NOAA's Coastal Storm Awareness Program, and information on Monmouth County's High Water Mark Initiative.

SPOTLIGHT & RANDOM NOTES



New Jersey Sea Grant Consortium has partnered with the Central Jersey Club of the National Association of Negro Business and Professional Women's Club ([CJC-NANBPWC](#)) to promote and diversify STEM activities throughout the local youth community. In early November, members of our education staff organized an afterschool program at the Sisters Academy of New Jersey in Asbury Park focused on the science of sand. Along with hosting several "coastal experience" field trips at Sandy Hook, the Consortium will continue to run and support such programs in association with the CJC-NANBPWC.

Throughout October, the National Sea Grant College Program spearheaded a [#NationalSeafoodMonth](#) social media campaign. NOAA also awarded 22 research grants totaling \$11 million for projects around the country designed to expand sustainable ocean, coastal, and Great Lakes aquaculture. A project entitled "Enhancing bivalve aquaculture through species improvement and diversification" will be funded and supported through New Jersey Sea Grant Consortium. Please click [here](#) to learn more.



New Jersey Sea Grant Consortium held six multifaceted Marine Science Summer Day Camp sessions in 2018. Take a look back at a very successful season with this debut photo slideshow now available on the [education website](#).

Camp sessions are geared towards specific grade levels and cover a variety of STEM topics and activities, including: oceanography, microscopic investigations, seining, and building underwater ROVs.

Stay tuned for more information on open enrollment in 2019!

SPOTLIGHT & RANDOM NOTES



The New Jersey Sea Grant Consortium is currently seeking “fan” photos to contribute to our official 2019 desktop calendar. Do you have any special images that reflect Sea Grant’s brand and mission... or perhaps a remarkable snapshot of the Jersey Shore? Please send any submissions (preferably high-resolution) to our Communications Specialist [Danica Bellini](#)!

This stunning photograph was submitted via Instagram by Ankit Ahuja in Oceanport, NJ.

The 42nd annual [New Jersey Science Convention](#) was held in Princeton in late October. New Jersey Sea Grant Consortium’s Education Specialist Mindy Voss led an Ocean Acidification workshop, where teachers took part in our popular shell-building [Lego game](#).

The two-day Convention offered “an exceptional opportunity for K-12 science teachers to experience interactive and hands on professional development focusing on implementation of Next Generation Science Standards (NGSS), effective classroom instruction, integration of technology, and the latest information on classroom resources.”



New Jersey Sea Grant Consortium recently joined the online platform [ISeeChange](#) – a global social media community that posts about noticeable changes in the environment including flooding, coastal life, and extreme weather. Synced with weather and climate data, each post is broadcasted and utilized to investigate “bigger picture” trends. Shown here is flooding at Gunnison Beach in Sandy Hook during Hurricane Florence (September 2018).

Stay tuned for more details on an exciting NJDEP’s Coastal Keepers Program in Ocean City, NJ.



ADDITIONAL LINKS & RESOURCES

[New Jersey Coastal Coalition “Tidal Flooding Talk” Podcast \(Atlantic City, NJ\)](#)

This episode features a discussion with New Jersey Sea Grant Consortium’s Coastal Community Resilience Specialist and the Associate Director of Monmouth University’s Urban Coast Institute Dr. Thomas Herrington about the upcoming Nor’easter season.

[NOAA Planet Stewards Education Project \(PSEP\) Stewardship Community](#)

Join a network for supporting the development and implantation of a hands-on, action-based project that conserves, restores, and/or protects human communities and/or natural resources from environmental challenges. Application open until December 2nd, 2018.

[NOAA Fisheries “Science Highlights” e-Newsletter](#)

The Northeast Fisheries Science Center now offers a diverse subscription-based email list for monthly science news and updates.

[NOAA “Teacher at Sea” Program](#)

This once-in-a-lifetime opportunity for teachers provides hands-on, real-world research experience working at sea with world-renowned NOAA scientists, thereby giving them unique insight into oceanic and atmospheric research crucial to the nation. Application open through November 30th, 2018.

[Ocean Frontiers, a New Era in Ocean Stewardship](#)

Offers free resources – including information on ocean planning, ecosystem-based management, ocean data portals, conservation, and offshore wind – and new visuals to inspire college students to become ocean leaders.

[John A. Knauss Marine Policy Fellowship Program](#)

Keep up-to-date as the representative of New Jersey Sea Grant Consortium, Omanjana Goswami (Rutgers University – Newark) begins her Washington, D.C. placement in February 2019.

[Annual NOAA Marine Debris Program Art Contest](#)

Students in grades K-8 are encouraged to think about the impacts to our ocean and Great Lakes and how they can make a difference through art. Application open until November 30th, 2018.

[Graduate Recruitment Event in Ecology, Evolution, and Environmental Science \(Athens, GA\)](#)

The purpose of this event (supported by the [President’s New Approaches Initiative](#)) is to promote new ways to enhance diversity throughout the University of Georgia (UGA) community. Participants will have the opportunity to 1) interact with potential graduate advisors and UGA graduate students before submitting an application to graduate school and 2) learn more about applying for graduate school and fellowship programs. The event runs from February 28-March, 2019 and the application is open through December 1st, 2018.

[American Shore & Beach Preservation Association \(ASBPA news\)](#)

Former Mid-Atlantic Coastal Storms Graduate Research Fellow Laura Lemke (Stevens Institute of Technology) won a student poster competition at the ASBPA National Coastal Conference held in Galveston, TX (October 31-November 2, 2018)