

**Adam A. Aguiar, PhD**  
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**EDUCATION**

<b>University of Delaware, Newark, DE</b> <b>Ph.D. in Molecular Biology and Genetics</b> Dissertation: "The Involvement of Insulin-Like Binding Protein 2 in Prostate Cancer Progression and Metastasis" Advisor: Dr. Robert Sikes	2006-2011
<b>University of Delaware, Newark, DE</b> <b>Higher Education Teaching Certificate</b>	2012
<b>Fairleigh Dickinson University, Madison, NJ</b> <b>B.S. in Biology</b>	2002-2006

**TEACHING**

**EXPERIENCE**

<b>Associate Professor</b>	<b>Stockton University, Galloway, NJ</b> Cells and Molecules Lecture 1200 (27), Cells and Molecules Lab 1205 (3), Anatomy and Physiology for Health Sciences I 1260 (2) Anatomy and Physiology for Health Sciences II 2260 (2) Biodiversity and Evolution 1400 (1) Genetics Lecture 2110 (1), Genetics Lab 2115 (36), Cell Biology 3190 (3), Ecology and Saltwater Fishing GNM-2249 (10)	2011-present
<b>Adjunct Professor</b>	<b>Ocean County College, Toms River, NJ</b> Anatomy and Physiology I BIOL130-MT1 (4) Anatomy and Physiology I Lab BIOL130L-MT1 (4) Anatomy and Physiology II BIOL131-MT1 (2) Anatomy and Physiology II Lab BIOL131L-MT1 (3)	2019-2021 2019-2021 2019, 2021 2019, 2021
<b>Assistant Professor</b>	<b>Brookdale College, Lincroft, NJ</b> General Biology 101 (3)	2012, 2013
<b>High School Liaison For Dual Credit Program</b>	<b>Stockton University, Galloway, NJ</b> Liaison for Jon Sarno at Mainland Regional, Ruth Tummey at Southern Regional, Matthew Oster at Ocean County, Corinne Alberghini and Joe O'Neil at Egg Harbor Township High Schools	2013-2015

<b>Lecturer</b>	<b>University of Delaware, Newark, DE</b> Molecular Biology of The Cell (BISC402), Advanced Cell Biology (BISC612), Cancer Biology (BISC625),	2008-2011
<b>Instructor</b>	<b>St. Georges Vocational High School, New Castle, DE</b> GK-12 Program Sophomore Biology Conducted labs/lectures. Developed problem-based learning strategies and formative assessment probes for which students showed learning progress	2008-2009
<b>Teaching and Laboratory Assistant</b>	<b>University of Delaware, Newark, DE</b> Introduction to Microbiology Laboratory (BISC30002)	2007
	<b>University of Delaware, Newark, DE</b> Introduction to Biology Laboratory (BISC207)	2006

## HONORS AND AWARDS

<b>Type of Award</b>	<b>Institution</b>	<b>Year</b>
Educator Spotlight Interview	Course Hero	2023
Outstanding Teaching Award	Ocean County College	2020
<a href="#">Article/Webpage</a> for Most Effective Teaching Strategies	Course Hero	2020
G Course Construction, Application Approval, and Execution	Stockton University	2013-2014
Higher Education Teaching Certification	University of Delaware	2011
Sigma Xi Scientific Society	International, multidisciplinary research society	2011

## PROFESSIONAL DEVELOPMENT

AAC&U's 2023 Conference on Diversity, Equity, and Student Success (3/9/23-3/11/23)		2023
Stockton University's Center for Teaching and Learning Design's <i>Week of Teaching</i> (2/20/23-2/24/23; 4/22/24-4/26/24)		2023-2024
Rutgers Offshore Wind Energy Symposium (1/12)		2023
NOAA'omics Webinar <i>"Using Environmental DNA to Examine Artificial Reef Fish Assemblages: If You Build It Will They Come?"</i> (7/8)		2022
Stockton University New Faculty Workshop		2021

American Littoral Society Summer Flounder Tagging Training	
- With 3 Stockton research undergraduates and 1 GNM Course student (9/19)	2021
- With 5 Stockton research undergraduates (9/3)	2022
Stockton Federation of Teachers (SFT) Summer Workshops	
- <i>Pedagogy-based Scholarship (8/24)</i>	2021
- <i>Universal Design &amp; Accessibility in Your University Role (8/24)</i>	2021
Center for Teaching and Learning Design, Stockton University	
- <i>New Faculty Workshop Series (15 week course)</i>	2021
- <i>Assessment 101: A Guide to Assessment at Stockton University</i> <i>5 week, hybrid modality workshop series (8/31, 9/7, 9/14, 9/21, 9/28)</i>	2021
- <i>Practical Strategies for Creating Accessible Course Materials</i>	2020
- <i>Organizing Course Content for Remote or Online Delivery</i>	2020
- <i>Zoom Basics</i>	2020
- <i>Zoom: Beyond the Basics</i>	2020
- <i>Zoom: Active Learning</i>	2020
- <i>Best Practices: Zoom Lectures</i>	2020
- <i>Digital Learning Summer</i>	2020
- <i>Recording Attendance and Grading Students in Blackboard</i>	2020
Course Hero Developmental Meetings and Classes	
- <i>What Happens In September [2020]?</i>	2020
Involved university leaders, educators, infectious disease researchers, social science scholars, and community organizers from across the country. Planned post-COVID strategies for:	
✓ in-class instruction, remote learning, and some hybrid,	
✓ precautions and safety measures necessary upon returning to campus,	
✓ concessions and risks involved.	
- <i>Faculty Club Virtual Forum I and II: Online Assessments</i>	2020
Spotlighted and discussed the most useful and actionable approaches to online assessment with more than 120 educators, from across the US	
- <i>Virtual Education Summit '20</i>	2020
Explored actionable ways to move forward in post-COVID semesters	
Pearson Digital Learning Webinar Series	
- <i>Online Teaching: Beyond "Making it Work"</i>	2020
- <i>Transitioning to an Online Tutoring Environment</i>	2020
- <i>Homegrown Online Tutoring: Best Practices for Developing and Managing Your Own Program</i>	2020
Online Master Course Developer Training (MCD) (All Spring Semester)	2019
(Training to design online master courses for the Ocean County College e-Learning Department. Gained knowledge and skills in course planning, design and development, including creating content, assessments, and other interactive activities that create a meaningful online learning experience.)	
Department of Environmental Protection and NJ Division of Fish and Wildlife	
- <i>Hooked on Fishing Program: Youth Instructor Training (4/27-29, 8/5)</i>	2018

Stockton Federation of Teachers Workshops (8/25)		
- <i>Teaching for Teachers</i>		2016
- <i>Precepting Preceptors</i>		2016
Dual Credit Program: Stockton University, Galloway, NJ		
- <i>Co-conducted Marine Life and Seining Seminar (6/20/13) (7/3/14)</i>		2013, 2014
Attended the New Faculty Institute Pedagogy Lectures (9/3, 9/10)		2014
Attended Pedagogy Webinar by Cengage Learning (8/28)		2014
Higher Education Teaching Certification, University of Delaware		2012

### SCHOLARSHIP

#### RESEARCH EXPERIENCE

<b>Principle Investigator</b>	<b>Stockton University, Galloway, NJ</b> Striped Bass Tagging for Stockton in Collaboration with the American Littoral Society	2021-
<b>Co-PI and Outreach Leader</b>	<b>Stockton University, Galloway, NJ</b> Combining eDNA with acoustic and video data to assess the ecology of submerged coastal structures	2021-
<b>Research Assistant</b>	<b>University of Delaware, Newark, DE</b> Dr. Robert Sikes Dissertation on “The Involvement of Insulin-Like Binding Protein 2 in Prostate Cancer Progression and Metastasis”	2006-2011
<b>Internship Research</b>	<b>Hoffman LaRoche, Nutley, NJ</b> Scientific Summer Intern in Pharma Development Quality Management. Developed NMR-spectrum library for chemical inventory	2005, 2006
	<b>Jersey Coast Angler Association, Toms River, NJ</b> <b>In Conjunction with Rutgers University</b> Data Analyst for a socioeconomic study of two summer flounder tournaments in New Jersey	2004-2005
<b>Undergraduate Research</b>	<b>Fairleigh Dickinson University, Madison, NJ</b> Dr. Elizabeth Hixenbaugh, Biology Analysis of antibiotic resistant bacteria from hospital outflows	2004-2006

#### GRANTS AWARDED

##### [External]

NJ Sea Grant Consortium Grant Funding Full Approval	NJ Sea Grant Consortium	2022
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##### [Internal]

Awarded NAMS PD and	Stockton University	2021 (Fall)
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## Covid MOA Grant Funding

Awarded Full Provost Faculty Opportunity Fund (PFOF)	Stockton University	2021 (Fall)
Awarded Junior Faculty Support Fund	Stockton University	2021 (Fall)
Provost Diversity Grant Funding for New Angles for Success Program	Stockton University	2018

## PUBLICATIONS

**Adam A. Aguiar**, [\*November Surf: Will Lightning Strike Twice?\*](#). The Fisherman Magazine – NJ Edition, p20-22, November, 2023

**Adam A. Aguiar**, [\*Too Warm, Or Too Cold? Species' Preferred Temperature Ranges\*](#). The Fisherman Magazine – NJ Edition, p22G-26G, October, 2023

**Adam A. Aguiar**, [\*Inspiring a Passion for Fishing\*](#). News Briefs – The Fisherman Magazine – Digital Edition, July 4<sup>th</sup>, 2022

**Adam A. Aguiar**, [\*Love is in the Air and Under the Water\*](#). The Fisherman Magazine – NJ Edition, p40G-43G, April, 2022

**Adam A. Aguiar**, [\*LBI Beaches are His University Classroom\*](#), The Sandpaper Magazine, p6&8, February 23<sup>rd</sup>, 2022 (one of 2 twin articles; the other being [\*Hooked on Fishing; Studying Striped Bass on the Island\*](#) written by undergraduate research student, Dylan Garrabrant)

**Adam A. Aguiar**, [\*Barnegat Inlet Jetty Fishing: Risks, Rewards\*](#), The Sandpaper Magazine, p6&8, December 1<sup>st</sup>, 2021

**Adam A. Aguiar**, [\*Strategies to Elicit Engagement in Online Labs\*](#), Faculty Focus: Higher Ed Teaching Strategies From Magna Publications - Online Student Engagement, November 17, 2021

**Adam A. Aguiar**, [\*New Angles for Success: Mentoring Underrepresented Youth\*](#), Celebrate Diversity Digest, Stockton University, October, 2021

**Adam A. Aguiar**, [\*Beach Replenishment Discussion Not Over\*](#). Press of Atlantic City, pA8, October 31<sup>st</sup>, 2021

**Adam A. Aguiar**, [\*Beach Replenishment Is Costly in a Couple of Ways\*](#). The Sandpaper Magazine, p6&10, October 6<sup>th</sup>, 2021

**Adam A. Aguiar**, [\*Long Live Rock: Fishing Groins and Jetties\*](#). The Fisherman Magazine – NJ Edition, p34-37, October, 2021

**Adam Aguiar**, [\*Challenges of Remote Learning Can Be Beneficial\*](#), The Essential Elements: School of Natural Sciences & Mathematics, Stockton University, September, 2021

**Adam A. Aguiar**, [\*Beach Building: To Replenish, or Not?\*](#), The Fisherman Magazine – NJ Edition, p32-35, September, 2021

**Adam A. Aguiar**, [\*Bass Biology: Making Sense of Striper Sense\*](#). The Fisherman Magazine – NJ Edition, p26G-30G, May, 2021

Brian Fiske and **Adam A. Aguiar**, [\*Teach Scientific Methods Through a Fishing Field Trip\*](#), Faculty Club – Best Lessons, Course Hero, February 23, 2020

**Adam A. Aguiar**, [\*Eeling Stripers: July's Jetty Jocks!\*](#), The Fisherman Magazine – NJ Edition, July, p14-18, 2020

Joseph K. Mitchell (**Former Student**) and **Adam A. Aguiar**, [\*Improved Snag and Drop: Adapt for Success and Conservation\*](#). The Fisherman Magazine – NJ Edition, p24-28, March, 2019

**Adam A. Aguiar**, [\*School Days: New Angles for Success\*](#). The Fisherman Magazine – NJ Edition, p16-18, Nov, 2018

**Adam A. Aguiar**, *Plugging Fall Stripers*. The Fisherman Magazine – NJ Edition, p12-15, Nov, 2015

**Adam A. Aguiar**, *Surf Fishing: Peanut Bunker Blitzes and Sand Eel Raids*. The Fisherman Magazine – NJ Edition, p14-15, Oct. 10, 2013.

#### PEER-REVIEWED PUBLICATIONS

Kathleen Klein, Jennifer Calabrese, **Adam Aguiar**, Sunny Mathew, Kimoni Ajani, Rania Almajid, and Jennifer Aarons., *Evaluating Active Lecture and Traditional Lecture in Higher Education*. Journal on Empowering Teaching Excellence, Manuscript 1139, November, 2023.

**Adam A. Aguiar**. “Chapter 9: Genomic Replication and Gene Expression” *The Exciting World of Microbiology*, edited by Carlton R. Cooper, Benjamin G. Rohe, and Bradley C. J. Leifheit, Great River Learning Publishing, in press Fall 2022

Bonnan MF, Wilhite DR, Masters SL, Yates AM, Gardner CK, **Aguiar, A.A.** (2013) *What Lies Beneath: Sub-Articular Long Bone Shape Scaling in Eutherian Mammals and Saurischian Dinosaurs Suggests Different Locomotor Adaptations for Gigantism*. PLoS ONE 8(10): e75216. doi:10.1371/journal.pone.0075216

Miles F.L., Tung N.S., **Aguiar A.A.**, Kurtoglu S, Sikes R.A., *Increased TGF- $\beta$ 1-mediated suppression of growth and motility in castrate-resistant prostate cancer cells is consistent with Smad2/3 signaling*. Prostate, 2012 72(12):1339-50

**Adam A. Aguiar**, David J. DeGraff, Qian Chen, Lisa K. Adams, B. Jill Williams, and Robert A. Sikes, *Androgen Mediated Translational and Postranslational Regulation of IGFBP-2 in Androgen-Sensitive LNCaP Human Prostate Cancer Cells*. American Journal of Translational Research, 2010. 2(2):200-208

**Adam A. Aguiar**, David J. DeGraff, and Robert A. Sikes, *Disease Evidence for IGFBP-2 as a key player in prostate cancer progression and development of osteosclerotic lesions*. American Journal of Translational Research, 2009. 1: 115-130

David J. DeGraff, Manisha Malik, Kenichi Miyako, Lidia Rejto, Pinchas Cohen, Diccon Bancroft, **Adam A. Aguiar**, Robert A. Sikes, *Hormonal regulation of IGFBP-2 proteolysis is attenuated with progression to androgen insensitivity in the LNCaP progression model*. Journal of Cellular Physiology, 2007 Oct:213(1):261-8

#### POSTER PRESENTATIONS (\* = Student Presenter; ^ = Presented in absence)

\*Jared Handelman, Grant Johnson, Dana Christensen, and **Adam Aguiar**, *Stock Origins, Micro-Habitat Preference, and Population Health of Morone saxatilis*, Stockton University's Natural Sciences and Mathematics Undergraduate Research Symposium, Galloway, NJ, April 23<sup>rd</sup>, 2024.

Jared Handelman, Grant Johnson, Dana Christensen, and **Adam Aguiar**, *Stock Origins, Micro-Habitat Preference, and Population Health of Morone saxatilis*, Cape May Point Science Center Marine Science Symposium, Cape May Point, NJ, May 31<sup>st</sup>, 2024.

**Adam Aguiar** and Jennifer Calabrese, *Assessing Active vs Traditional Lecturing in an Introductory-Level College Biology Course*, Stockton University's CTLD Celebration of Scholarship Symposium, Galloway, NJ, April 25<sup>th</sup>, 2024

Jared Handelman, Dana Christensen, and **Adam Aguiar**, *Indices of Morone saxatilis Catch Based on Semi-Standardized Local Research Efforts: From the Lens of Environmental Sustainability Education*, Stockton University's Celebration of Scholarship, Galloway, NJ, April 25<sup>th</sup>, 2024

Jared Handelman, **Adam Aguiar**, and Dana Christensen, *Stock Origins, Micro-Habitat Preference, and Population Health of Morone saxatilis*, Mid-Atlantic Chapter of American Fisheries Society, Chase Center on the Riverfront, 815 Justison St, Wilmington, DE, November 16-17<sup>th</sup>, 2023

**Adam Aguiar** and Jennifer Calabrese, *Active vs Traditional Lecturing in an Introductory-Level Biology Course*, Stockton University's Celebration of Scholarship, Galloway, NJ, April 24<sup>th</sup>, 2023

**Adam Aguiar**, *Active vs Traditional Lecturing*, Week of Teaching for Center for Teaching and Learning Design, Stockton University, Galloway, NJ, February 20<sup>th</sup>, 2023

\*Jared Handelman, \*Scott Ulrick, \*Grant Johnson, Dana Christensen, and **Adam Aguiar**, *Stock Origins, Micro-Habitat Preference, and Population Health of Morone saxatilis*, Stockton University, NAMS Undergraduate Research Symposium, Galloway, NJ, 2023

\*Jared Handelman, Scott Ulrick, Grant Johnson, and **Adam Aguiar**, *New Angles for Success: Conveying Marine Environmental Resource Appreciation and Angling Skills to the Underrepresented Youth*, Stockton University's Celebration of Service and Civic Engagement Symposium, Galloway, NJ, 2022

Jared Handelman and **Adam Aguiar**, *Stock Origins, Micro-Habitat Preference, and Population Health of Morone saxatilis*, Mid-Atlantic Chapter of American Fisheries Society, Asbury Park, NJ, November 15-16<sup>th</sup>, 2022

^Peter Straub, Steven Evert, Tara Harmer Luke, Mark Sullivan, and **Adam Aguiar**, *Colonization of Artificial Reefs as Proxy for Turbine Monopiles*, Jersey Renew's Times for Turbines 5 Conference, Atlantic City, NJ, October 28<sup>th</sup>, 2022

\*Jared Handelman and **Adam Aguiar**, *Stock Origins, Micro-Habitat Preference, and Population Health of Morone saxatilis*, Stockton University, NAMS Undergraduate Research Symposium, Galloway, NJ, 2022

\*Jared Handelman and **Adam Aguiar**, *New Angles for Success: Conveying Marine Environmental Resource Appreciation and Angling Skills to the Underrepresented Atlantic City Youth*, Stockton University's Celebration of Service and Civic Engagement Symposium, Galloway, NJ, 2021

**Adam Aguiar**, Dave DeGraff, Christine Maguire, and Robert A. Sikes, *IGFBP-2 Stimulates the Metastatic Phenotype of Prostate Cancer Cells in vitro*. INBRE EAB, Newark, DE, 2007

**GUEST LECTURES** (\* = Student Presenter; ^ = Presented in absence)

^Peer-accepted oral presentation on disciplinary research:

Jared Handelman, Dana Christensen, and **Adam Aguiar**, *Indices of Morone Saxatilis Catch Based on Semi-Standardized Local Research Efforts: From the Lens of Environmental Sustainability Education*, Stockton University's Celebration of Scholarship, Galloway, NJ, April 25<sup>th</sup>, 2024

Peer-accepted oral presentation on pedagogical research:

Klein, Kathleen, **Adam Aguiar**, Rania Almajid, Jennifer Calabrese, and Sunny Mathew, *Exploring the Benefits of Traditional and Active Lecture Methods for Stockton Students*, Stockton University's Celebration of Scholarship, Galloway, NJ, April 25<sup>th</sup>, 2024

\*Jared Handelman, Dana Christensen, and **Adam Aguiar**, *Stock Origins, Micro-Habitat Preference, and Population Health of Morone saxatilis*, Stockton University, MARS Science Symposium, Galloway, NJ, 2024

Peer-accepted oral presentation on pedagogical research:

Kathy Klein, Jennifer Aarons, **Adam Aguiar**, Kimoni Yaw Ajani, Rania Almajid, Jennifer Calabrese, and Sunny Mathew, *Comparison of Active and Traditional Lectures*, Stockton University's Celebration of Scholarship, Galloway, NJ, April 24<sup>th</sup>, 2023

\*Jared Handelman, Dana Christensen, and **Adam Aguiar**, *Stock Origins, Micro-Habitat Preference, and Population Health of Morone saxatilis*, Stockton University, MARS Science Symposium, Galloway, NJ, 2023

Invited Presentation for PHYS-2600 Physics Colloquium (80900) at Stockton University

Presented on *Striped Bass Tagging for Stockton and Stockton University's Reef/Wreck Assessment project*. (11/28/22)

Radio Interview on *New Angles for Success Program and Striped Bass Tagging for Stockton*. Shep on Fishing, Michael Shepherd, 1400 AM WOND, (10/29/22)

Radio Interview on *New Angles for Success Program and Striped Bass Tagging for Stockton*. Shep on Fishing, Michael Shepherd, 1400 AM WOND, (6/25/22)

Half-day multi-collaborative seminar series on *Beach-reading, Casting, Fishing, Ecological Succession, and Tagging Practices* for Cedar Creek High School (5-17-22).

Sponsored by New Angles for Success program, Striped Bass Tagging for Stockton project, Hooked on Fishing program, New Jersey Sea Grant Consortium, American Littoral Society, and New Jersey Outdoor Alliance (NJOA).

Four hour interactive seminar series for HOFNOD's Sisters of the Field on *Stockton University's SEA Grant Reef assessment project, Striped Bass Tagging for Stockton, the New Angles for Success program, marine conservation, angling basics, local marine dangers, and ecological interactions*. Island Beach State Park, NJ (5/15/22)

Radio Interview on *Stockton Research Programs: Striped Bass Tagging for Stockton and Sea Grant-Funded Ecological Assessment of Jersey Shore Wrecks/Reefs*. Shep on Fishing, Michael Shepherd, 1400 AM WOND, (4/9/22)

Co-conducted guest lecture with research students on *Striped Bass Anatomy, Physiology, and Behavior*, Striped Bass Tagging for Stockton (SBTS) and HOFNOD programs, Gateway Regional High School, Woodbury Heights, NJ (2/2/22)

Co-conducted guest lecture with SBTS research student on *Striped Bass Anatomy, Physiology, and Behavior*,



Striped Bass Tagging for Stockton and HOFNOD programs, Cedar Creek High School, Egg Harbor City, NJ (12/16/21)

Guest lecture on *Using My Passion to Uplift Myself and Others: The Essentiality of Perseverance and a Scientific Mindset for Success*, Troop 77 Court of Honor, Boy Scouts of America, Galloway, NJ (12/13/21)

Seminar on *Striped Bass Anatomy, Physiology, and Behavior*, HOFNOD Program, Ocean City Intermediate School, Ocean City, NJ (12/1/21)

Seminar on *Striped Bass Anatomy, Physiology, and Behavior*, HOFNOD Program, Brick Memorial High School, Brick, NJ (11/19/18; 11/11/19; 11/12/21)

Seminar on *Local Marine Dangers: From a Surf Anglers Perspective*, Youth Fishing Clinic at Rutgers Cooperative Extension of Ocean County and International Gamefish Association (IGFA), Toms River, NJ (8/7/21)

Co-hosted International Webinar for Course Hero, *Teaching in Transition: Reflect. Recharge. Reset.* (12/3/20)

Host and Coordinator for *OCC Goes Live: Methods for Effective Online Class Delivery* (x2)  
Lectures on *Approaches for Effective Online Course Delivery* (x2)  
Ocean County College Adjunct Workshops (8/31/20)

Lecture on *Paths to Future Success*, Science Enrichment Academy at Stockton, Brick Memorial High School (11/18/19)

Lecture on *Striped Bass Anatomy, Physiology, and Behavior*, HOFNOD Program, Gateway Regional High School, Woodbury Heights, NJ (3/8/19; 11/13/19)

Lectures on 1) *Striped Bass Anatomy, Physiology, and Behavior* (4/29/18, 8/3/18);  
2) *Angling Gear, Safety, and Technique* (8/3/18)  
Training Counselors for Hooked on Fishing, Not on Drugs Program,  
Department of Environmental Protection and NJ Division of Fish and Wildlife,  
Atlantic County Sheriff's Department, and  
Stockton University's New Angles for Success Program

Lectured on *Local Marine Dangers*, Long Beach Island Foundation of the Arts and Sciences (6/29/16, 8/24/16)

Radio Interview on *Striped Bass Fishing and My Ecology and Saltwater Fishing Course at Stockton University*.  
Shep on Fishing, Michael Shepherd, 1400 AM WOND, (12/27/14)

Lecture on *Eukaryotic RNA Processing and Modifications*. Molecular Biology of The Cell, University of Delaware, 2011

Lecture on *Hormone Signaling*. Advanced Cell Biology, University of Delaware, 2011

Lecture on *Prostate Cancer Progression and Recurrence*. Prostate Cancer Survivors meeting, American Cancer Society, 2010

Lecture on *Androgen Receptor Blockade Treatment in the Treatment of Prostate Cancer*. Tumor Board, Graham Cancer Center, Christiana Hospital, 2010

Lecture on *Hormonal Regulation of IGFBP-2 During Prostate Cancer Progression*. Cancer Biology, University of Delaware, 2009

Presentations on *Insulin-Like Growth Factor Binding Protein 2 Promotes The Prostate Cancer Metastatic Phenotype*. Cancer Working Group, Biological Sciences, University of Delaware, 2008, 2009

## RESEARCH UNDERGRADUATES

Dylan Garrabrant (Z00337810) F22 – Published article in the Sandpaper Magazine:

[\*Hooked on Fishing: Studying Striped Bass on the Island\*](#)

Grant Johnson (Z00384485) F21 – S24

S23 – Presented poster, *Stock Origins, Micro-Habitat Preference, and Population Health of Morone saxatilis*, at the NAMS undergraduate research symposium

S24 – Presented poster, *Stock Origins, Micro-Habitat Preference, and Population Health of Morone saxatilis*, at the NAMS undergraduate research symposium

Mathew Pagano (Z00341341) S22

Jared Handelman (Z00381623) S22-S24

S22 – Presented poster, *Stock Origins, Micro-Habitat Preference, and Population Health of Morone saxatilis*, at the NAMS undergraduate research symposium

F22 – Presented poster, *Stock Origins, Micro-Habitat Preference, and Population Health of Morone saxatilis*, at Mid-Atlantic Chapter of American Fisheries Society, Asbury Park, NJ

S23 – Oral Presentation, *Stock Origins, Micro-Habitat Preference, and Population Health of Morone saxatilis* at the 2023 MARS Science Symposium

S23 – Presented poster, *Stock Origins, Micro-Habitat Preference, and Population Health of Morone saxatilis*, at the NAMS undergraduate research symposium

F23 – Presented poster, *Stock Origins, Micro-Habitat Preference, and Population Health of Morone saxatilis*, at Mid-Atlantic Chapter of American Fisheries Society, Chase Center on the Riverfront, 815 Justison St, Wilmington, DE

S24 – Presented poster, *Stock Origins, Micro-Habitat Preference, and Population Health of Morone saxatilis*, at the NAMS undergraduate research symposium

S24 – Oral Presentation, *Stock Origins, Micro-Habitat Preference, and Population Health of Morone saxatilis* at the 2024 MARS Science Symposium

S24 – Presented poster, *Indices of Morone saxatilis Catch Based on Semi-Standardized Local Research Efforts: From the Lens of Environmental Sustainability Education* at Stockton University's 2024 CTLD Celebration of Scholarship Symposium

S24 – Presented poster, *Stock Origins, Micro-Habitat Preference, and Population Health of Morone saxatilis* at the 2024 Cape May Point Science Center Marine Science Symposium

S24 – Oral Presentation, *Indices of Morone Saxatilis Catch Based on Semi-Standardized Local Research Efforts: From the Lens of Environmental Sustainability Education* at Stockton University's 2024 CTLD Celebration of Scholarship Symposium

Scott Ulrick (Z00336743) F22-S23

S23 – Presented poster, *Stock Origins, Micro-Habitat Preference, and Population Health of Morone saxatilis*, at the NAMS undergraduate research symposium

Derek Kettig (Z0033910) S23

Tristan Metz (Z00338112) S23 – F23

Vincent Parenti (Z00384298) S23

## HONORS AND AWARDS

Type of Award	Institution	Year
IACUC (2021-007) Approval for Fish Tissue Sampling Research	Stockton University	2021 (Fall)
IACUC (2021-006) Approval for Marine Sampling Research	Stockton University	2021 (Fall)
IACUC (2021-005) Approval for Conservational Practices Research	Stockton University	2021 (Fall)
IRB (2021.122) Approval for Pedagogical Research in GNM-2249 Course	Stockton University	2021 (Fall)
IRB (2021.098) Approval for Pedagogical Research in Cells and Molecules Lab	Stockton University	2021 (Fall)
IRB (2021.097) Approval for Pedagogical Research in Cells and Molecules Lecture	Stockton University	2021 (Fall)
President's Saatkamp Letter of Appreciation for Scholarship Letters	Stockton University	2013
University Graduate Scholars Award	Office of Graduate studies University of Delaware	2010-2011
University Graduate Competitive Fellows Award	Office of Graduate studies University of Delaware	2009-2010
GK-12 Fellowship	St. Georges High School/ University of Delaware	2008-2009
University Graduate Scholars Award	Office of Graduate studies University of Delaware	2008-2009

## SERVICE

### SERVICE-LEARNING UNDERGRADUATES

Jared Handelman (Z00381623)

Poster Presenter of “*New Angles for Success: Conveying Marine Environmental Resource Appreciation and Angling Skills to the Underrepresented Atlantic City Youth*” at Stockton University’s Celebration of Service and Civic Engagement symposium (Fall 2021)

Jared Handelman (Z00381623), Grant Johnson (Z00384485), Scott Ulrick (Z00336743)

Poster Presenter of “*New Angles for Success: Conveying Marine Environmental Resource Appreciation and Angling Skills to the Underrepresented Youth*” at Stockton University’s Celebration of Service and Civic Engagement symposium (Fall 2022)

### COLLEGE SERVICE

372 Total Preceptees (Incorporating and adjusting for returning-student preceptees) 2016-2024

Genetics Working Group

- Contribute to discussions on changes to genetics laboratory manual, exercises, and schedule 2021-2024

Officer Dennis McGurk Annual Fishing Tournament and Instructional 2019-2024

Led Stockton Student (current and alumni) Mentors from Ecology and Saltwater Fishing course in teaching local Atlantic City youths conservation and fishing techniques. Sponsored by the “Hooked on Fishing, Not on Drugs” Program, NJOA, New Angles for Success, and Stockton University (9/14/19; 6/11/22; 6/10/23; 6/8/24)

Transfer/Freshmen Student Open House 2021-2024

(10/22/21; 11/20/21; 4/3/22; 4/23/22; 10/2/22; 11/6/22; 10/1/23; 3/23/24; 4/20/24)

MLK Day of Service: New Angles for Success Event (1/16/23; 1/15/24) 2023-2024

4<sup>th</sup>-5<sup>th</sup> graders from nearby schools were given a tour of the Stockton science buildings and campus, an inspirational lecture on higher education, a bait species demonstration, and a series of activities (i.e. fish printing and casting tutorial)

Stockton Coast Day 2019-2024

Assisted in youth casting tutorials and reef assessment project information station (10/13/19; 10/20/23; 10/18/24)

New Angles for Success: Introduction to Stockton University for Principle Academy Charter’s Summer Accelerated Learning Program (8/2/23) 2023

80 grade schoolers partook in four rotational stations familiarizing them with Stockton University: a fishing resource and identification simulation, an actual Lake Fred fishing activity, sports in the I-wing gym, and a tour of the NAMS buildings and research labs.

Invited Seminar on *Possibilities from Passion and Perseverance* for Hamilton County School District students at Stockton University (7/20/23) 2023

(*In collaboration with University Admissions and Stockton Maple Project*)

Stockton Toolkit for Inclusive Learning and Teaching (STILT) Ambassador 2023

Developed an instructor’s tool for STILT toolkit; a list of short video links that can be used by STEM, and even non-STEM instructors, in their class to supplement course topics. These videos:

- engage students on the topic
- articulate dynamic processes in a visual way to address broader routes of optimal learning
- personalize/weight the topic information for students to improve knowledge retention
- convey disparities associated with different diseases, disorders, and medical practices
- illuminate instances of discrimination and bias in science and research

New Angles for Success Fall Event 2018-2023

Collaborative Pedagogical Outreach event between HOFNOD, Atlantic City Schools, Principal Academy Charter, and Stockton University’s GNM 2249 Ecology and Saltwater Fishing ([Covered by Stockton News in Fall 2021](#); [Stockton’s Celebrate Diversity Digest in Fall 2021](#); [SNJ Today](#), [CBS Philly](#), [Press of Atlantic City](#), and Fisherman Magazine in 2018; Awarded 2018 Provost Diversity Grant)

SFT Summer Workshop Organizer for Stockton University 2022; 2023

Recruited speakers, organized presentation times/rooms/technology into HyFlex delivery, fostered catering for in-person attendees, developed workshop itinerary, participated in 2 presentations, managed recordings posted to the SFT website for future viewing.

Stockton's Boy Scouts of America Merit Badge Academy (2/25/18; 2/9/19; 2/8/20; 2/26/22; 2/25/23; 2/24/24) My research students and I taught the fishing merit badge. Instructed scouts on outdoor/angling safety, catch and release, species regulations/sustainability, fishing gear identification and usage (Co-sponsored by Boy Scouts of America and Stockton Office of Service-Learning)	2017-2024
Captain for the Jersey Shore Junior Science Symposium (Stockton Representative, Executive Committee Member, Article Reviewer, Poster Judge, Student Research Mentor, Solicitor for Participating High Schools)	2017-2023
Stockton University Faculty Senate: At-Large Senator Faculty Senator	2016-2018; 2021-2023
Biology Program's Cells and Molecules Lab Manual	
<ul style="list-style-type: none"> <li>• Refined Exercise 2 in Lab Manual 2023 (F)</li> <li>• Reformed the Remote version of Lab Exercise 8 (Photosynthesis) 2021 (S) (parts of which were used for the in-person Fall 2021 version)</li> <li>• Created both Remote versions of Lab Exercises 3A (Atomic Interactions) &amp; 3B (Molecular Interactions) for Spring 2021 2021 (S)</li> <li>• Created In-person versions of Lab Exercises 1A (Atomic Interactions) &amp; 1B (Molecular Interactions) for Fall 2021 2021 (F)</li> <li>• Created Candle Activity and it's Assessment, and modified explanations for Lab Exercise 1 (Graphing, Data Analysis, and Scientific Observations) 2021 (F)</li> <li>• Modified explanations to Lab Exercises 2 (Std curve and methylene blue), 4 (Protein), 5 (Diffusion and Osmosis), &amp; 8 (Metabolism by Yeast) 2021 (F)</li> <li>• Suggested use of, and purchased (out of pocket), Isopure products to be used for enhancing protein concentration lab exercise for Fall 2021. 2021 (F)</li> <li>• Helped to modify Lab Exercise sequence 2021 (F)</li> <li>• Created Remote Lab Exercises 1A-B (Atomic and Molecular Interactions) &amp; 5 (Photosynthesis) (can be used for future emergency modality changes) 2020 (F)</li> <li>• Restructured Lab Exercises (at the time) 4 &amp; 7 2017</li> </ul>	
Freshmen/Transfer Student Orientation	
(6/24, 6/25, 6/27, 7/1, 7/3, 7/9, 7/11, 7/16, 7/18, 8/20)	2024
(1/6, 1/12, 5/23, 6/22, 6/26, 6/27, 6/29, 7/10, 7/12, 7/13, 7/18, 7/20, 8/8, 8/22)	2023
(1/4, 6/6, 6/9, 6/29, 7/5, 7/7, 7/12, 7/14, 7/19, 7/20, 7/21, 8/9, 8/26, 11/18, 12/2)	2022
(6/21, 6/30, 7/2, 7/7, 7/8, 7/9, 7/16, 8/10, 11/12)	2021
(All Days)	2020
(All Days: 6/25-27, 7/1-3, 7/8-11, 7/16, 8/13, 8/26)	2019
(All Days: 6/13, 6/25-28, 7/2-3, 7/5, 8/27)	2018
(6/14, 6/19-22, 6/26-29, 7/3, 7/6, 8/8, 8/29)	2017
(7/7, 7/11-12, 7/14, 8/9-10)	2016
(7/2, 7/7-7/10, 8/6)	2014
Student Instant Decision Days	2014-2023
(11/5/21, 10/8/21, 8/20/21, 8/17/22, 10/22/22, 8/17/23, 8/23/23, 12/1/23)	
(11/17/17, 10/15/16, 11/18/16, 11/13/15, 10/30/15, 11/7/14, 10/24/14)	
Poster Judge for NAMS Student Research Symposium	2013-2022
New Angles for Success Program – Lecture and Casting Tutorial, Lakeside Lodge, Stockton University. (7/21/22) <i>In collaboration with Hamilton Township School District</i> Lecture on the <i>Importance of Perseverance and a Scientific Mindset</i> , followed by casting instructional/competition	2022
New Angles for Success Program – Fishing and Inspiration Day ( <a href="#">7/10/22</a> ) <i>In collaboration with Principle Academy Charter School and educator, author, and motivational speaker, Jasmyn Wright</i> Guided Tour of the Stockton Science Buildings, Lectures on the <i>Importance of Perseverance</i> by invited speaker, Jasmyn Wright, and Fishing Instructional at Lake Fred	2022

Search Committee for Teaching Specialist in Biology (Human Anatomy), Non-Tenure Track Position (NTTP) (Position: 000081)	2022
New Angles for Success Program - Hooked on Fishing, Not on Drugs: Youth Fishing Challenge Lake Fred, Stockton University. ( <a href="#">6/5/22</a> ) <i>In collaboration with New Jersey Outdoor Alliance, Principle Academy Charter School, Cedar Creek High School, and Department of Environmental Protection's HOFNOD program</i>	2022
Poster Judge for Jersey Shore Science Fair	2014-2022
Project Leader for Stockton's MLK Day of Service (1/17/22) - Led students in cleaning 9 miles of trails and roads at the Edwin B. Forsythe Refuge	2022
Stockton Community Story for "Why I Got Vaxxed" Campaign	2021
Reviewer of ADA-504 Communication and Training Subcommittee's draft training session, <i>Accessibility and Accommodation in Instruction: A Professional Development Session for Faculty</i> , for the Stockton University's CTLD. (see Certificate)	2021
Aided assessment of General Studies learning objectives vital to the Middle States Commission on Higher Education (MSCHE) five-year review. - Volunteered to compile and provide the GENS Committee, Provost, and Dean with G-course assignments, assessments, and class activities	2021
Search Committee for Visiting Assistant Professor of Microbiology (Position: 100823)	2019
Middle Township intertidal reef construction for the horseshoe crab beach restoration projects Dredged-up and bagged seashells to strategically build mounds just offshore at Middle Township, Cape May, in the Delaware Bay. Such intertidal reefs provide adjacent beaches calmer waters, which are optimal spawning grounds for horseshoe crabs and other invertebrate species. Sponsored by American Littoral Society, the Department of Environmental Protection, and the Stockton University Coastal Research Center (8/10/19)	2019
Environmental Awareness/Appreciation Fishing Collaboration (5/24/19) (Stockton University-University of Delaware)	2019
Poster Judge for Galloway Township Middle School Science Fair	2019
Poster/Presentation Judge for John J. Lagrosa Conference and Exposition (5/18/19) (New Jersey Water Environment Association)	2019
Science Enrichment Academy at Stockton (SEAS) Program (Co-developed and conducted program with multiple activities, lectures, and nature trips)	2015-2019
Poster Judge for Stockton Graduate Research Symposium	2018
Poster Judge for Hess Science Fair in Mays Landing, NJ	2018
Student Tutoring (4 hours weekly) Sandy Davis	2018-2021
Carmel Apostle	2017
Stockton Fishing Club: Striped Bass and Bluefish Catch and Release Tournament Island Beach State Park (11/18) Co-coordinated the event and prize sponsors	2017
Search Committee for Assistant Professor of Biology <sup>3/4</sup> <sup>th</sup> -time position (Spring Semester) (Position: 000917)	2017
Reviewer for textbook (Fall Semester) How Life Works, 3 <sup>rd</sup> Edition: Chapter 32; Morris J. et al, Macmillan Learning W. H. Freeman and Company	2017
Associate of Science Option 5-Year Program Review (Outside Reviewer for Brookdale Community College Science Option Program)	2016
Juror for Stockton University CSI Summer Camp (8/4)	2016
Genetics Laboratory Budget Committee	2015
Conrad Foundation Spirit of Innovation Challenge Student Research Reviewer	2014
Scholarship Application Support Letters (As demonstrated by President Saatkamp's Letter of Appreciation)	2013
Environmental Protection Activity: Washington DC Protest of Keystone Pipeline	2013

## HONORS AND AWARDS

Type of Award	Institution	Year
Osprey Award for Community Engagement	Stockton University	2024
Compass Fund for Science Enrichment Academy at Stockton	Stockton University	2022
18th Annual Community Engagement Award	Stockton University	2022
Awarded Service Learning Designation (SRLN) for GNM-2249 Course	Stockton University	2021 (Fall)

## COMMUNITY SERVICE AND OUTREACH

Boy Scouts Merit Badge Counselor - Fishing merit badge		2017-2024
Scouting America's Youth Fishing Contest Instructor Citta Scout Reservation, Barnegat, (6/1/24)		2024
HOFNOD Youth Fishing Challenge Instructor Lake Lenape, Mays Landing, (6/1/24)		2024
American Littoral Society Member and Fish Tagger		2012-2024
American Littoral Society Summer Flounder Tagging Training - With Stockton research undergraduates and GNM Course students (9/19/21, 9/3/22, 8/31/24)		2021-2024
Mr. B's Backyard Classroom: Naturefest (Galloway School District) (6/5/15, 6/2/16, 6/1/17, 5/24/18, 6/7/19, 6/7/22, 5/30/24)		2015-2024
Invited Seminar at Bayhead Shores Fishing Club, Point Pleasant, NJ, (5/21/24) <i>Improve Angling Tactics by Understanding Striper Anatomy, Physiology, and Behavior</i>		2024
Invited Seminar at Gabriel's Tackle Co., Brick, NJ, (3/4/23) <i>Spring Shore Stripers in Southern Monmouth and Northern Ocean Counties</i>		2024
Conducted <i>Make and Take a Fishing Pole</i> community event at Galloway library (12/2/23) Sponsored by HOFNOD/New Angles for Success/Principle Academy Charter		2023
Invited Seminar at Bayhead Shores Fishing Club, Point Pleasant, NJ, (11/21/23) <i>Stockton Research and Eeling Striped Bass</i>		2023
Invited Seminar at Manasquan Fishing Club, Manasquan, NJ, (11/3/23) <i>Stockton Research and Improving Angling Tactics by Understanding Striper Anatomy, Physiology, and Behavior</i>		2023
Invited Seminar at Brielle Library, Brielle, NJ, (7/13/23) <i>Local Marine Dangers: From a Surf Angler's Perspective</i>		2023
HOFNOD-sponsored bottom-fishing instructional boat trip (6/17/23) With Principle Academy Charter, Cedar Creek High school, and New Angles for Success. Starlight Fleet out of Wildwood, NJ		2023
Community Fishing Derby at Patriot Lake (6/3/23) Sponsored by the Hooked of Fishing, Not on Drugs program		2023
Community Fishing Day at Heritage Park (5/27/23) Sponsored by the Hooked of Fishing, Not on Drugs program		2023
Invited Seminar at Gabriel's Tackle Co., Brick, NJ, (5/4/23) <i>Improve Angling Tactics by Understanding Striper Anatomy, Physiology, and Behavior</i>		2023
Stockton Community Day Atlantic City, NJ (4/22/23) My New Angles for Success program ran a section on <i>Introduction to fish tagging/sampling research, basic angling concepts, and proper casting technique</i> where		2023

Atlantic City youth were instructed in the Backyard Bass Casting activity. My program also assisted in community cleanup measures.		
Science, Technology, Engineering, Art and Mathematics (STEAM) Day	Sponsored by Stockton University's School of Education, New Angles for Success Program, and 8 <sup>th</sup> Graders from Sovereign Avenue School (3/31/23)	2023
Kids Day at the Dock: Fishing, Crabbing, and Outdoor Youth Instruction	Berkeley Striper Club and The Dock Outfitters, Seaside Heights, NJ (8/18/16, 8/24/17, 8/26/22, 8/24/23)	2016-2023
New Angles for Success Program – Youth Fishing Tutorials	Heritage Park Pond, Absecon, NJ (8/20/22) <i>In collaboration with Principle Academy Charter School, Absecon Police Department, and Hooked on Fishing, Not on Drugs program</i>	2022
New Angles for Success Program – DEP Oceans of Possibilities Youth Seminar	Gaskill Park, Mays Landing, New Jersey (7/19/22) <i>In collaboration with DEP's Department of Fish and Wildlife</i>	2022
Weigh-in station assistant for Jimmy Johnson's Atlantic City "Quest for The Ring"	Championship Fishing Tournament Golden Nugget Marina, Atlantic City, New Jersey (7/11/22)	2022
New Angles for Success Program – DEP Oceans of Possibilities Youth Seminar	Egg Harbor Township Library, Egg Harbor Township, New Jersey (7/8/22) <i>In collaboration with DEP's Department of Fish and Wildlife</i>	2022
Radio Interview on <i>New Angles for Success Program and Striped Bass Tagging for Stockton.</i>	Shep on Fishing, Michael Shepherd, 1400 AM WOND, (6/25/22; 10/29/22)	2022
Half-day multi-collaborative seminar series on <i>Beach-reading, Casting, Fishing, Ecological Succession, and Tagging Practices</i> for Cedar Creek High School.	- Sponsored by New Angles for Success program, Striped Bass Tagging for Stockton project, Hooked on Fishing program, New Jersey Sea Grant Consortium, American Littoral Society, and New Jersey Outdoor Alliance (NJOA) (5/17/22)	2022
Four hour interactive seminar series for HOFNOD's Sisters of the Field on <i>Stockton University's SEA Grant Reef assessment project, Striped Bass Tagging for Stockton, the New Angles for Success program, marine conservation, angling basics, local marine dangers, and ecological interactions.</i>	Island Beach State Park, NJ (5/15/22)	2022
Radio Interview on <i>Stockton Research Programs: Striped Bass Tagging for Stockton and Sea Grant-Funded Ecological Assessment of Jersey Shore Wrecks/Reefs.</i>	Shep of Fishing, Michael Shepherd, 1400 AM WOND, (4/9/22)	2022
Co-conducted guest lecture with research students on <i>Striped Bass Anatomy, Physiology, and Behavior</i>	Striped Bass Tagging for Stockton (SBTS) and HOFNOD programs Gateway Regional High School, Woodbury Heights, NJ (2/2/22)	2022
Co-conducted guest lecture with SBTS research student on <i>Striped Bass Anatomy, Physiology, and Behavior</i>	Striped Bass Tagging for Stockton (SBTS) and HOFNOD programs Cedar Creek High School, Egg Harbor City, NJ (12/16/21)	2021
Guest lecture on <i>Using My Passion to Uplift Myself and Others: The Essentiality of Perseverance and a Scientific Mindset for Success</i>	Troop 77 Court of Honor, Boy Scouts of America, Galloway, NJ (12/13/21)	2021
Seminar on <i>Striped Bass Anatomy, Physiology, and Behavior</i>	HOFNOD Program, Ocean City Intermediate School, Ocean City, NJ (12/1/21)	2021
Volunteer for the NJOA's Annual Sporting Clays Fundraiser	(Red Wings Sporting Clays, Port Republic, NJ) (10/9/21; 10/15/22; 10/14/23)	2021-2023
Seminar on <i>Striped Bass Anatomy, Physiology, and Behavior</i>	Brick Memorial High School in conjunction with HOFNOD program, (11/19/18; 11/11/19; 11/12/21)	2018-2021
Seminar on <i>Local Marine Dangers: From a Surf Anglers Perspective</i>	Youth Fishing Clinic at Rutgers Cooperative Extension of Ocean County and International Gamefish Association (IGFA) (8/7/21)	2021



Data Collection for State-wide Summer Flounder Tournament	2015-2020
Jersey Coast Anglers Association and Fisheries Cooperative Center Rutgers University	
Youth Fishing Demonstration and Seminars	2013-2019
Department of Environmental Protection's Divisions of Fish and Wildlife, Parks and Forestry, the Green Acres Program, and the Conserve Wildlife Foundation of New Jersey (9/15/13) (9/13/14) (9/12/15-9/13/15) (9/10/16) (9/9/17) (9/8/18) (9/7/19)	
Counselor/Judge for Youth Fishing Competition	2019
Lake Lenape, Mays Landing, NJ	
Sponsored by DEP and Hooked on Fishing Program (6/8/19)	
Hooked on Fishing Program Youth Instructor Training (5/17; 5/18; 5/19)	2019
Sponsored by the DEP and NJ Division of Fish and Wildlife	
Seminar on Striped Bass Anatomy/Physiology/Behavior, and Filleting Demonstration. Co-taught pedagogical techniques in using angling skill development and environmental education as a gateway to teach youth about the benefits of a healthy lifestyle and how to deal with the challenges facing them in their young lives.	
Youth Fishing Instruction and Tutorial for Hooked on Fishing Program (6/9/18)	2018
Hamilton FD Pond, Route 33 and Jumping Brook Road, Neptune NJ	
Co-sponsored by Department of Environmental Protection and Neptune Police Department	
Brick Township Snow Corp Volunteer (1/5/18)	2018
Snow removal from homes of senior citizens and disabled persons	
Wharton State Forrest Tree-Thinning	2018
Mitigated the risks of wildfire and disease to make remaining trees more vigorous: Department of Environmental Protection, NJ Forest Fire Service, and NJ State Forestry Service (10/13)	
Brendan T. Byrne State Forrest Tree-Thinning	2017
Mitigated the risks of wildfire and disease to make remaining trees more vigorous: Department of Environmental Protection, NJ Forest Fire Service, and NJ State Forestry Service (9/23)	
Port Norris shell-bagging for the horseshoe crab beach restoration projects	2017
Dredged-up seashells were bagged and used for building two new Delaware Bay intertidal reefs, therefore promoting adjacent beaches calmer waters and optimal spawning grounds for horseshoe crabs and other invertebrate species.	
Sponsored by American Littoral Society and the Department of Environmental Protection (1/28/17)	
Double Trouble State Park Plantation Thinning	2016
Mitigated the risks of wildfire and disease to make remaining trees more vigorous: Department of Environmental Protection, NJ Forest Fire Service, and NJ State Forestry Service (2/6)	
CFC Loud and Clear Foundation Volunteer (12/20, 12/26)	2015
Radio Interview on <i>Striped Bass Fishing and My Ecology and Saltwater Fishing Course at Stockton University.</i>	2014
Shep on Fishing, Michael Shepherd, 1400 AM WOND, (12/27/14)	
Reconstruction of School Playgrounds for Kaboom Inc. and Nebus Contracting (8/24/13)	2013
Seven Days of Hurricane Sandy Relief Effort	2012
(Ray Nebus Construction: Toms River, Tinton Falls, Seaside Heights, Beach Haven, and Ventnor City NJ)	
Health and Wellness Fair (Bethel African Methodist Episcopal Church, Wilmington, Delaware)	2010
Breast Cancer Relay for Life (American Cancer Society)	2009