

# Jannell E. Clampitt EIT, CPESC-IT

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## EDUCATION

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Ph.D., Civil and Environmental Engineering   Stormwater Management, Auburn University – Auburn, AL	August 2025
M.S., Civil and Environmental Engineering   Stormwater Management, Auburn University – Auburn, AL	August 2023
B.S., Biological Systems Engineering   Bioenvironmental Engineering Option, Iowa State University – Ames, IA	May 2021
Study Abroad – University of San Francisco de Quito – Ecuador	May 2017

## RESEARCH EXPERIENCE

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### Graduate Research Assistant – Auburn University

Auburn, AL (May 2021-Current)

- ♣ Led multiple research initiatives focused on stormwater management in construction and coastal areas, as well as engineering education, overseeing project design, planning, and execution
- ♣ Delivered 23 presentations at national and international conferences, spanning venues across the United States and Poland
- ♣ Presented 7 substitute lectures across Construction Engineering, Construction Equipment and Methods, and Erosion and Sediment Control Technologies courses
- ♣ Conducted 9 outreach and training sessions on erosion and sediment control, featuring lectures, interactive exercises, and practical demonstrations.

### Research Aid – USDA-ARS-NLAE

Ames, IA (May 2019-May 2021)

- ♣ Cover crop experiments analyzed via:
  - Collecting and processing plant and soil samples
  - Tracking Plant Stage for data collection
  - Preparing field crops for future experiments
  - Overseeing field crops to maintain plant health
  - Ensuring accurate yield calculations

### Summer Intern - Ceva Biomune

Lenexa, KS (Summer 2017)

- ♣ High attention to detail when performing molecular biology techniques including:
  - Nucleic acid extractions, BLAST, PCR, RT-qPCR, Assay validation
- ♣ Delivered Professional oral presentation

Accurately recorded in lab notebook for record-keeping

## ACADEMIC TEACHING EXPERIENCE

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6. Graduate Teaching Assistant - Spring 2024 at Auburn University  
Class: CIVL 5450 | 6450 - Erosion and Sediment Control Technologies in Construction  
Lecture Frequency & Length: T/Th: 110 minutes; Grade Level: Senior and Graduate Level; Class Size: 32
5. Undergraduate Teaching Assistant and Peer Mentor - Spring 2021 at Iowa State University  
Class: ABE 110 - Experiencing Agricultural and Biosystems Engineering  
Lecture Frequency & Length: F: 170 minutes; Grade Level: Freshmen & Transfer Students; Class Size: 7
4. Undergraduate Teaching Assistant and Peer Mentor - Fall 2020 at Iowa State University  
Class: ENGR 101 - Engineering Orientation  
Lecture Frequency & Length: F: 110 minutes; Grade Level: Freshmen & Transfer Students; Class Size: 8
3. Undergraduate Teaching Assistant and Peer Mentor - Spring 2020 at Iowa State University  
Class: ABE 110 - Experiencing Agricultural and Biosystems Engineering  
Lecture Frequency & Length: Th: 110 minutes; Grade Level: Freshmen & Transfer Students; Class Size: 6
2. Undergraduate Teaching Assistant and Peer Mentor - Fall 2019 at Iowa State University  
Class: ENGR 101 - Engineering Orientation  
Lecture Frequency & Length: F: 110 minutes; Grade Level: Freshmen & Transfer Students; Class Size: 4-8
1. Undergraduate Practicum - Spring 2018 at Kansas State University  
Class: BIOL 455 - Microbiology Lab

Lecture Frequency & Length: T/Th: 110 minutes; Grade Level: Junior Level; Class Size: 40

## INVITED LECTURES:

	Class	Subject	Location	Lecture Length	Class Size	Date
7.	<b>CIVL 5450   6450</b> - Erosion and Sediment Control Technologies in Construction	<u>Flocculants</u>	Auburn University	75 minutes	32	24 April 2024
6.	<b>CIVL 3410</b> - Construction Engineering	<u>Labor Costs</u>	Auburn University	50 minutes	55	18 April 2024
5.	<b>CIVL 3410</b> - Construction Engineering	<u>Construction Estimating III: Earthwork Estimation</u>	Auburn University	50 minutes	55	18 April 2024
4.	<b>CIVL 5450   6450</b> - Erosion and Sediment Control Technologies in Construction	<u>Flocculants</u>	Auburn University	75 minutes	30	14 April 2024
3.	<b>CIVL 5450   6450</b> - Erosion and Sediment Control Technologies in Construction	<u>Hydrology &amp; Watersheds</u>	Auburn University	75 minutes	32	6 February 2024
2.	<b>CIVL 5440   6440</b> - Construction Equipment and Methods	<u>Pile Driving &amp; Scrapers</u>	Auburn University	75 minutes	27	14 September 2023
1.	<b>CIVL 3410</b> - Construction Engineering	<u>Construction Estimating II: Detailed Estimates</u>	Auburn University	50 minutes	65	7 May 2023

## CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

<b><u>Certified Professional in Erosion and Sediment Control – In Training (CPESC-IT)</u></b>	June 2021
EnviroCert International, Inc. No. 00010862	
<b><u>OSHA 30-hour Construction</u></b>	December 2021
Occupational Safety and Health Administration Construction Safety and Health. No. 17-602000925	
<b><u>Engineer in Training (EIT)</u></b>	June 2021
Engineering and Land Surveying Examining Board, Iowa Professional Licensing. No. EIT – 00722	
<b><u>Engineering and Computing Responsible Conduct of Research</u></b>	May 2021
CITI Program, A Division of BRANY. No. 42601359	
<b><u>Open Water SCUBA Diver</u></b>	July 2016
Scuba Schools International (SSI). No. 1990774	

## PROFESSIONAL EXPERIENCE:

<b><u>Summer Intern – Moffatt &amp; Nichol - Mobile, AL</u></b>	June 2023 - July 2023
<ul style="list-style-type: none"> <li>☛ Consulted with clients during update meetings for their site</li> <li>☛ Assisted in formulating project reports, proposals, and bid packages</li> <li>☛ Evaluated new, existing, and past coastal restoration project sites to assess environmental changes</li> <li>☛ Explored networking opportunities with local communities regarding coastal restoration opportunities</li> </ul>	
<b><u>Tenant Liaison – Triplett Companies - Ames, IA</u></b>	May 2018 - September 2018
<ul style="list-style-type: none"> <li>☛ Trusted with accounts receivables</li> <li>☛ Professional when performing legal proceedings</li> <li>☛ Safety awareness during showings</li> <li>☛ Analysis when performing applicant screenings</li> <li>☛ Daily customer interaction and satisfaction</li> </ul>	
<b><u>Lab Assistant – Kansas State University Employee - Manhattan, KS</u></b>	September 2017 - May 2018
<ul style="list-style-type: none"> <li>☛ Molecular Biology Lab</li> <li>☛ Developed primers and probes</li> <li>☛ Performed primer and probe validations</li> <li>☛ Researched for authenticating paperwork</li> </ul>	
<b><u>Technical Property Management Assistant – Swartzel Properties - Lawrence, KS</u></b>	January 2018 - May 2018
<ul style="list-style-type: none"> <li>☛ Maintaining quality control for several rental houses</li> <li>☛ Planning &amp; implementing construction and landscape projects</li> </ul>	

- ☛ Quality control for tenants

#### **Park Maintenance - Johnson County Parks and Recreation District - Olathe, KS**

Summer 2016

- ☛ Quality upkeep of three separate parks under the jurisdiction of JCPRD
- ☛ Responsibility when operating machinery and landscaping equipment

### **HONORS/AWARDS:**

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- ☛ **United States Coastal Research Program (USCRP) at United States Army Engineer Research and Development Center (ERDC)** – 1<sup>st</sup> Place Coastal Wave Dissipation Competition 2024
- ☛ **Most Distinguished Technical Paper Award, International Erosion Control Association** - 2023 & 2024
- ☛ **Erosion and Sediment Control Student Poster Competition, International Erosion Control Association** – 1<sup>st</sup> Place Award, 2023; 2<sup>nd</sup> place Award, 2024
- ☛ **2023 Alabama Water Resource Conference Oral Student Competition** - 1<sup>st</sup> Place Award
- ☛ **American Society of Civil Engineers (ASCE)** – 1st Place Coastal Erosion Prevention Competition 2023
- ☛ **Chi Epsilon Civil Engineering Honor Society**
- ☛ **Tau Beta Pi Engineering Honors Society Member**
- ☛ **Magna Cum Laude**
- ☛ **USDA Student Employee of the Year 2020**

### **LANGUAGES:**

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- ☛ **American Sign Language** - Two years of experience

### **LEADERSHIP/ACTIVITIES:**

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#### **TigerStream: Auburn's Stormwater Seminar Series**

June 2024 - Current

- Co-founder and coordinator of the monthly webinar series showcasing stormwater research projects.
- Curated presentations for researchers and industry professionals to exchange knowledge.

#### **Conference Moderator**

February 2022 - Current

- Moderated technical sessions at industry conferences, facilitating discussions and managing Q&A periods between presenters and attendees.

#### **Innovative Erosion and Sediment Control Field Day and Hands-On Installer Training Workshop**

May 2021 – Current

- Planning committee member for Auburn University's Stormwater Research Facility annual workshop.
- Teach practitioners how to install erosion and sediment control practices with a focus on the underlying science.

#### **American Society of Civil Engineers (ASCE) – Auburn, AL**

- Planning committee member for hosting the 2022 ASCE Gulf Coast Student Symposium at Auburn University. Continued to be an active member for upcoming competitions.

May 2021 – Current

#### **International Society of Sustainability Professionals**

January 2021 – Current

- Students and professionals interested in incorporating sustainability concepts into their work.

#### **Sailing Club – Ames, IA**

January 2020 – May 2021

- Racing Coordinator. Organize regattas, events, and trips with surrounding Universities.

#### **SCUBA Diving and Snorkeling Club – Ames, IA**

August 2019 – May 2021

- President, Trip Coordinator, and Club Manager. Exercise leadership skills through organizing events, trips, meetings, and fundraising opportunities. Coordinate with local dive shops and fellow divers.
- Maintain dive equipment.

#### **Sports Coach & Personal Trainer – Manhattan, KS**

August 2017 - May 2018

- Safety Officer for Fencing and in charge of managing workouts and practice schedules. Boxing
- Personal Trainer and Assistant Coach at KO Boxing.

#### **Microbiology Club – Manhattan, KS**

January 2017 - May 2018

- Public Relations Officer. Organize events to explore research topics in microbiology moreover, its role and impact.

## GRANTS & SCHOLARSHIPS AWARDED:

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- 💧 **2021 - 2025 Walt and Virginia Woltosz Fellowship** - Samuel Ginn College of Engineering, Auburn University
- 💧 **2022, 2023, 2024 Earl Norton Student Scholarship** – International Erosion Control Association Southeast Chapter
- 💧 **2024 January GSC Travel Fellowship** – Graduate Student Council, Auburn University
- 💧 **2019 Diane Brandt Fund** – Iowa State University
- 💧 **2016 Bluemont Grant** – Kansas State University
- 💧 **2016 Achievement Award** – Kansas State University

## TECHNICAL COMPETENCIES:

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### **Predicting Shoreline Vegetation Loss Due to Sea Level Rise**

September 2024 - Current

Provided critical timelines for when living shoreline vegetation, Black Needle Rush (*Juncus roemerianus*), will likely die off due to sea level rise if preventive measures are not implemented.

### **Development of Resilient, Risk-Based Guidelines for Erosion and Sediment Control Practices**

June 2024 – Current

Developed resilient, risk-based design guidelines for erosion and sediment control practices to improve performance during severe storm events, enhancing water quality and reducing maintenance costs.

### **Evaluating Thin Layer Sediment Placement for Coastal Wetland Restoration**

September 2023 – August 2024

Evaluated optimal sediment addition depths through thin layer placement to support the survival of Black Needle Rush (*Juncus roemerianus*) in coastal wetlands, providing critical guidance for effective shoreline restoration and enhancing long-term resilience against erosion and sea level rise.

### **Optimizing Dosing and Application of Polyacrylamide Flocculants in Field-Scale Sediment Control**

May 2022 – August 2023

Conducted field-scale testing of granular and block polyacrylamide flocculants to refine dosing and application methods, offering insights into dosage, timing, and placement for construction site sediment control.

### **Advanced Detection Methods for Flocculants in Stormwater Runoff**

May 2022 – August 2023

Expanded on a floc settling velocity method to make it more reliable and field-applicable for detecting residual flocculants in stormwater by accounting for temperature, pH, and concentration. This research improves dosage management, reducing environmental risks and enhancing sediment capture efficiency on construction sites.

### **Assessment of Wattle Encasement Materials for Enhanced Hydraulic Performance**

May 2021 – August 2022

Investigated the impact of different wattle encasement materials, including plastic netting, polypropylene, polyester blends, cotton, and bamboo-cotton blends, on hydraulic performance in erosion and sediment control applications. This research aimed to optimize the use of fabric materials for more effective sediment retention in construction site runoff management.

### **Impact of Stereotype Threats on Latinx Engineering Identity**

May 2021 – May 2022

Explored the effects of ethnicity- and gender-based stereotype threats on the engineering identity of Latinx undergraduates. The research aimed to understand how these threats influence student persistence and performance, providing insights to help institutions foster more inclusive environments and support the success of underrepresented students in engineering.

### **Wetland design**

Fall 2020 – May 2021

Collaborated with two other members on a group wetland design for a drainage district in Northern Iowa for ISG.

### **Greenhouse Monitoring System**

Fall 2020

Small-scale version of a greenhouse was designed and constructed. Controlled through an Arduino, the system contained sensors to measure carbon dioxide, light, temperature, and humidity levels within the structure. Lights and fans were used to mitigate undesirable conditions.

### **Portable Flow Velocity Meter**

Spring 2019

Designed, built, and calibrated a device to accurately measure the water velocity of a stream. Currently working on improving and patenting the design.

### **Bioreactor**

Spring 2019

Small-scale bioreactor that utilized grass varieties, topsoil, and wood chips to reduce nitrate concentration in water.

**Experience using the following software and programs:**

☛ VBA Programming	☛ MATLAB	☛ Arduino
☛ LabVIEW	☛ SOLIDWORKS	☛ AutoCAD
☛ Autodesk Inventor	☛ HydroCAD	☛ ArcGIS

**VOLUNTEER ACTIVITIES:****American Society of Civil Engineers (ASCE) – Auburn, AL**

August 2021 – May 2022

Planning committee member for hosting the 2022 ASCE Gulf Coast Student Symposium at Auburn University.

**Conference Operations Coordinator**

February 2022

Provided logistical, technical, audio and visual, registration, & attendee guidance support as a Session Liaison for the 65<sup>th</sup> Annual Alabama Transportation Conference.

**Tau Beta Pi Campus Cleanup – Ames, IA**

April 2021

Restored campus by collecting and properly disposing of litter.

**Iowa State Fair – Des Moines, IA**

August 2019

Educated the public about Monarch Butterflies at the USDA Booth.

**Kansas State University Homecoming Committee – Manhattan, KS**

April 2017 – November 2017

Planned and managed Kansas State University homecoming and events

**SCHOLARLY CONTRIBUTIONS:****Referred Journals:**

Note: \*indicates presenter(s)

4. **Clampitt, J.E.\***, Perez, M.A., Donald, W.N., Fang, X., & Kazaz, B. *Exploratory Flocculant Testing on Field-Scale Construction Site Applications*, Submitted to the Transportation Research Record, [Under Review]
3. **Clampitt, J.E.\***, Perez, M.A., Poleacovschi, C., LaMondia, J., & Ballesteros, L. *The Effects of Stereotype Threats on Engineering Identities Among Latinx Undergraduate Engineering Students*, Submitted to the Journal of Engineering Education. [Under Review]
2. **Clampitt, J.E.\***, Perez, M.A., Donald, W.N., Kazaz, B., & Fang, X. *Evaluating Viscosity, Streaming Current Value, and Settling Velocity as Techniques to Detect Flocculant Dosage for Construction Stormwater Runoff*, Submitted to the Journal Irrigation and Drainage Engineering. [Under Review]
1. **Clampitt, J.E.\***, Perez, M.A., Whitman, J.B., Donald, W.N., LaMondia, J.J., & Craig, A.J. (2023). Hydraulic Evaluation of Wattle Encasement Materials, Transportation Research Record, Vol. 2677(7) [DOI: [10.1177/03611981231152255](https://doi.org/10.1177/03611981231152255)]

**Conference Proceedings:**

Note: \*indicates presenter(s)

7. **Clampitt, J.E.\***, & Perez, M.A., International Erosion Control Association (IECA) Annual Conference & Expo, *Accelerating Accretion to Prevent Coastal Erosion*, Erosion and Sediment Control Poster Session, Richmond, VA, 27 February 2025
6. **Clampitt, J.E.\***, Perez, M.A., Donald, W.N., Fang, X., & Kazaz, B., Transportation Research Board (TRB) Annual Meeting, *Exploratory Flocculant Testing on Field-Scale Construction Site Applications*, Advancements in Stormwater Management: Innovations, Assessments, and Monitoring Techniques, Washington, DC, 9 January 2024
5. **Clampitt, J.E.\***, Perez, M.A., Donald, W.N., Kazaz, B., Fang, X., International Erosion Control Association (IECA) Annual Conference & Expo, *Advancing Flocculant Guidance for Construction Site Applications*, Erosion and Sediment Control Technical Paper, Spokane, WA, 26 February 2024
4. **Clampitt, J.E.\***, Perez, M.A., Donald, W.N., Kazaz, B., Fang, X., Transportation Research Board (TRB) Annual Meeting, *Viscosity, Streaming Current Value, and Settling Velocity as Techniques to Detect Flocculant Dosage in Construction Stormwater Runoff*, Lectern Session 3192: Advancements in Stormwater Management: Innovations, Assessments, and Monitoring Techniques, Washington, DC, 9 January 2024
3. **Clampitt, J.E.\***, Perez, M.A., Whitman, J.B., Donald, W.N., LaMondia, J.J., & Craig, A.J., International Erosion Control Association (IECA) Annual Conference & Expo, *Understanding and Improving the Hydraulic Performance of Wattles for Erosion and Sediment Control*, Erosion and Sediment Control Technical Paper, Kansas City, MO, 7 February 2023
2. **Clampitt, J.E.\***, Perez, M.A., Whitman, J.B., Donald, W.N., LaMondia, J.J., & Craig, A.J., Transportation Research Board (TRB) Annual Meeting, *Hydraulic Evaluation of Wattle Encasement Materials*, TRB Paper No.: 22-00861, Poster Session 2155: Peculating Change: Hydrology, Hydraulics, and Stormwater Management in the Transportation Environment, Washington, DC, 9 January 2023

1. **Clampitt, J.E.\***, Ballesteros, L., Poleacovschi, C., & Perez, M.A., American Society for Engineering Education (ASEE) Conference, *The Effects of Stereotypes on Engineering Identities Among Latinx Undergraduate Engineering Students*, Civil Engineering Session, Charleston, SC, 14 March 2022
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### **Conference Presentations:**

Note: \*indicates presenter(s)

23. **Clampitt, J.E.\***, & Perez, M.A., International Erosion Control Association (IECA) Annual Conference & Expo, *Accelerating Accretion to Prevent Coastal Erosion*, Erosion and Sediment Control Poster Session, Richmond, VA, 27 February 2025
22. **Clampitt, J.E.\***, & Perez, M.A., International Erosion Control Association (IECA) Annual Conference & Expo, *Coastal Erosion Control Management through Thin Layer Placement for Sustained Living Shorelines*, Erosion and Sediment Control Technical Paper, Richmond, VA, 27 February 2025
21. **Clampitt, J.E.\***, Perez, M.A., Donald, W.N., Fang, X., & Kazaz, B., Transportation Research Board (TRB) Annual Meeting, *Exploratory Flocculant Testing on Field-Scale Construction Site Applications*, Advancements in Stormwater Management: Innovations, Assessments, and Monitoring Techniques, Washington, DC, 9 January 2024
20. **Clampitt, J.E.\***, & Perez, M.A., Bays and Bayous, *Enhancing Living Shoreline Resilience with Strategic Thin Layer Placement for Coastal Erosion Control*, Conserving and Restoring Critical Habitats, Biloxi, MS, 19 November 2024
19. **Clampitt, J.E.\***, Perez, M.A., Donald, W.N., Alabama Water Resources Conference (ALWRC), *Does Thin Layer Placement Lead to Replanting Living Shorelines?*, Session 2: Coastal Issues, Orange Beach, AL, 5 September 2024
18. **Clampitt, J.E.\***, Perez, M.A., Donald, W.N., Municipal Wet Weather Stormwater Conference International Erosion Control Association (IECA) Southeast Chapter, *Living Shoreline Viability Post Thin Layer Placement on Back Needle Rush (Juncus Roemerianus)*, Erosion and Sediment Control Lightning Talk, Auburn, AL, 15-17 May 2024
17. **Clampitt, J.E.\***, Perez, M.A., Donald, W.N., Municipal Wet Weather Stormwater Conference International Erosion Control Association (IECA) Southeast Chapter, *Living Shoreline Viability Post Thin Layer Placement on Back Needle Rush (Juncus Roemerianus)*, Erosion and Sediment Control Poster Session, Auburn, AL, 15-17 May 2024
16. **Clampitt, J.E.\***, Perez, M.A., Donald, W.N., Auburn University Research Symposium, *Back Needle Rush (Juncus Roemerianus) Survival After Thin Layer Placement*, Poster Session, Auburn, AL, 26 March 2024
15. **Clampitt, J.E.\***, Perez, M.A., Donald, W.N., Auburn University Climate Symposium 2024: Water-Food-Energy Nexus, *Thin Layer Placement Impacts on Back Needle Rush (Juncus Roemerianus) Survival*, Poster Session, Auburn, AL, 19 March 2024
14. **Clampitt, J.E.\***, Perez, M.A., Donald, W.N., Kazaz, B., Fang, X., International Erosion Control Association (IECA) Annual Conference & Expo, *Granular PAM Flocculant Detection on Construction Sites, Erosion and Sediment Control*, Poster Session, Spokane, WA, 27 February 2024
13. **Clampitt, J.E.\***, Perez, M.A., Donald, W.N., Kazaz, B., Fang, X., International Erosion Control Association (IECA) Annual Conference & Expo, *Advancing Flocculant Guidance for Construction Site Applications*, Erosion and Sediment Control Technical Paper, Spokane, WA, 26 February 2024
12. **Clampitt, J.E.\***, Perez, M.A., Donald, W.N., Kazaz, B., Fang, X., Transportation Research Board (TRB) Annual Meeting, *Viscosity, Streaming Current Value, and Settling Velocity as Techniques to Detect Flocculant Dosage in Construction Stormwater Runoff*, LECTERN Session 3192: Advancements in Stormwater Management: Innovations, Assessments, and Monitoring Techniques, Washington, DC, 9 January 2024
11. **Clampitt, J.E.\***, Alabama Water Resources Conference (ALWRC), *Guidance for Using Flocculants on Construction Sites*, Session 2: Stormwater, Orange Beach, AL, 7 September 2023
10. **Clampitt, J.E.\***, Municipal Wet Weather Stormwater Conference International Erosion Control Association (IECA) Southeast Chapter, *Advancing Guidance for Flocculant use on Construction Sites*, Erosion and Sediment Control Case Study, Chattanooga, TN, 2 May 2023
9. **Clampitt, J.E.\***, Perez, M.A., Whitman, J.B., Donald, W.N., LaMondia, J.J., & Craig, A.J., International Erosion Control Association (IECA) Annual Conference & Expo, *Understanding and Improving the Hydraulic Performance of Wattles for Erosion and Sediment Control*, Erosion and Sediment Control Technical Paper, Kansas City, MO, 7 February 2023
8. **Clampitt, J.E.\***, Perez, M.A., Whitman, J.B., Donald, W.N., LaMondia, J.J., & Craig, A.J., International Erosion Control Association (IECA) Annual Conference & Expo, *Materials Matter for Wattle Hydrologic Performance*, Erosion and Sediment Control Poster Session, Kansas City, MO, 7 February 2023
7. **Clampitt, J.E.\***, Perez, M.A., Whitman, J.B., Donald, W.N., LaMondia, J.J., & Craig, A.J., Transportation Research Board (TRB) Annual Meeting, *Hydraulic Evaluation of Wattle Encasement Materials*, TRB Paper No.: 22-00861, Poster Session 2155: Percolating Change: Hydrology, Hydraulics, and Stormwater Management in the Transportation Environment, Washington, DC, 9 January 2023
6. **Clampitt, J.E.\***, Perez, M.A., Whitman, J.B., Donald, W.N., LaMondia, J.J., & Craig, A.J., 10th Annual Graduate Engineering Research Showcase, *Modifying Wattle Encasement to Enhance Impoundment Performance*, Poster Session, Auburn, AL, 20 October 2022
5. **Clampitt, J.E.\***, Alabama Water Resources Conference (ALWRC), *Enhancing the Hydraulic Performance of Wattles for Erosion and Sediment Control*, Session 4: Stormwater, Orange Beach, AL, 8 September 2022



4. **Clampitt, J.E.\***, Perez, M.A., Whitman, J.B., Donald, W.N., LaMondia, J.J., & Craig, A.J., 30th International Conference on Structural Failures Conference (ICSF), Erosion Control Encasement and Density Impacts on Impoundment Abilities, Session VI: Materials Aspects of Failures and Repairs: Poster, Międzyzdroje, Poland, 26 May 2022
  3. **Clampitt, J.E.\***, Ballesteros, L., Poleacovschi, C., & Perez, M.A., American Society for Engineering Education (ASEE) Conference, The Effects of Stereotypes on Engineering Identities Among Latinx Undergraduate Engineering Students, Civil Engineering Session, Charleston, SC, 14 March 2022
  2. **Clampitt, J.E.\***, Perez, M.A., Whitman, J.B., & Craig, A.J., International Erosion Control Association (IECA) Annual Conference & Expo, Hydraulic Performance Evaluation of Wattle Encasement and Density Used for Erosion and Sediment Control, Erosion and Sediment Control Poster Session, Minneapolis, MN, 17 February 2022
  1. Turochy, E., Perez, M.A., Poleacovschi, C., Doran, E., & **Clampitt, J.E.\***, American Society for Engineering Education (ASEE) Conference, Types of Stereotype Threats that Latinx Students Experience in Undergraduate Engineering Education, Minorities in Engineering Division Technical Session, Virtual, 29 July 2022
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#### **Technical/Final Reports Submitted to Funding Agencies:**

1. Kazaz, B., **Clampitt, J.E.**, Perez, M.A., Donald, W.N., Xing, F., & Shaw, J.N. (2023). Best Practices for Construction Site Stormwater Treatment Using Flocculants, to Alabama Department of Transportation, Highway Research Center, Auburn, AL 36849
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#### **Theses and Dissertations:**

1. **Clampitt, J.E.** (2023). Performance Evaluation of Erosion and Sediment Control Practices. Master of Science Thesis, Auburn University, Auburn, AL
- 

#### **Funded Grants and Contracts:**

1. Perez, M.A. & **Clampitt, J.E.**, Impacts of Re-Nourishment or Accretion on Marsh Vegetation Survival. Water Resources Research Institute. \$25,000, 2023-2024
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#### **Outreach and Training:**

9. **Clampitt, J.E.** & Perez, M.A., Practical Implementation of Flocculant Application Techniques in Construction Erosion Control, International Erosion Control Association (IECA) Southeast Chapter, Clear Water Alabama, Dothan, AL, 25-26 September 2024
  8. **Clampitt, J.E.** & Perez, M.A., Interactive Demonstration and Discussion of Understanding Flocculant Application Techniques for Construction Site Erosion and Sediment Control, International Erosion Control Association (IECA), Innovative Erosion and Sediment Control Field Day at Auburn University Stormwater Research Facility, Opelika, AL, 45429
  7. **Clampitt, J.E.** & Perez, M.A., Lecture and Interactive Training for Understanding Flocculant Application Techniques for Construction Site Erosion and Sediment Control, International Erosion Control Association (IECA), Hands-On Installer Training Workshop at Auburn University Stormwater Research Facility, Opelika, AL, 13-14 May 2024
  6. **Clampitt, J.E.** & Perez, M.A., Demonstration of Flocculant Application Techniques on Construction Sites, International Erosion Control Association (IECA) Southeast Chapter, Clear Water Alabama, Florence, AL, 19-21 September 2023
  5. **Clampitt, J.E.** & Perez, M.A., Interactive Demonstration and Discussion of Flocculant Use and Application Techniques on Construction Sites for Erosion and Sediment Control, International Erosion Control Association (IECA), Innovative Erosion and Sediment Control Field Day at Auburn University Stormwater Research Facility, Opelika, AL, 45064
  4. **Clampitt, J.E.** & Perez, M.A., Lecture and Interactive Application Training for Flocculant Use and Application Techniques on Construction Sites for Erosion and Sediment Control, International Erosion Control Association (IECA), Hands-On Installer Training Workshop at Auburn University Stormwater Research Facility, Opelika, AL, 16-17 May 2023
  3. **Clampitt, J.E.** & Perez, M.A., Flocculant Use on Construction Sites Application Demonstration, International Erosion Control Association (IECA) Southeast Chapter, Clear Water Alabama, Daphne, AL, 20-22 September 2022
  2. **Clampitt, J.E.** & Perez, M.A., Interactive Demonstration and Discussion of Wattle and Silt Fence Ditch Checks for Erosion and Sediment Control, International Erosion Control Association (IECA), Innovative Erosion and Sediment Control Field Day at Auburn University Stormwater Research Facility, Opelika, AL, 44700
  1. **Clampitt, J.E.** & Perez, M.A., Lecture and Interactive Training for Wattle and Silt Fence Ditch Check Installations for Erosion and Sediment Control, International Erosion Control Association (IECA), Hands-On Installer Training Workshop at Auburn University Stormwater Research Facility, Opelika, AL, 17-18 May 2022
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## REFERENCES:

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**Dr. Michael Perez**

Research Advisor at Auburn University, Auburn, AL

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