

CALL FOR STUDENT POSTERS - UPRM ASABE Conference Day

Wednesday, January 11, 2023, Dept. of Civil Engineering and Surveying, UPRM

The **American Society of Agricultural and Biological Engineers (ASABE)** presents the “**International Symposium on Soil Erosion Research under a Changing Climate**”, a decennial **ASABE Soil Erosion Research Symposium** to be held at Punta Borinquen Resort , Aguadilla , Puerto Rico, USA. A 1-day Symposium program will be held at **UPRM**.

TOPIC RELEVANCE: Soil erosion caused by wind and/or water is a continuing problem throughout the world that threatens the capacity of the Earth to produce food, fiber, and renewable sources of energy for an ever-increasing population. Additionally, eroded sediment and agricultural chemicals are major water and air pollutants, causing many detrimental off-site impacts. Compounding the erosion problems are the effects of climate change. Warmer air temperatures increase ocean water temperatures that can result in larger and more severe storms and hurricanes. For example, Puerto Rico was devastated by Hurricane Maria in September 2017, with 2900+ fatalities, as well as infrastructure and erosion damages across the island. This symposium provides a forum for international participants to discuss the status and future of soil erosion research. As part of the Symposium and the special one- day program at the University of Puerto Rico – Mayaguez (UPRM), the conference and the UPRM Coastal Resilience Center are hosting a student poster session and competition, open to all students at UPRM or students participating in the full Symposium.

POSTER TOPIC AREAS: Topics include but are not limited to the following (other related areas but relevant to the main conference topics are also welcome):

Soil Erosion by Water Research; 2. Soil Erosion by Wind Research; 3. Erosion Control Research; 4. Coastal Zones and Soil Erosion: Dynamics, Mechanics and Damages; 5. Conservation Innovations on Steep Lands in the Tropics to Avoid Erosion; 6. Impacts of Climate Change on Soil Erosion; 7. Soil Erosion's Impact on Water and Air Quality; 8. Modeling of Agricultural Systems and Erosion Prediction; 9. Modeling Erosion Processes in Forests and Agroecosystems at Watershed and Basin Scales; 10. Remote Sensing and Geospatial Technology in Erosion Quantification and Prediction; 11. Hurricane Effects on Erosion and Water Quality; 12. Emerging Technologies in Soil Erosion Research; 13. Watershed Scale Soil Conservation; 14. Measurement Techniques in Soil Erosion Research; 15. Historical Soil Erosion Research in Puerto Rico; 16. Other Topic from Student's Area of Study or Interest. 16. Others related areas

PROGRAM DEADLINES:

1. Call for student poster proposal abstracts.....June 15, 2022
2. Submission of poster proposal abstracts.....September 15, 2022
3. Poster PDFs for printing sent to UPRM.....December 1, 2022
4. Symposium in Puerto Rico..... January 8-13, 2023
5. Poster session & judging at UPRM..... January 11, 2023

AWARDS:

The top three student posters will be awarded prizes in the amounts of \$300 (first place), \$200 (second place), and \$100 (third place), as well as certificates from the Symposium recognizing their accomplishment. The posters will also continue to be displayed in the UPRM Civil Engineering and Surveying Department.

INCENTIVES FOR PARTICIPATING UPRM STUDENTS: For graduate or undergraduate students at UPRM, that are only planning to participate at the 1-day program there on Wednesday, January 11, registration for that day will be covered by the UPRM Coastal Resilience Center. Maximum number of local UPRM students that can participate that day is limited to 50, so we recommend that you submit your abstracts as soon as possible to the Symposium Program Chair before September 15, 2022. UPRM students not presenting posters can also attend and participate at the 1-day program at UPRM on January 11, 2023, but total student day registrations that can be covered by the Coastal Resilience Center are limited to 50, with those presenting posters given priority.

- For more information on the student poster session contact: Dr. Johnny Grace, Program Chair, email: johnny.m.grace@usda.gov, phone : (850) 412-7383.
- For more information on the 1-day symposium program at UPRM, contact: Ismael Pagán Trinidad, Director, Civil Engineering and Surveying Department, UPRM, email: posterabse2022@uprm.edu, Phone: (787)265-3815.
- For general information on the overall ASABE Soil Erosion Research under a Changing Climate symposium, contact: Dr. Dennis Flanagan, Symposium Chair, email: flanagan@purdue.edu, Phone: (765) 494-7748.
- Information on the ASABE erosion research symposium is available at <https://asabe.org/Events/Soil-Erosion-Research-under-a-Changing-Climate>

For detailed information on the Student Poster Guidelines, please visit: <https://www.uprm.edu/inci/posterabse>