

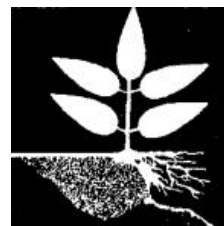


Presents

*Student Poster
Abstracts due
September 15,
2022*

*Posters judged
January 11, 2023*

International Symposium on Soil Erosion Research under a Changing Climate



A decennial ASABE Soil Erosion Research Symposium

January 8-13, 2023
Punta Borinquén Resort
Aguadilla, Puerto Rico, USA

Co-sponsors include:



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NRCS
Natural Resources Conservation Service



COASTAL RESILIENCE CENTER
A U.S. Department of Homeland Security Center of Excellence

Call for Student Posters

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.

SPONSORED BY:



The American Society of Agricultural and Biological Engineers (ASABE)

Co-sponsors:

- United States Department of Agriculture
 - Agricultural Research Service
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- University of Puerto Rico – Mayaguez
 - Civil Engineering & Surveying Dept.
 - Agricultural and Biosystems Engineering Dept.
- United States Department of Homeland Security
 - UPRM - Coastal Resilience Center

POSTER TOPIC AREAS:

1. 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

POSTER ABSTRACT SUBMISSION:

In order to participate in the poster session and competition, we ask that you submit a full 1-page extended abstract in English. It should be approximately 400-600 words, single-spaced and must emphasize objectives and results. Figures, tables and references can also be included in this abstract, and it will be included in the symposium book of abstracts in a special student section. An example extended abstract document for the poster competition accompanies this call for submissions, and can also be obtained from the Program Chair. Please submit your abstract in the proper format as a Word document to Dr. Johnny Grace, ASABE Symposium Program Chair, email: johnny.m.grace@usda.gov by September 15, 2022 at the latest.

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 & Surveying Department.

POSTER DIMENSIONS & PRINTING

Posters should be in English, and sized as 24" high x 36" wide (61 cm x 91 cm), and the final electronic document sent as a PDF file to be printed at UPRM prior to the meeting (deadline for poster submission is December 1, 2022). Poster submissions should be sent to Prof. Ismael Pagán-Trinidad, Director, Civil Engineering and Surveying Dept, UPRM, email: posterasabe2022@uprm.edu.

ADDITIONAL NOTES TO STUDENTS:

Participation in the student poster session and competition at UPRM on January 11, 2023 requires registration, either for the entire ASABE Soil Erosion Research Symposium, or for the one-day event at UPRM only.

If a student has already submitted an abstract to the Symposium prior to this announcement, they only need to inform the Program Chair, Dr. Johnny Grace, that they are a student and would like for their symposium presentation to be poster format, and part of the UPRM day student poster session and competition. They will be expected to submit by September 15, 2022 either their full proceedings paper (up to 8 pages, including the front 1-page extended abstract), or minimally a full 1-page extended abstract following the requested format at the ASABE symposium submission website. They will be expected to participate in the full week symposium, and pay the regular symposium student registration fee by the October 1, 2022 deadline.

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.

Posters and any student interactions with judges should be in English and include information on how the presentation relates to one of the Soil Erosion Symposium thematic areas. The presentation should clearly present how the subject (and/or non-traditional majors/disciplines) interfaces/intersects with natural resources and the environment, soil erosion, and/or climate change. An example of the poster judging score sheet is also available.

The tentative program for Wednesday, January 11, 2023 includes:

1. Keynote presentation by Dr. Rafael Bras, Georgia Tech Univ.
2. Student poster session & judging
3. Dr. Stephen Hughes & Alesandra Morales, UPRM Faculty
4. Dr. Jorge Rivera Santos & Dr. Walter Silva, UPRM Faculty
5. LUNCH
6. Dr. Ian Floyd, U.S. Army Corps of Engineers, Vicksburg, MS
7. Dr. Gary Brown, U.S. Army Corps of Engineers, Vicksburg, MS
8. Dr. Tate McAlpin, U.S. Army Corps of Engineers, Vicksburg, MS
9. Dr. Carlos Ruiz & Patrick Deliman, U.S. Army Corps of Engineers, Vicksburg, MS
10. Dr. Eric Harmsen & Alicia Tyson, UPRM Faculty
11. Student poster session award presentation

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: Prof. Ismael Pagán-Trinidad, Director, Civil Engineering & Surveying Department, UPRM, email: posterasabe2022@uprm.edu, phone: (787) 832-4040 ext. 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>