



Student Sustainability Summit

@ University of Maryland College Park
Benjamin Banneker A Room in Stamp Student Union
April 13, 2023 (2 pm - 5 pm EDT)

2 pm -3 pm Sustainable Development

Policies and regulations surrounding sustainable buildings (2:00 pm - 2:40 pm)

Sustainability Manager, Design and Construction - University of Maryland

Martha Shrader

3 pm -4 pm Life on Earth

Remote sensing, water quality data with satellite images (3:00 pm - 3:40 pm)

Program Specialist, Chesapeake Water Watch, Smithsonian Environmental Research Center

Shelby Brown

Impact of Soil pH on Sunflower Growth (3:40 pm - 4:00 pm)

Frederick County HS

Advait Anilal

4 pm -5 pm Climate Action

Carbon management technologies and the road to net zero (4:00 pm - 4:40 pm)

Solutions Fellow, Center for Climate and Energy Solutions (C2ES)

Mahmoud Abouelnaga

Exploration Of a Novel Carbon Dioxide Removal Option: Lighting Up Tropical Forests at Night (4:40 pm - 5:00 pm)

Graduate Student, Department of Geographical Sciences - University of Maryland

Xueyuan (Eric) Gao



Student Sustainability Summit

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Charles Carroll Room in Stamp Student Union
April 13, 2023 (1 pm - 5 pm EDT)

1 pm - 2 pm **Alternative energy**

Microbial digestion, conversion of waste into energy (1:00 pm - 1:40 pm)

Assistant Research Scientist, College of Agriculture & Natural Resources - University of Maryland
Dr. Amro Hassanein

2 pm - 3 pm **Sustainable Development**

Sustainable architecture (2:00 pm - 2:30 pm)

Principal/Director of Sustainability, Floura Teeter Landscape Architects
Zolna Russell

Sustainable food systems (2:30 pm - 3:00 pm)

Assistant Research Professor, Department of Anthropology - University of Maryland
Dr. Caroline Boules

3 pm - 4 pm **Climate Action**

Policy and legislation on clean air, water, public health, climate action (3:00 pm - 3:40 pm)

Maryland Chapter Chair, Sierra Club
Rosa Hance

4 pm - 5 pm **Climate Action**

Careers in environmental law and sustainability (4:00 pm - 4:40 pm)

Principal Lecturer, Environmental Science and Policy Program - University of Maryland
Joanna Goger

Community Values and Labor Archetypes during Transitions, from Yankee Whaling to Gulf Energy (4:40 pm - 5:00 pm)

Graduate Student, Department of Anthropology - University of Maryland
Jessica Staggs

5 pm - 6 pm **Workshop:- Solar Power Solutions: Designing Effective Solar Panel Systems**

6 pm - 7 pm **Panel Discussion:- Building the Next Generation of Environmental Justice Leaders: Insights from Trailblazers in the EJ Movement**



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Colony Ballroom in Stamp Student Union
April 13, 2023 (4 pm - 7 pm EDT)

Using Machine Learning and Earth Observation to Predict on Crop Yields in Kenya

University of Maryland, College Park
Alana Ginsburg

Reclaiming your Cardboard: Sustainable Gardening Practices

Global Co Lab: Zero Hunger Hub
Rebecca Donovan, Sky West, Dylan Brown

Real Time Tracking and Enumerating of Flying Bees using an Event Based Vision Sensor

University of Maryland, College Park
Rohan Mathur

Electric On The Run!

Urbana High School
Gayatri Karra

Acoustic Bat Survey of Plummers Island

University of Maryland, College Park
Teddy Jorgensen

Impact of Soil pH on sunflower growth

Frederick County HS
Advait Anilal

Sustainable Generation of HHO

Takoma Park Middle School
Thomas Chon

AntiBloom: A Novel Deep Learning-Powered Harmful Algal Bloom (HAB) Prediction Device

Poolesville High School
Neel Bhattacharyya, Jay Wankhede