

Social Science & Policy Studies

POSTER SESSION

9:30am to 1:00pm

Salisbury Labs 411

Psychological & Cognitive Sciences

Rest Periods as a Buffer for Cortisol Reactivity to Unexpected Stress: An Experimental Study

Mikayla Prue & McKenzie Anderson

Advisors: Angela Incollingo Rodriguez, Stacy Shaw

Perceptions of Microaggressions Among Black Students at WPI: A Semi-Structured Interview Study

Alexander D. Scott

Advisor: Jim Doyle

Predicting Students' Mental Health Using Facial Expression Data

Dale Asante

Advisors: Kaitlyn Schneider, Shichao Liu, Oren Mangoubi

Viability of *Artemisia sp.* and Artemisinin Treatment on *Caenorhabditis elegans* Modeling Neurodegenerative Disease

Meghan Urakawa

Advisors: Kaitlyn Schneider, Pamela Weathers

Neurophysiological Correlates of Social Feedback on a Mock Social Media Platform

Brianna Romero

Advisor: Richard Lopez

The Influence of Motivation and Group Identity on Implicit and Explicit Attitudes Toward Women in STEM

Brenna Pfisterer

Advisor: Jeanine Skorinko

Improving Well-Being and Reducing Stress Through Gratitude and Serenity Journaling

Ashley MacGilvray, Assumption University

Advisor: Maria Parmley, Assumption University

Using Retrieval Practice to Learn and Apply Principles of Cognitive Behavioral Therapy

Danny Portillo, Assumption University

Advisor: Leamarie Gordon, Assumption University

How Caregiving Experience Affects Responding to Infant Crying

Abigail Block and Lorilei Jones, Assumption University

Advisor: Nicole Pantano, Assumption University

Under Pressure: How Extracurricular Activities Influence Anxiety and Depression in Students

Claire Thomassen, Assumption University

Advisor: Hannah Smith, Assumption University

Technology, Policy & Sustainability

Enzymatic Soil Stabilization

Alexander Pantoliano

Advisors: Robert Krueger, Nima Rahbar

Policy Analysis with Generative AI: Harnessing Language Models and System Dynamics for Deeper Insights

Luca Makarushka-Napp, Elizabeth McGinn,

Meenakshi Meyyappan, Michael Alicea, Romish

Khatri, Hongye (Phoebe) Li

Advisors: Crystal Brown, Oleg Pavlov, Xiaozhong

Liu, Raha Moraffah

Future Implications of Using Artemisia Species as Anticancer Therapies

Anna Wix, Amber Powell

Advisors: Elisabeth Stoddard, Jill Rulfs, Mike Buckholt

Interventions for Strengthening Resilience to Extreme Heat in Worcester, Mass.

Julia Silvestrone

Advisor: Stephen McCauley

Phylogeographic and Invasion History of Crayfish (*Faxonius virilis*) in North America

Gavin Burkhardt, Hannah Edlund, Stephanie Brownell, Norah Giles, Karyn Manning, Olivia Spielberger

Advisor: Lauren Mathews

Stormwater Mitigation through Green Infrastructure at WPI

Ella Moreau, William Crawford, Caitlyn Dasaro, Mickey Mikitarian, Tanner Thatcher

Advisor: Paul Mathisen

Feasibility of Phytoremediation to Improve Water Quality of Salisbury Pond

Abigail Morris, Emily Graves, Josephine Fazio, Sydney Kerivan

Advisors: Elisabeth Stoddard, Jeanine Duple

A Guide for New Small-Scale Oyster Farmers: Understanding Strategies to Improve Environmental Sustainability and Economic Feasibility

Tionge Nakazwe, Angela Tarantino, Mengqi Hong, Angela Kroi, Jadon Thomas

Advisors: Elisabeth Stoddard, Adrienne Hall-Phillips

Investigating Soil Amendments for Mycoremediation of Heavy Metals in Soil

Paige Agostini, Val Corrente, Mya Darrow

Advisors: Elisabeth Stoddard, Stephen Kmietek, John Bergandahl

Healthy Plates, Healthy Planet: Developing Interactive Games on Food and the Environment in Thessaloniki

Jacob Friend

Advisors: Elisabeth Stoddard, Melissa Butler

Investigating the History of Human-Beaver Conflict in North America

Hildegard McCorkell, Mateo Blumenthal, Lydia

Ponomarenko, Laura Romania

Advisor: Jeanine Duple

Environmentally Friendly Recycling of E-Wastes

Jesse Frey, David Fitzgerald, Louis Heck

Advisors: Elisabeth Stoddard, Jianyu Liang

What do WPI Students Know about Personal Finance?*

Aedan Bingham

Advisor: Alexander Smith

**Independent Study*