

Thank you for joining the Third Annual International Graduate Student Showcase at the University of Rhode Island. The purpose of this Showcase is to celebrate not only the quality and diversity of international graduate student scholarship across the University, but also the sharing of perspectives and life experiences that enrich our community. There are currently over 300 international graduate students enrolled at URI from over 60 different countries, pursuing Ph.D., Master's, and professional degrees in departments throughout the University.

Posters in the Showcase reflect the variety of international students' academic interests with projects ranging from the impact of sea level rise in Rhode Island to an analysis of social welfare programs, to cervical cancer screenings. Conversations with student presenters provide an opportunity not only to gain a technical understanding of their poster topics, but also a global perspective on the importance of their field and, in some cases, a greater appreciation of places far from Rhode Island.

Enjoy the Showcase!

### **PROGRAM**

- 9:00 AM Opening Ceremony
- 9:30 AM Poster Session Begins
- 10:00 AM Virtual Presentations
- 11:30 AM Closing Ceremony & Awards

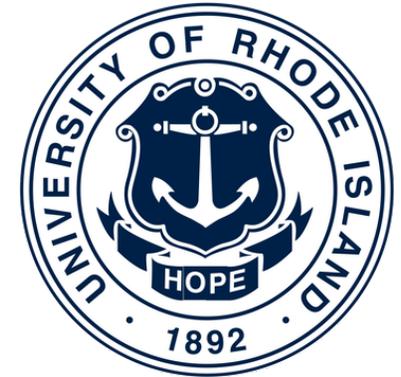
ORGANIZED IN  
PARTNERSHIP WITH

The Global Initiatives Office,  
The Graduate School,  
The College of the Environment  
and Life Sciences,  
&  
The Office of International  
Students and Scholars

Scan to learn more about the  
International Graduate Student Showcase



THIRD ANNUAL  
**INTERNATIONAL  
GRADUATE STUDENT  
SHOWCASE**



April 30, 2025  
Kingston, RI

## PROJECTS

### **Understanding Bidi Smoking Among India's Day Laborers: Scale Development and Risk Profile Analysis**

By Mariyam Abbas, Ph.D. in Health Sciences  
Poster Number: 01

### **Ingestive behaviors of hard and soft foods as assessed by video analysis and universal eating monitor**

By Adeleke Justin Akinkurolere, M.S. in Nutrition  
Poster Number: 02

### **Novel Methods for Oxidation of Aromatic Alcohols and Amines: Sustainable Thermal and Photochemical Approaches**

By Omid Ghasemloo, Ph.D. in Chemistry  
Poster Number: 03

### **Impact of Sea Level Rise and Climate Change on Coastal Aquifers: Case Study Southern Rhode Island**

By Mamoon Ismail, Ph.D. in Biological & Environmental Sciences  
Poster Number: 04

### **The Role of Feminine Honor Values and Childhood Adversity in Life History Orientation among Women**

By Karen Kandalajt, Ph.D. in Behavioral Science  
Poster Number: 05

### **Development of a Flood Model for the Acai River, Jayapura, Papua Using the HEC-RAS 1-D Model**

By Andreas Karma, M.S. in Biological and Environmental Sciences  
Poster Number: 06

### **Cardio-Pulmonary Responses to Incremental Exercise Test in Young Adults with History of Preterm Birth are Similar to Normal Gestational Age Peers**

By Shayan Khodabakhsh, Ph.D. in Health Sciences  
Poster Number: 07

### **Low-Value Cervical Cancer Screening**

By Juyoung Kim, Ph.D. in Nursing  
Poster Number: 08

### **Understanding the Accessibility of Single-User Virtual Reality Environments for Adults with Intellectual and Developmental Disabilities**

By Priyankan Kirupaharan, Ph.D. in Computer and Statistical Sciences  
Poster Number: 09

### **Clothing/Apparel Branding and its Effects on Consumer Purchase Intentions in Accra, Ghana**

By Rebecca Kpoor, M.S. in Textiles, Fashion Merchandising, and Design  
Poster Number: 10

### **Effect of early life exposure to lipid-based nutrient supplements on pubertal hormones at 9-11 years of age**

By Evelyn Mensah, Ph.D. in Nutrition  
Poster Number: 11

### **Stakeholders' perspectives on underutilization of WIC: A qualitative study**

By Ophelia Mensah, Ph.D. in Nutrition  
Poster Number: 12

### **Content Engagement Strategies for African Cultural Fashion Brands on Instagram**

By Ruth Nangeh Najel, M.S. in Textile Marketing and Design  
Poster Number: 13

### **Cooperative Deterministic Learning-Based Formation Control for a Group of Nonlinear Mechanical Systems Under Complete Uncertainty**

By Maryam Norouzi, Ph.D. in Mechanical Engineering  
Poster Number: 14

### **Activity of V3 Neurons in Swing and Stance Phases of Fictive Locomotion and in Fictive Scratching**

By Oluwatobi Opesade, Ph.D. in Interdisciplinary Neuroscience  
Poster Number: 15

### **Assessing the Risk of Neurodevelopmental Disorders in Children Prenatally Exposed to $\beta$ -Lactam Antibiotics**

By Marianna N. Otoo, Ph.D. in Pharmaceutical Sciences  
Poster Number: 16

### **Ballot Rejections Reasons in the Vote-by-Mail Process - A California Case Study**

By Leonie Otte, Ph.D. in Industrial & Systems Engineering  
Poster Number: 17

### **Electric Vehicle Battery Recycling Optimization with Blockchain Technology Under Uncertain Demand Projections**

By Ali Raoufi, Ph.D., Operations and Supply Chain Management  
Poster Number: 18

### **Using Magnetic Nanoparticles for Targeting Bacterial Biofilms**

By Mastoureh Shirjandi, Ph.D. in Chemical Engineering  
Poster Number: 19

### **Ultrafast Coherent phonon dynamics in Strontium titanate single crystal**

By Helani Sngapurage, Ph.D. in Physics  
Poster Number: 20

### **Evaluating Hydroclimatic Trends of Pawtuxet River in Rhode Island**

By Marike Tenawe, M.S. in Biological Environmental Science  
Poster Number: 21

### **Evaluating Dry Electrodes and Bioinstrumentation for Wearable Arm ECG acquisition**

By Suparna Veeturi, Ph.D. in Electrical Engineering  
Poster Number: 22

### **Marine Resource Conservation and Management in Rote Island, Indonesia: Local Community Perspectives and Conservation Challenges**

By Nara Wisesa, Ph.D. in Marine Affairs  
Poster Number: 23

### **Brief Diet Screener for Cardiovascular Risk Reduction and Stroke Recurrence Prevention: Development and Validation**

By Qisi Yao, Ph.D. in Health Sciences  
Poster Number: 24