

**Undergraduate Research Symposium
Schedule
April 1-4, 2024**

**Monday April 1st
Beginnings**

Celebrate our VSU Freshman Scholars

3:00 pm Opening
www.valdosta.edu/urc



First-Year Lear Learning Communities (FLCs) provide students an opportunity to begin their college experience with other students who share similar interest and career objectives. This video project represents the first steps into research at the university level. Congratulations Scholars!

**Tuesday April 2nd
Oral Presentations
On-Site
Student Union Theater**

9:30-10:45

Moderator: Dr. Anne Price, Sociology

*An Evaluation of the Antibacterial Efficacy of
Various Ethnomedicinal Plants*

Ashton Z. Abbott

Sponsor: Dr. Gopeekrishnan Sreenilayam
College of Science and Mathematics, Chemistry



*Exploring the Expression of the Sentiment of Enamoramiento in
Literary and Musical Works Through Various Movements in Spain*

Sophia A. Newcamp

Sponsor: Dr. Grazyna Walczak
College of Humanities and Social Sciences, Modern and Classical Languages

21st Century Cyborg

Tage Joseph France

Sponsor: Dr. Shelly Yankovskyy
College of Humanities and Social Sciences, Anthropology

11:00-12:15

Moderator: Ahana Roy Choudhury

Mathematical Model for Death 30 Days after a Heart Transplant

Yasmene T. Williams

Sponsor: Dr. Andreas Lazari

College of Science and Mathematics, Applied Mathematics and Physics

Predicting Corpus Collasum Surface Area

Timothy M. Smith

Sponsor: Dr. Andreas Lazari

College of Science and Mathematics, Applied Mathematics and Physics

Genome Sequencing of the Invasive Mussel *Mytella charruana*

J.C. Adams

Sponsor: Dr. Cristina Calestani

College of Science and Mathematics, Biology

X-Ray Imaging of Siliques and Seeds from *Arabidopsis thaliana*

Nashay E. Brooks

Sponsors: Dr. Ted Uyeno and Dr. Ansul Lokdarshi

College of Science and Mathematics, Biology



1:00-2:15

Moderator: Kelley Parker MSN RN, Nursing

***Aspect Analysis: A In-Depth Look at the Interrelation of
Music-Related Variables***

Tristin Sahagun

Sponsor: Dr. Andreas Lazari

College of Science and Mathematics, Applied Mathematics and Physics



A Tangled Web: The Murdaugh Family and the Southern Political Network

William Ellis Davis

Sponsor: Dr. James LaPlant

College of Humanities and Social Sciences, Political Science

***Testing the Acoustic Adaptation Hypothesis:
Anuran Signal Transmission at Different Heights***

Jewell Johnson

Sponsors: Dr. John Phillips and Dr. Erin Grabarczyk

College of Humanities and Social Sciences, Modern and Classical Languages

***Harnessing the Power of Social-Emotional Learning (SEL) in
Elementary Classrooms: Strategies for Educators***

Cassidy M. Huebener

Sponsor: Dr. Forrest Parker

James L. and Dorothy H. Dewar College of Education and Human Services,
Teacher Education

**3:30-5:00
Debate**

Moderator: Dr. Michael H. Eaves, Communication Arts

President Biden's Policy is on Track

**Affirmative: Gabbi Lorentz
Negative: Aaliyah Drayton**



6:00-8:00

Student Union Theater

Moderator Dr. Sarah FitzGerald, History

Burt W. Griffin

Warren Commission Assistant Counsel

JFK, Oswald, and Ruby: Politics, Prejudice, and Truth



Former Warren Commission lawyer Burt Griffin examines anew the Kennedy assassination, its various investigations, its effects on the Cold War and the civil rights movement, and the motives of Lee Harvey Oswald and Jack Ruby. Griffin begins with his own skeptical reaction to the assassination, proceeds to the Dallas police investigation, and continues with the efforts of himself and his colleagues to sift truth from those who concealed, withheld, or exaggerated evidence.

Book Signing after Presentation—Free Copies first 45 Students. Or, a copy at the VSU Bookstore and bring your copy.

10:00-10:50

Moderator: Dr. Chia-Ling Ho, Communication Arts



The Effect of Distance from College Campus on Student Grades for Traditional and Non-traditional Students

Victoria Emma Hilton

Sponsors: Dr. Ellis S. Logan and Dr. Anne Price
College of Humanities and Social Sciences, Sociology

Soul Food: A Transformation into Modern History

Isabelle F. Reimer

Sponsor: Dr. Melanie Byrd
College of Humanities and Social Sciences, History

Dirt Bike

Alexander S. Jaramillo

Sponsor: Dr. Andreas Lazari
College of Science and Mathematics, Mathematics



11:00-11:50

Moderator: Dr. Billy Quarles, Astronomy and Physics

Social Media and Mental Health

Trinity Williams

Sponsor: Dr. Ellis S. Logan

College of Humanities and Social Sciences, Sociology



Cultural importance of De'VIA art

Grayson J. Friedman

Sponsor: Dr. Lavonna Lovern

College of Humanities and Social Sciences, Interdisciplinary Studies



Modeling the Orbital Dynamics of Super Earth Kepler-62f

Jordan Hewins, Ian McLean and Jasmine Freeman

Sponsor: Dr. Billy Quarles

College of Science and Mathematics, Applied Mathematics and Physics

12:00-12:50

**Pizza Lunch for Presenters and Sponsors
Student Union Ballrooms**



1:00-1:50

Spotlight: Music

Moderator: Dr. A.J. Ramirez, Women and Gender Studies

*Philipp Scharwenka's Trio for Violin and Viola and Piano in E Minor,
OP.121.Movement 1*

Benjamin L. Suarez, Sergio A. Sabillon and Erick M. Rubio
Sponsor: Dr. Joshua Pifer
College of Arts, Music

Piano Quartet in E-flat Major, K.493, II. Larghetto by W.A. Mozart

Kevin Juarez, Alysia D. Johnson, Dylan Hieb-Schatzberg and Anthony Shands
Sponsors: Dr. Joshua K Pifer and Prof. Xin-Yu Chang
College of Arts, Music

Florence Price: Adoration and the Lost Catalogue

Alysia D. Johnson
Sponsor: Dr. Kristin Pfeifer Yu
College of Arts, Music



2:00-2:50

Moderator: Dr. Tom Aiello, History



***Exploring Uncharted Realms: Discovering Exoplanets via
Transit Analysis with TESS***

Jasmine Freeman

Sponsor: Dr. Douglas Caldwell

College of Science and Mathematics, Applied Mathematics and Physics

***The Katyn Massacre: Censorship, Discursive Cleansing, and
Suppression of Information in the U.S.***

Izabella R. Ramaker

Sponsor: Dr. Sebastian Bartos

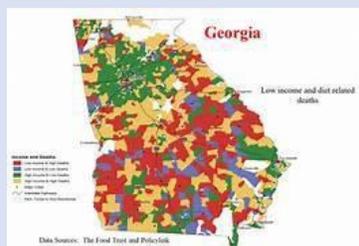
College of Humanities and Social Sciences, History

Food Desert Epidemic: Albany, GA's Failure to Thrive

Demetria A. Wright

Sponsor: Dr. Philip Storey

College of Humanities and Social Sciences, Sociology



3:00-3:50

Moderator: Dr. Ophelie Desmet, Educational Psychology

***Exploring Kepler 62f's Climate Dynamics through an
Energy Balance Model***

Ian McLean

Sponsor: Dr. Billy Quarles

College of Science and Mathematics, Applied Mathematics and Physics



***Fostering Student Empowerment and Community Engagement: The Impact of Student-led
SWAP Programs on Underrepresented College Student Success***

Adalyn Watkins, Ramyia Hemphill, Alexa Driskell,
Ailiyah Williams, Jalacia Outlaw and Trevor Kinlaw

Sponsors: Dr. Jamie Gilbert and Dr. Arrington Stoll
College of Arts, Communication Arts

History Talent Development

Rosieana Elizabeth Johnson

Sponsor: Dr. Ophelie Desmet

James L. and Dorothy H. Dewar College of Education and Human Services,
Human Services



4:00-4:50

Moderator: Darshi Patel, Biology

*Mitákuye Oyás'iy: An Analysis of Native North American
Cosmologies and Western Science*

Cecilia G. Kee

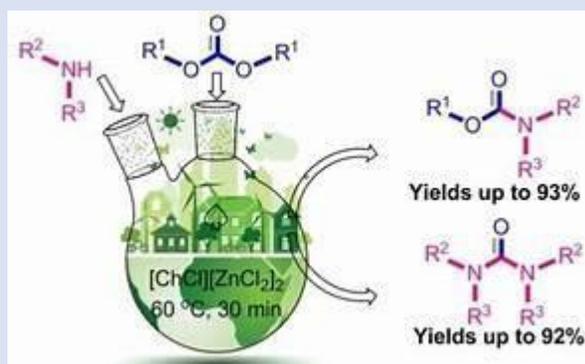
Sponsor: Dr. Shelly Yankovskyy
College of Humanities and Social Sciences,
Native American and Indigenous Studies

*Exploring Surface Temperature Dynamics and Habitability Potential:
Insights from a Daisy world Model on Kepler-62f*

Jasmine Freeman, Ian Mclean and Jordan Hewins
Sponsor: Dr. Billy Quarles
College of Science and Mathematics, Applied Mathematics and Physics

Deep Eutectic Solvents: A Home for Myoglobin Biocatalysis

Kaylee J. O'Quinn
Sponsor: Dr. Gopeekrishnan Sreenilayam
College of Sciences and Mathematics, Chemistry



Wednesday April 3rd

Webinar 9:30-10:45

Moderator: Dr. Ahana Roy Choudhury, Computer Science



An Intersection of Race and Religion: Teaching Social Studies under GA HB 1084

Archer K. Hathaway

Sponsor: Dr. Karen Terry

James L. and Dorothy H. Dewar College of Education and Human Services,
Teacher Education

House Bill 1084 and its Impact on Teaching and Discussing Topics Related to Race within Georgia's Public Schools

Corey L. Cox

Sponsor: Dr. Karen Terry

James L. and Dorothy H. Dewar College of Education and Human Services,
Teacher Education

Examining the Impact of House Bill 1084: Critical Race Theory in K-12 Classrooms

Macie H. Green

Sponsor: Dr. Karen Terry

James L. and Dorothy H. Dewar College of Education and Human Services,
Teacher Education

11:00-12:15

Moderator: Dr Michelle Ocasio, Modern and Classical Languages

(In)Evitable? Perspectives on Marriage Chez the 18th Century French Heroine

Lauren I. Mariah

Sponsor: Dr. Kelly F. Davidson

College of Humanities and Social Sciences, Modern and Classical Languages

***Kaleidoscopic Threads: Afro-Spaniards and Afro-Latinos
Cultural Impact on the Identity of Spanish-Speaking Societies***

Breanna N. Johnson

Sponsor: Dr. Grazyna Walczak

College of Humanities and Social Sciences, Modern and Classical Languages

***Las Cantigas de Santa Maria: Restoring the Virgin Mary's
Humanity through a Medieval Masterpiece***

Lauren I. Mariah

Sponsor: Dr. Grazyna Walczak

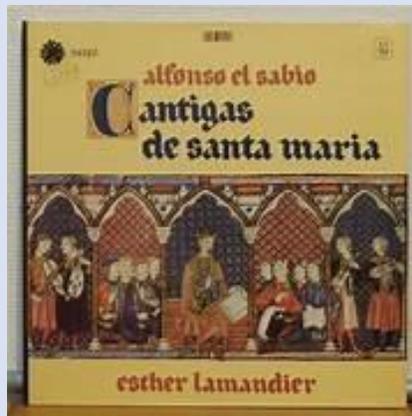
College of Humanities and Social Sciences, Modern and Classical Languages

***Statues and Monsters: The Hidden Mexican Identity in the
Story "Chac Mool"***

Yoav Golan

Sponsor: Dr. Ericka Parra

College of Humanities and Social Sciences, Modern and Classical Languages



1:00-2:15

Moderator: Dr. Grazyna Walczak, Modern and Classical Languages

Social Media and its Effects on E-Commerce

Alec J. Martin

Sponsor: Dr. Chunlei Liu

College of Science and Mathematics, Computer Science

Restructuring Education: Teaching Race with House Bill 1084

Kaemon R. Hursey

Sponsor Dr. Karen Terry

James L. and Dorothy H. Dewar College of Education and Human Services,
Teacher Education

Senegalese Literature

Sarah Jayroe

Sponsor: Dr. Kelly Davidson

College of Humanities and Social Sciences, Modern and Classical Languages

***The Bully Pulpit and Theodore Roosevelt:
How Spoken Word become Written Law***

Austin D. Peterson

Sponsor: Dr. Marc Pufong

College of Humanities and Social Sciences, Political Science



**3-Minute Video Contest
6:00-7:30 PM
Student Union Theater**

Moderator: Dr. Tom Aiello, History

Bringing Field Work into the Classroom with a Controlled Environmental Box for Outreach Training (CEBOT): An Experiential Learning Study

Morgan E. Wynn
Sponsor: Dr. Ansul Lokdarshi
College of Science and Mathematics, Biology

Deep Eutectic Solvents

Mason A. Griffin, Kaylee J. O'Quinn and David B. Vasquez
Sponsor: Dr. Gopeekrishnan Sreenilayam
College of Science and Mathematics, Chemistry

The Socioeconomics of a Country's Transformation from Developing to Developed Nations

Idara A. Essienmoh
Sponsor: Dr. Mohammad Movahed
Harley Langdale, Jr. College of Business Administration, Healthcare Administration

An Evaluation of the Antibacterial Efficacy of Various Ethnomedicinal Plants

Ashton Z. Abbott, Clayton J. Gall, Airionna Fordham and Krunal Patel
Sponsors: Dr. Gopeekrishnan Sreenilayam, Dr. Tolulope Salami and Dr. Xiaomei Zheng
College of Science and Mathematics, Chemistry

60- Second Videos for TIE Conest--Atlanta

Bryostatin: An Economical Approach to Synthesize a Prominent Pharmaceutical Age

Mickey Shery
Sponsor: Dr. Thomas Manning
College of Science and Mathematics, Chemistry

A Versatile Game to Familiarize Students of All Ages with New Topics

Kathrine Hollister
Sponsor: Dr. Thomas Manning
College of Science and Mathematics, Chemistry

Thursday April 4th
Oral Presentations
On-Site
9:30-10:45

Moderator: Dr. Charles Talor, Psychological Sciences

The Hypocrisy of The American Death Penalty in Literature

Evie L. Webb

Sponsor: Dr. Ubaraj Katawal
College of Humanities and Social Sciences, English



A Change in Rome: The 1527 Sack of Rome and Its Cultural and Political Consequences

Erik Marine

Sponsor: Dr. Sebastian Bartos
College of Humanities and Social Sciences, History

Linguistic Transfer: Application in an American Sign Language Cohort

Addeline S. Wright

Sponsor: Dr. Jennifer Beal
College of Honors

The Social Effect of Covid-19 on Children Born after 2019

Asia Brown

Sponsor: Dr. Ellis S. Logan
College of Humanities and Social Sciences, Sociology

11:00-12:15

Moderator: Dr. Gopeekrishnan Sreenilayam, Chemistry



Examining the Relationship between Watching Sports Programs and Feeling Stressed

Dylan Harvey

Sponsor: Dr. Chia Ling Ho

College of the Arts, Communication Arts

Myoglobin-Catalyzed Aerobic Cyclopropanation of Styrene in Deep Eutectic Solvents

Mason A. Griffin

Sponsor: Dr. Gopeekrishnan Sreenilayam

College of Science and Mathematics, Chemistry

Correlations Between Anthropometric Measures and Visceral Adipose Tissue in Reserve Officers' Training Corps Cadets

Madeleine R. Mayer

Sponsor: Dr. Mark Kasper

College of Nursing and Health Sciences, Exercise Physiology

1:00-2:15

Moderator: Dr. Ahana Roy Choudhury, Computer Science

***Exploring Hidden Talent: Identifying and Supporting Hard of Hearing
People's Talent Development***

Jenna, N. Herren

Sponsor: Dr. Ophelie Desmet

James L. and Dorothy H. Dewar College of Education and Human Services, Human Services

Martin Luther and Humanism

Philip C. Maddox

Sponsor: Dr. Sebastian Bartos

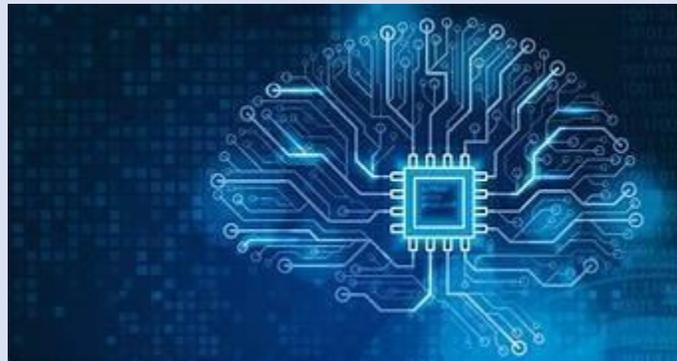
College of Humanities and Social Sciences, History

The Gifted Gamble

Makayla D. Weeks

Sponsor: Dr. Forrest Parker

James L. and Dorothy H. Dewar College of Education and Human Services, Education



A Machine Learning Analysis on the Unemployment Rates in the U.S.

Callie N. Reid

Sponsor: Dr. Velez-Marulanda

College of Science and Mathematics, Applied Mathematics and Physics

2:30-3:45

Moderator: Dr. Marc Pufong, Political Science

All Power to the People: Ideas and Beliefs of the Black Panther Party

Jalen L. Mercer
Sponsor: Dr. Melanie Byrd
College of Humanities and Social Sciences, History

Roots of Understanding: Exploring Etymology's Impact on Language Acquisition

Olesia Kutuzova
Sponsor: Dr. Blaine Browne
College of Humanities and Social Sciences, Psychological Science; English

Long-term Effects of Emotional Abuse in Wildwood by Junot Diaz

Skylar P. Morris
Sponsor: Dr. Ubaraj Katawal
College of Humanities and Social Sciences, English

***Seasonal Population and Ongoing Morphometric Analyses of Wild Dwarf Seahorses
(Hippocampus zosterae)***

Diah Brown and Paige Bland
Sponsors: Dr. Emily Rose
College of Science and Mathematics, Biology



Poster Presentations/Reception

Student Union Ballrooms

6:00-7:30

Awards

7:30



Poster Participants

Acoustic Properties of Connected Speech

Stephanie G. Lopez and Ashtyn L. Ray
Sponsor: Dr. Matthew Carter
Dewar College of Education, Communication Sciences and Disorders

Addiction by Design: Strategies in Modern Game Development

Chad Calhoun, Andrew Lind Tucker and Tyler Young
Sponsor: Dr. Sudip Chakraborty
College of Science and Mathematics, Computer Science

Analysis of Autonomous Vehicles in Public Transit

Jacob Bruch, Meghan Schofield, Chris Le, Makayla Horner,
Michael Williams, Diamond Jennings and Jahkaylah Rogers
Sponsor: Dr. Jia Lu
College of Science and Mathematics, Chemistry & Geosciences

A New Drug and a Pitch Contest

Thomas E. Wilson, Micky K. Sherry and Jalon W. Palmer
Sponsor: Dr. Thomas Manning
College of Science and Mathematics, Chemistry and Geosciences

Applications of CAD, 3D Printing and Machine Design/Control

Rode O. Peter
Sponsors Dr. Quinsong Cui and Dr. Barry Hojjatie
College of Science and Mathematics, Computer Science and Engineering Technology

AVL Tree Spellchecker

Hayden R. Dunlap, Bryan Godinez Jimenez, Jaehun Hong and Dhrumil Patel
Sponsor: Dr. Anurag Dasgupta
College of Science and Mathematics, Computer Science

Beyond Wins and Losses: The Effect of Gender Dynamics and Leadership on Collegiate Athletic Team Success

Mackenzie Branch
Sponsor: Dr. Ellis S. Logan
College of Humanities and Social Sciences, Sociology

***Bioactive Excipients for Increase the Efficacy of Antibiotics,
Cancer Drugs and Antivirals for Pox Viruses***

Capri Persaud and Akshil Patel
Sponsor: Dr. Thomas Manning
College of Science and Mathematics, Chemistry and Geosciences

Black Pill Culture and Toxic Masculinity

Kianna Moore
Sponsors: Dr. Ellis S. Logan and Mx. Rob Taylor
Humanities and Social Sciences, Sociology

***Building Strong Foundations: Enhancing Teacher Preparation
Programs for Empowered Educators***

Jeff Benjamin
Sponsor: Dr. Lavonna Lovern
College of Humanities and Social Sciences, Philosophy

Carotenoid Extraction using Deep Eutectic Solvents

Fiona C. Brightman
Sponsors: Dr. Alexandrina L. Focsan and Dr. Gopeekrishnan Sreenilayam
College of Science and Mathematics, Chemistry

***Coffee Conservation: Using Passive Acoustic Recordings to Identify Singing
Birds on Coffee Farms in Brazil***

Marianoelle Rivera, Chayla Lopez and Ryley Kleive
Sponsor: Dr. Erin Grabarczyk
College of Science and Mathematics, Biology

Comparison of Juvenile Seahorse Measurement Methodologies

E. Lanier Baker
Sponsor: Dr. Emily Rose
College of Science and Mathematics, Biology

Considering the Death Penalty and Ethics

Oscar L. Prieto
Sponsor: Dr. Lavonna Lovern
College of Humanities and Social Sciences, Philosophy

***Covid 19 AND Mental Health in the 50 States:
Key Predictors of the Suicide before and at the Wake of the Pandemic***

Kaylor Stone
Sponsor: Dr. James LaPlant
College of Humanities and Social Sciences, Political Science

Dark Matter vs. Modified Gravity

Alexandria Navedo
Sponsors: Dr. Lavonna Lovern and Dr. Billy Quarles
College of Humanities and Social Sciences, Philosophy
College of Science and Mathematics, Physics and Astronomy

Death Penalty: A Case of Ethics

Oscar L. Prieto
Sponsor: Dr. Lavonna Lovern
College of Humanities and Social Sciences, Philosophy

Development of an Attitudes Toward the Israel-Hamas War Scale

Caleb L. Berrian, Elizabeth C. Carter, Mytavia L. Cooper, Sha’Nyia and N. Ghent
Sponsor: Dr. Meagan M. Wood Hopkins
College of Humanities and Social Sciences, Psychological Sciences

***Development of Molecular and Biochemical Workflow for the
Characterization of Arabidopsis thaliana transgenic Plants***

Pearce A. Persaud and Connor C. Bland
Sponsor: Dr. Ansul Lokdarshi
College of Science and Mathematics, Biology

Dimerization of Anthracene

Paola Roblero Loopez
Sponsor: Dr. Shipra Gupta
College of Science and Mathematics, Chemistry and Geosciences

***Does Social Media Impact Generational Differences in Knowledge of the Affordable
Healthcare Act between Students and Professors at Valdosta State University?***

Jaclyn R Talbert and Collin Tomeny
Sponsors: Dr. Michael Savoie and Dr. A.J. Ramirez
College Of Honors and College of Humanities and Social Sciences, Sociology

Education, Political Views, and Perceptions of Immigrants of Color

Marie A Philor

Sponsor: Dr. Anne Price

College of Humanities and Social Sciences, Sociology

Effect of COVID-19 Policy Discrepancies in High-Minority Long-term Care Facilities

Alma V. Diaz

Sponsor: Dr. Jia Lu

College of Science and Mathematics, Chemistry and Geosciences

Egypt, the New Constitution, Rights and Freedom: More or Less?

Kmirria L. Lawrence

Sponsor: Dr. Marc G. Pufong

College of Humanities and Social Sciences, Political Science

Employer-Assisted Housing

Alma V. Diaz, Charles S. Ellis, Diamond T. Jennings,
Mercedes L. McElroy, Demetrius J. McQueen and Jahkaylah J. Rogers

Sponsor: Dr. Jia Lu

College of Science and Mathematics, Chemistry and Geosciences

Environmental Gentrification in America

Zachary Collis

Dr. Ellis S. Logan, Dr. Shelly Yankovskyy and Dr. Anne Price

College of Humanities and Social Sciences, Sociology

Evaluation of the Antibacterial Properties of Ethnomedicinal Plants

Airionna Fordham

Sponsor: Dr. Gopeekrishnan Sreenilayam

College of Science and Mathematics, Chemistry

Evaluation of Slimy Salamander Ecology (*Plethodon glutinosus*) in South Georgia

Clayton Gall

Sponsor: Dr. John Phillips

College of Science and Mathematics, Biology

Exploring Relationships among Daily Screen Time Total, Social Media Applications used and Individual Self-rated Mental Health

Caitlin Hultquist
Sponsor: Dr. Anne Price
College of Humanities and Social Sciences, Sociology

Exploring Kepler 62f's Climate Dynamics through an Energy Balance Model

Ian McLean
Sponsor: Dr. Billy Quarles
College of Science and Mathematics, Applied Mathematics and Physics

Exploring Teacher Perceptions of Classroom Management: Insights from Local School Districts

LeAnna Keller
Sponsor: Dr. Forrest Parker III
James L. and Dorothy H. Dewar College of Education and Human Services,
Teacher Education

Exploring Surface Temperature Dynamics and Habitability Potential: Insights from a Daisy world Model on Kepler-62f

Jasmine Freeman, Ian Mclean and Jordan Hewins
Sponsor: Dr. Billy Quarles
College of Science and Mathematics, Applied Mathematics and Physics

Exploring the Complexity of Gun Rights: Examining Generational and Gender Influences

Averi L. Keller
Sponsor: Dr. Brandon Atkins
College of Humanities and Social Sciences, Criminal Justice
Exploring the Influence of Age and Gender on Perceptions of Violent Video Games and Future Offending

Makayla Cowan
Sponsor: Dr. Brandon Atkins
College of Humanities and Social Sciences, Criminal Justice

Exploring the Influence of Media Consumption and Age on Perception of Law Enforcement

Deanna C. Doyle
Sponsor: Dr. Joshua Atkins
College of Humanities and Social Sciences, Criminal Justice

Expression of an Aquaporin Gene in E. coli

Caidyn D. Carr
Sponsor: Dr. Donna Gosnell
College of Science and Mathematics, Chemistry and Geosciences

Expression of an Aquaporin Gene in Yeast

Carlton W. Francis
Sponsor: Dr. Donna Gosnell
College of Science and Mathematics, Chemistry and Geosciences

Facial Recognition Techniques to Identify Individual Gulf pipefish in Tampa Bay, FL

Brooke H. McKay
Sponsor: Dr. Emily Rose
College of Science and Mathematics, Biology

Factors that affect Maternal Mortality in African American Women

Aniya J. Morris
Sponsor: Dr. Lois Ann Bellflowers
College of Nursing and Health Sciences, Nursing

Factors That Facilitate the Displacement of the Gullah Geechee Community

Demetrius J. McQueen
Sponsor: Dr. Paul Vincent
College of Science and Mathematics, Chemistry and Geosciences

Faith and Politics in Juvenile Justice: Examining the Influence of Religious Beliefs and Political Alignment on Attitudes towards Intervention

Harley Baldwin
Sponsor: Dr. Brandon Atkins
College of Humanities and Social Sciences, Criminal Justice

Firearms, Politics, and Public Perspectives: How Race and Political Affiliation Shape Attitudes towards Gun Control

Lola Grace Floyd
Sponsor: Dr. Brandon Atkins
College of Humanities and Social Sciences, Criminal Justice

Food Deserts in Georgia

Diamond T. Jennings
Sponsor: Dr. Jia Lu
College of Science and Mathematics, Chemistry and Geoscience

Fox News Viewership across the 50 States

Margaret Ellison Smith
Sponsor: Dr. James LaPlant
College of Humanities and Social Sciences, Political Science

From the Law of the Lever to Calculus and Beyond

Miguel Angel Riano Guevara
Sponsor: Dr. Charles Kicey
College of Science and Mathematics, Applied Physics and Mathematics

“God wants to use you”: The Perversion of Religion in Postmodernist Works

Amber G. Velasquez
Sponsor: Dr. Adam Wood
College of Humanities and Social Sciences, English

Green Tech Oyster Restoration; Saving the Ocean One Bivalve at a Time

Thomas Wilson
Sponsor: Dr. Tom Manning
College of Science and Mathematics, Chemistry

Gulf pipefish Sexual Dimorphism and Seasonal Abundance in Tampa Bay, FL

Aldo Madrigal Olivarez, Kenneth J. Armstrong and Megan N. Sims
Sponsor: Dr. Emily Rose
College of Science and Mathematics, Biology

History Talent Development

Rosieana Elizabeth Johnson
Sponsor: Dr. Ophelie Desmet
James L. and Dorothy H. Dewar College of Education and Human Services,
Human Services

How does Age and Family Values affect Students' Views on Marriage?

Victoria Ahmadu

Sponsors: Dr. Ellis S. Logan and Dr. Anne Price
College of Humanities and Social Sciences, Sociology

Hydrophobic Deep Eutectic Green Solvents for Carotenoid Extraction

Myles Monroe and Thomas Rideau IV

Sponsors: Dr. Alexandrina L. Focsan and Dr. Gopeekrishnan Sreenilayam
College of Sciences and Mathematics, Chemistry

Importance of College Faculty having a Certification and the Impact that Provides to Students in the Accounting Field

Saul J. Guzman

Sponsors Dr. Raymond Elson, Dr. Cori O. Crews and Dr. Casey Colson
Harley Langdale, Jr. College of Business Administration, Accounting

Innovations in Car Fuel Sources

Muhammad B. Ashfaq and Danny Warren

Sponsor: Dr. Tom Manning
College of Science and Mathematics, Chemistry

***Integrating Social-Emotional Learning Strategies for Effective Classroom Management:
A Guide for Elementary Teachers***

Rebecca Taylor

Sponsor: Dr. Forrest Parker III
James L. and Dorothy H. Dewar College of Education and Human Services,
Teacher Education

Investigating White-Collar Crime: Examining the Impact of Demographics and Institutional Trust on Public Perceptions

Sabrina R. Maine

Sponsor: Dr. Brandon Atkins
College of Humanities and Social Sciences, Criminal Justice

Is It Better to Give Than Receive? Effects of Interpersonal Characteristics on Attitudes toward Oral Sex

Kenzie A. Eikenberry and Selena Garza

Sponsor: Dr. Mark A. Whatley
College of Humanities and Social Sciences: Psychological Sciences

Mapping Surface Geophysical Anomalies using Ground-Penetrating Radar

Ramyia J. Hemphill
Sponsor: Dr. Don Thieme
College of Science and Mathematics, Physics and Geosciences

Measuring Mindfulness in College Student Budgeting

Yoselyn J. Molina Melendez
Sponsor: Charles R. Talor
College of Humanities and Social Sciences, Psychological Sciences

Mindfulness Variables for Students with Disabilities Adjusting to College

Britton D. Kirkland and Lude A. Jose
Sponsor: Charles R. Talor
College of Humanities and social Sciences, Psychological Science

Modern Qatar Theocracy, Changing Ideas of Citizenship, and Rule of Law

Victoria Tanner
Sponsor: Dr. Marc Pufong
College of Humanities and Social Sciences, Political Science

Myoglobin-Catalyzed Aerobic Cyclopropanation of Styrene in Deep Eutectic Solvents

Mason A Griffin
Sponsor: Dr. Gopeekrishnan Sreenilayam
College of Sciences and Mathematics, Chemistry

Ni-Prussian Blue Analogs as Electrocatalyst for CO₂ Reduction

Tiwaloluwa Salami
Sponsor: Tolulope O. Salami
College of Science and Mathematics, Chemistry and Geosciences

Opioid Deaths in the United States

Noah Phillips
Sponsor: Dr. James LaPlant
College of Humanities and Social Sciences, Political Science

Pakistan: Islamization constitution, Citizenship Rights, and the Rule of Law Allure

Sabane Maiga
Sponsor: Dr. Marc Pufong
College of Humanities and Social Sciences, Political Science

Photochemical Study of Vitamin D Field in Supramolecular Host System

Reagan G. Newsom and, Keishona D. Gordon
Sponsor: Dr. Shipra Gupta
College of Science and Mathematics, Chemistry

Race and Gender's effect on Attitudes Towards Eating Disorders

Zakia Dixon
Sponsor: Dr. Ellis S. Logan
College of Humanities and Social Sciences, Sociology

Religiosity and Its Impact on Abortion Views

Tiaja Mobley
Sponsors: Dr. Ellis S. Logan and Dr. F.E. Knowles, jr.
College of Humanities and Social Sciences, Criminal Justice

***Schooling the Bettas: Conditioning a Response in
Betta Splendens using Reinforcement***

Michael K. Clarke
Sponsor: Dr. Rose
College of Science and Mathematics, Biology

SEM-EDS Analysis of Metal Oxide Samples

Saul Torres
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Separation and Purification of Bryostati Produced by Microbes

Jacqueline Farmer, Lindsey Henderson and Ashtyn Puckett
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Simulating a Vending Machine using an Arduino

Kemi C. Godo

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Simulation of a Finite State Machine

Tyler Z. Young and Devam A. Pate

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Simulation of a Finite Machine using a Micro-controller

Charles Ellis

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Computer Science

Skin tone

Esmeralda C. Facundo

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Stability of Modified Heme Biocatalyst in DES: UV-Vis Study

David B. Vasquez

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***Staurolite within the Dean Formation in the 7.5-minute Murphy
Quadrangle, North Carolina***

Shaelyn Mackenzie Kiley

Sponsor: Dr. Don Thieme
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Synthesis and Antibacterial Properties of Chiral Schiff Bases

Anthony M. Giles

Sponsors: Dr. Barbas and Dr. Gopeekrishnan Sreenilayam
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Synthesis of Iron (III) Oxide Nanoparticles for Nanocrystalline Photoanodes

Jason R Phillips

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***Tailoring [2+2] Photocycloaddition Reaction of Acenaphthylene to Demonstrate Thymine/
Adenine Dimerization in an Organic Chemistry Lab***

Alexandra E. Rivero and Lisa M. Shepherd

Sponsor: Dr. Shipra Gupta
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***The Application of One and Two-Dimensional Nuclear Magnetic Resonance (NMR)
Technique to Identify Four Beta-lactam (Penicillin's) Molecules***

Alexa Luna, Brystan T. Carthon, Carlton W. Francis, Hope E. Smith, Kenya J. Copeland,
Airionna S. Fordham, Kirby C. Perry, Micky K. Sherry and Vanessa N. Brignolle

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The Effect Candy Has on Happiness and Memory

Eldred B. Jones

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The Effects of Category 4 Hurricane Ian on the Gulf pipefish, *Syngnathus scovelli*

Kenneth J. Armstrong, Aldo Madrigal Olivarez and Megan N. Sims

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The Effects of Participation and Finances on College Students Mental Health

Emari Moore

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The Evolution of Diverse Dentition in Mammals

Janene Bufkin
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The Hypocrisy of The American Death Penalty in Literature

Evie L. Webb
Sponsor: Dr. Ubaraj Katawal
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***The Model for a Card Game to Introduce All Ages to a New Fields:
From Science to Liberal Arts, Music to Economics***

Katherine Hollister
Sponsor: Dr. Thomas Manning
College of Sciences and Mathematics, Chemistry and Geosciences

***The Socioeconomics of a Country's Transformation from
Developing to Developed Nations***

Idara A. Essienmoh
Sponsor: Dr. Mohammad Movahed
Harley Langdale, Jr. College of Business Administration

The Textile Industry at Pompeii

Sydney I. DeMent
Sponsor: Dr. Glenda Swan
College of Arts, Art and Design

The True Cause and Effect of Chicano and Cholo Fashion

Dayanara Dominguez
Sponsor: Dr. Chalise Ludlow
College of Arts, Theatre

The use of Copper Crystals to Improve Cancer Drug Delivery Rates

Carolina Aponte-Rodríguez, Vanessa Brignolle and Mariam Duarte Marcia
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College of Science and Mathematics, Chemistry and Geosciences

The Value of Scientific Inquiry?

Sidney M. Wilson
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Trojan Planet Packing within the Habitable Zone of Alpha Centauri

Hector R. Prieto
Sponsor: Dr. Billy Quarles
College of Science and Mathematics, Applied Physics and Mathematics

Unger's Multiverse

Christopher A.J. Simpson
Sponsor: Dr. Lavonna Lovern
College of Humanities and Social Sciences, Philosophy

Using AlphaFold, an artificial intelligence Protein Structure Prediction Program for Developing GCN2 Structure

Kiersten S. Ley and Teresa K. Akuoko
Sponsor: Dr. Ansul Lokdarshi
College of Science and Mathematics, Biology

Using A Sudoku Style Puzzle to Introduce Terminology to Active Learners in the Field of Anatomy

Syren M. Letizia and Brandie M. Seber
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Using a Sudoku Style Puzzle to Introduce Terminology to Active Learners in the Field of Anatomy and Physiology

Malika Millender
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Using a Sudoku Style Puzzle to Introduce Terminology to Active Learners in the Field of Dogs

Alexis Green
Sponsor: Dr. Thomas Manning Alexis Green
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Using a Sudoku Style Puzzle to Introduce Terminology to Active Learners in the Field of Forensic Science

Carissa G. Reonas and Layla N. Gay

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Using a Sudoku Style Puzzle to Introduce Terminology to Active Learners in the Field of Neurological Drugs

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Using A Sudoku Style Puzzle to Introduce Terminology to Active Learners in the Field of Plants in The Southeastern United States

Pearce A. Persaud

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Using Hair Cortisol Levels to Understand the Effect of the COVID-19 Pandemic on Stress in Healthcare Workers

Madison R. Williams

Sponsor: Dr. Kristin Kirchner

College of Humanities and Social Sciences, Psychological Sciences

Verification of Center of Gravity Structures in Engineering Technology using Computational Methods and Milling Machine Experimentations

Christian P. Strickland

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College of Science and Mathematics, Computer Science and Engineering Technology

Simulation of Mechanics Problems in Various Variables using ChatGPT and MATLAB

Wooseok Kwon

Sponsor Dr. Barry Hojjatie

College of Science and Mathematics, Computer Science and Engineering Technology

**16th Annual Graduate Research & Scholarship
Symposium and GA of the Year Awards**

**Innovating how Research and Service
Impact Graduate Education**

April 5, 2024

Time: 3-6pm

Student Union Theater & Ballrooms

**3MT Presentations & Graduate Assistant of the Year event will be
3-4pm in the Student Union Theater**

Poster Presentations will be 4-6pm in the Student Union Ballrooms

Please contact Darli DeVane at djdevane@valdosta.edu if you have questions