2023 Student Research Symposium
Promoting Collaboration Across Disciplines
April 26, 2023
9:30am-2:45pm
The Conference Center
University Hall, 7th Floor

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The Office for Research | College of Humanities & Social Sciences
College of Science & Mathematics | College of Education and Human Services
# 2023 Symposium Schedule

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<th>Time</th>
<th>Event</th>
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<tr>
<td>8:45 a.m.</td>
<td>Check-in opens</td>
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<tr>
<td>9:00 a.m.</td>
<td>Light breakfast available</td>
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<tr>
<td>9:30 a.m.</td>
<td>Welcome/Opening Remarks</td>
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<tr>
<td>9:45 – 10:45 a.m.</td>
<td>Poster Session 1</td>
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<td>11:00 a.m. – 12:00 p.m.</td>
<td>Poster Session 2</td>
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<td>12:00 – 12:30 p.m.</td>
<td>Break with light refreshments</td>
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<tr>
<td>12:30 – 1:30 p.m.</td>
<td>Poster Session 3</td>
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<td>1:45 – 2:45 p.m.</td>
<td>Poster Session 4</td>
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Poster Session 1: 9:45 – 10:45 a.m.
(Alphabetical by Presenter’s Last Name)

Fayza Abbasi - A3
Anthony Aponte-Almanzar - A4
Divomi Balasuriya - A5
Cooper Bane - A6
Jizette Bayron - A7
Jean-Marie Beeks - A8
Brandon Bernard Mendez - A9
Bailey Carlo - A10
Mara Cohen - A11
Jonathan Conrad - A12
Amy Daniel - A13
Carly DeLucca - A14
John Eakley - A15
Karima Elgamal - A16
Sarah Estupinan Jimenez - A17
Celina Flores Garza - A18
Michaela Forbes - A19
Alfonse Gaite - A20
Wilthon Gilles - A21
Julia Hauss - A22
Victoria Hojnacki - A23
Karim Homsi - A24
Ridley Joseph - A25
Twisile Kalinga - A26
Youngjun Kim - A1
Ginger Loponen - A27
Russell Maloney - A28
Savannah Mitchell - A29
Emily Murphy - A30
Catrina Notari - A31
Edileide Novais Cavalcanti - A32
Alicja Obuchowska - A33
Sara Reper - A34
Joseph Rios - A35
Emily Roberts - A36
Magali Romero - A37
Amy Rosen - A38
Jessica Scheinbaum - A39
Lianna Scherer - A40
Melissa Spigelman - A41
Betsy Stephens - A42
Peter Stoermer - A43
Eric Swanson - A44
Geena Taite - A2
Francisco Villa - A45
Morgan Wactor - A46
Krystal Woolston - A47
Satoni Zaccaro - A48
Samantha Zakrzewski - A49
Poster Session 1: 9:45 – 10:45 a.m.
(Alphabetical by Presenter’s Last Name)

Title: Is Higher ToM Associated with Neuroticism?
Presenter: Fayza Abbasi
Advisor: Laura Lakusta

Title: Energy Efficiency Outreach in Orange, New Jersey
Presenter: Anthony Aponte-Almanzar
Advisor: Greg Pope

Title: The Effect of Sand Nourishment on Beach Sediment Composition of Sandy Hook and Long Beach Island, New Jersey
Presenter: Divomi Balasuriya
Co-Author(s): Dr. Sandra Passchier
Advisor: Sandra Passchier

Title: The Paleontology of Central New Jersey
Presenter: Cooper Bane
Advisor: Greg Pope

Title: The Role of Surprise in Spatial Language Acquisition
Presenter: Jizette Bayron
Co-Author(s): Jizette Bayron, Stephanie Spivak, Emily Ferrer, Laura Lakusta
Advisor: Laura Lakusta

Title: International Pen Pal Project as an Engaging Experience to Increase Students’ Cultural Competency and Prepare for Work with Immigrant and Refugee Families
Presenter: Jean-Marie Beeks
Co-Presenter(s): Iliana Woodhull, Olena Nesteruk
Co-Author(s): Jean-Marie Beeks, Iliana Woodhull, Olena Nesteruk
Advisor: Olena Nesteruk

Title: Virtual skeleton: Constructive Criticism
Presenter: Brandon Bernard Mendez
Co-Author(s): Rui Li
Advisor: Rui Li

Title: Montclair Township's Journey to Becoming Certified by Sustainable Jersey Under the Sustainable Business Registry Program
Presenter: Bailey Carlo
Advisor: Greg Pope

Title: Fatigue, Sleep, Skin Temperature, and Mood
Presenter: Mara Cohen
Advisor: Ruth Propper
Title: The Potential Storage of Microplastics in Lacustrine Environments  
Presenter: Jonathan Conrad  
Advisor: Josh Galster

Title: Multiple Representations of Functions in a Calculus Open Educational Resource Compared to a Traditional Textbook  
Presenter: Amy Daniel  
Advisor: Joseph DiNapoli

Title: Heat Island Assessment and Mitigation for Montclair  
Presenter: Carly DeLucca  
Advisor: Greg Pope

Title: Synthesis and Study of a New Fluorescent Sensor for Zinc Ions  
Presenter: John Eakley  
Advisor: Saliya de Silva

Title: Spatial Perspective Taking Abilities Assessed in Down Syndrome Youth  
Presenter: Karima Elgamal  
Co-Author(s): Stephanie Grinshpun, Aria Smith, Julia Hauss, Samantha Zakrzewski, Komal Khera, Melinda Mo, Sumin Bang, Matthew Baker, Ameet Kaur, Yingying Yang, Edward Merrill  
Advisor: Yingying (Jennifer) Yang

Title: Probing the Stretchiness of Nucleons Using Compton Scattering at HIGS of Cryogenic Liquids  
Presenter: Sarah Estupinan Jimenez  
Advisor: Kent Leung

Title: Trace and Rare Earth Element (REE) analysis of Oligocene and Miocene diamicitites in the Cape Roberts Drilling Project cores, Ross Sea, Antarctica  
Presenter: Celina Flores Garza  
Advisor: Sandra Passchier

Title: Comparison of Natural Processes on Paleosols and Human Impact on Modern Soil Through Carbon Measurements  
Presenter: Michaela Forbes  
Advisor: Greg Pope

Title: The Impact of Robotic Exoskeleton Gait Training on Gait Adaptability in Persons with Multiple Sclerosis  
Presenter: Alfonse Gaite  
Advisor: Ruth Propper
Title: Computational Modeling of the Impact of Functional Groups on Asphaltene Aggregates via Random Phase Approximation
Presenter: Wilthon Gilles
Advisor: Hendrik Eshuis

Title: The Language of Mechanical Support in Children: Is it ‘Sticking’, ‘Hanging’, or simply ‘On’?
Presenter: Julia Hauss
Co-Presenter(s): Angelina Pasquella
Co-Author(s): Jennifer Barbosa, Angelina Pasquella, Dr. Paul Muentener, Dr. Barbra Landau, Dr. Laura Lakusta
Advisor: Laura Lakusta

Title: A Multiproxy Characterization of ODP Site 696 Sediments During a Greenhouse to Icehouse Transition
Presenter: Victoria Hojnacki
Co-Author(s): Sandra Passchier
Advisor: Sandra Passchier

Title: Is ICER, a Protein with Anti Tumor Functions, Paradoxically Eliciting Refractory Tumors?
Presenter: Karim Homsi
Co-Author(s): Justin Wheelan, Angelo Cirinelli, James Reilly, Melissa Spigelman, Melissa Pallen, Carlos A. Molina
Advisor: Carlos Molina

Title: Antarctic Peninsula Ice Sheet Dynamics in the Pliocene from Sedimentological Interpretation of Ocean Drilling Program Site 1097
Presenter: Ridley Joseph
Advisor: Sandra Passchier

Title: Impact of Registry on Reentry Experiences of Individuals Convicted of Sex Crimes
Presenter: Twisile Kalinga
Advisor: Dr. Tarika Daftary-Kapur

Title: Extraneous Solutions and Students’ Opportunities for Reasoning with Equations
Presenter: Youngjun Kim
Advisor: Joseph DiNapoli

Title: Where to Implement a Wildlife Crossing in Fredon, NJ
Presenter: Ginger Loponen
Advisor: Greg Pope

Title: The Effects of Chitinase-1 on Brugia malayi
Presenter: Russell Maloney
Co-Author(s): Dr. John Siekierka, Tyler Eck
Advisor: John Siekierka
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<th>Title</th>
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<tr>
<td>The Relationship Between Language Proficiency and Memory Performance in Spanish-English Bilinguals</td>
<td>Savannah Mitchell</td>
<td>Lauren Covey</td>
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<tr>
<td>Improving Public Engagement in Paterson, New Jersey</td>
<td>Emily Murphy</td>
<td>Greg Pope</td>
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<tr>
<td>I'm the Leader! How Shared Leadership May Lead to Territoriality</td>
<td>Catrina Notari</td>
<td>Valerie Sessa</td>
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<tr>
<td>It’s a Jangle Out There: Reconciling Organizational Bonds Constructs</td>
<td>Edileide Novais Cavalcanti</td>
<td>Valerie Sessa</td>
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<td>The Environmental Impacts of Food Delivery Services in New Jersey</td>
<td>Alicja Obuchowska</td>
<td>Greg Pope</td>
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<td>Community Energy Outreach in West Orange, New Jersey</td>
<td>Sara Reper</td>
<td>Greg Pope</td>
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<td>The Role of Immune Molecules in Foraging Behavior: Tol-1 Inhibits C. elegans Foraging Behavior in a Feeding State Dependent Manner</td>
<td>Joseph Rios</td>
<td>Christos Suriano</td>
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<tr>
<td>Sudoku in the Context of Graph Theory</td>
<td>Emily Roberts</td>
<td>Jonathan Cutler</td>
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<td>Habitat characteristics of American Kestrel (Falco sparverius) Nesting Sites in Northwestern New Jersey</td>
<td>Magali Romero</td>
<td>John Smallwood</td>
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<tr>
<td>Investigating Generalization Patterns in Children with Residual Speech Sound Disorder</td>
<td>Amy Rosen</td>
<td>Elaine Hitchcock</td>
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<tr>
<td>Hosoya Polynomials of Hexagonal Chains</td>
<td>Jessica Scheinbaum</td>
<td>Dr. Aihua Li</td>
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<td>Does Skin Exposure Differ in Breastfeeding Images When Taken in Public vs Private Spaces?</td>
<td>Lianna Scherer</td>
<td>Lauren Dinour</td>
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<td>Investigating the Link between the ICER Protein and Ovulation in Zebrafish Models</td>
<td>Melissa Spigelman</td>
<td>Carlos Molina</td>
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<td>Yoga Beats Stress Provides Protection Against Poor Mental Health Outcomes</td>
<td>Betsy Stephens</td>
<td>Wendy Zeitlin</td>
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<tr>
<td>Natural Interaction between Human and Robot Using Deep Learning and Computer Vision Techniques</td>
<td>Peter Stoermer</td>
<td>Michelle Zhu</td>
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<tr>
<td>Quantitative Analysis of Proton Content in Deuterated Poly(methyl methacrylate) for Thin Neutron Window Material Selection in Ultra-cold Neutron Experiments</td>
<td>Eric Swanson</td>
<td>Kent Leung</td>
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<tr>
<td>Designing &amp; Implementing Professional Development on Mathematical Modeling to Address Evolving Teacher Challenges</td>
<td>Geena Taite</td>
<td>Joseph DiNapoli</td>
</tr>
<tr>
<td>Chunking Capabilities in Bilingual Spanish-English Speakers</td>
<td>Francisco Villa</td>
<td>Lauren Covey</td>
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</table>
Title: Animal Biodiversity of a Former Quarry at Montclair State University
Presenter: Morgan Wactor
Advisor: Lisa Hazard

Title: "It Was Like Double Damage": An Exploration of Clergy-Perpetrated Sexual Abuse, Institutional Betrayal, and Posttraumatic Growth
Presenter: Krystal Woolston
Advisor: Jennifer Brown Urban

Title: Enhancing Phytoremediation to Improve Its Capabilities
Presenter: Satoni Zaccaro
Advisor: Greg Pope

Title: Mental Rotation Abilities Improved through Training in Youth and Adolescents with Down Syndrome
Presenter: Samantha Zakrzewski
Co-Author(s): Zakrzewski Samantha, Grinshpun Stephanie, Smith Aria, Hauss Julia, Elgamal Karima, Khera Komal, Mo Melinda, Bang Sumin, Baker Matthew, Kaur Ameet, Yang Yingying (Jennifer), Merrill Edward
Advisor: Yingying (Jennifer) Yang
Poster Session 2: 11:00 a.m. – 12:00 p.m.
(Alphabetical by Presenter’s Last Name)

Amanda Abdelaal - B4
Sarah Acquaviva - B5
Alondra Aquino - B46
Gita Bhushal Adhikary - B6
Louis Cardenuto - B7
Lee Casseus - B8
Emily Cepin - B9
Iman Cumberbatch - B10
Eshariah Dyson - B12
Kimberly Echevarria - B42
Mariam Elbandy - B13
Anthony Gachetti - B15
Hrisa Goga - B16
Jenna Hamdeh - B17
Jenna Horowitz - B41
Corbin Hudson - B18
Jessica Ibrahimian - B19
Nasrallah Jaber - B20
Charles Knoble - B21
Elise Lahiere - B1
Helene Leonard - B3
Madeline Lucas - B22

Lora Lynch - B23
Nicole Macapagal - B24
Hajra Mateen - B45
Joseph Mayala Nsingi - B25
Alyson Mejia - B26
Crystal Montero - B27
James Olutunji - B28
Skylar Paletta - B29
Kesha Patel - B30
Maha Pluviose - B31
Kearstjen Powers - B32
Amanda Provost - B2
Ema Ramicevic - B43
Tasia Ramsey - B33
Miles Schroeder - B34
Sarahana Shrestha - B47
Zainab Tariq - B35
Aamnah Ullah - B36
Leanna Valles - B37
Mark Zoren Valmonte - B38
Qingting (Tina) Wu - B39
Edward Wynman - B40
Naima Zaheer - B44
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<tr>
<td>Comparison of Long Term Benefits of Vestibular, Aerobic, and Mental Health Therapies in Concussion Rehabilitation</td>
<td>Amanda Abdelaal</td>
<td>Fredrick Gardin</td>
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<td>Full Degree Spanning Trees in Random Cubic Graphs</td>
<td>Sarah Acquaviva</td>
<td>Deepak Bal</td>
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<td>Will the Removal of Tariffs and Non-tariffs Affect Nepal's Economy?</td>
<td>Gita Bhushal Adhikary</td>
<td>Pankaj Lal</td>
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<tr>
<td>Misinformation and the First Amendment</td>
<td>Louis Cardenuto</td>
<td>Thomas Loikith</td>
</tr>
<tr>
<td>Domestic Terrorism and Its Dilemma with Domestic Mass Shootings in America</td>
<td>Lee Casseus</td>
<td>Thomas Loikith</td>
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<td>Paleoclimate Reconstruction of the Paleocene-Eocene Thermal Maximum Using Carbon Isotopes of Black Carbon and Pollen</td>
<td>Emily Cepin</td>
<td>Ying Cui</td>
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<tr>
<td>Environmental Study of Urban Forestry Using Data Visualization with Extended Reality</td>
<td>Iman Cumberbatch</td>
<td>Stefan Robila</td>
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<td>Soil-metal Complexes in Contaminated Soil</td>
<td>Eshariah Dyson</td>
<td>Nina Goodey</td>
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<tr>
<td>Catalytic Addition of Sulfinates to Nitroalkenes</td>
<td>Mariam Elbandy</td>
<td>Magnus Bebbington</td>
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**Poster Session 2: 11:00 a.m. – 12:00 p.m.**
(Alphabetical by Presenter’s Last Name)
Title: Paleoenvironment reconstruction of the eastern Tethys Sea during the Pre-Onset Excursion  
Presenter: Anthony Gachetti  
Co-Author(s): Ying Cui, Shijun Jiang, Tina Wu, Maurizia De Palma, and Stefanie Brachfeld  
Advisor: Ying Cui

Title: Expression of Putative RNase E from the Bacteriophage Shival  
Presenter: Hrisa Goga  
Advisor: Quinn Vega

Title: Amavida, Heylee, and JaNo: Three Novel Arthrobacter phage  
Presenter: Jenna Hamdeh  
Co-Presenter(s): Jaimee Diogo, Safiya Bunglawala  
Advisor: Kirsten Monsen-Collar

Title: Discovery of DNA Aptamers as Probes for Detecting Ranavirus MCP  
Presenter: Corbin Hudson  
Advisor: Nina Goodey

Title: Field Study of the Effects of Artificial Root Exudates on Barren Contaminated Soil  
Presenter: Jessica Ibrahimian  
Co-Author(s): Eshariah Dyson  
Advisor: Nina Goodey

Title: The Addition of Artificial Root Exudates Causes Microbial Awakening  
Presenter: Nasrallah Jaber  
Co-Author(s): Naima Zaheer  
Advisor: Nina Goodey

Title: Environmental Justice in New Jersey – An Exploration of Twitter as an Early Injustice Detection Tool  
Presenter: Charles Knoble  
Co-Author(s): Danlin Yu  
Advisor: Danlin Yu
Title: Tracing the Mathematical Modeling Phases of Pre-Service Teachers: A MAD Analysis
Presenter: Elise Lahiere
Co-Presenter(s): Geena Taite, Youngjun Kim, Amanda Provost, Andre Perkoski
Co-Author(s): Geena Taite, Youngjun Kim, Amanda Provost, Andre Perkoski
Advisor: Joseph DiNapoli

Title: Inhibition of Carbonic Anhydrase Activity by Green Tea antioxidant EGCG
Presenter: Madeline Lucas
Co-Author(s): Vladislav Snitsarev, Quinn C Vega, Elena Petroff
Advisor: Elena Petroff

Title: Music Composition Through the Use of Mathematical Transformations
Presenter: Lora Lynch
Co-Author(s): Joshua Cellar
Advisor: Bogdan Nita

Title: Social Anxiety and it’s Impacts on Social Interactions
Presenter: Nicole Macapagal
Co-Presenter(s): Caroline Freden
Co-Author(s): Erin Kang, Matt Lerner
Advisor: Erin Kang

Title: Modeling Continental Weathering Across the End-Permian Mass Extinction
Presenter: Joseph Mayala Nsingi
Co-Author(s): Markus Adloff, Qingting Wu, Edwin Lotero, and Ying Cui
Advisor: Ying Cui

Title: Analyzing Paleoclimate Changes During the end-Permian using Carbon and Nitrogen Isotopes
Presenter: Allyson Mejia
Co-Author(s): Tina Wu
Advisor: Ying Cui

Title: The effect of the replacement of E57N on MtIGPS catalysis
Presenter: Crystal Montero
Advisor: Nina Goodey

Title: Virtual Reality as a Learning Tool for Life Sciences
Presenter: James Olatunji
Advisor: Stefan Robila

Title: Effect of Virtual Reality-Induced Mood States on Balance Performance
Presenter: Skylar Paletta
Advisor: Luis Torres
Title: Social Influence on Risky Choice
Presenter: Kesha Patel
Advisor: Michael Bixter

Title: Arthrobacter Phage: Abidatro
Presenter: Maha Pluviose
Advisor: Quinn Vega

Title: The Perception of Disordered Eating Among Different Levels of Collegiate Athletes
Presenter: Kearsten Powers
Advisor: Fredrick Gardin

Title: Supporting Pre-Service Teachers as They Begin Their Mathematical Modeling Journey
Presenter: Amanda Provost
Co-Presenter(s): Youngjun Kim, Elise Lahiere, Geena Taite
Co-Author(s): Youngjun Kim, Elise Lahiere, Andre Perkoski, Geena Taite
Advisor: Joseph DiNapoli

Title: Collaboration, Redemption, and Race: Who are the True Heroes of J.R.R. Tolkien’s Middle Earth Mythology?
Presenter: Tasia Ramsey
Advisor: Glen Gill

Title: Understanding & Visualizing Queer Activism across the Global South
Presenter: Miles Schroeder
Advisor: Arnaud Kurze

Title: Economic Analyses of Electricity from Food Waste at Regional scale: A Meta-Analysis
Presenter: Zainab Tariq
Advisor: Pankaj Lal

Title: The Impact of Online Racial/Ethnic Discrimination on Sleep and Anxiety
Presenter: Aamnah Ullah
Advisor: Jazmin Reyes-Portillo

Title: Academic Stress, Anxiety, and Self-Efficacy: The Role of Emotion Regulation
Presenter: Leanna Valles
Advisor: Samantha Coyle

Title: Mark Zoren Valmonte
Presenter: Exploration of Bio-inspired Synthetic Polymer in Graphene Derivative (rGO) synthesis
Co-Author(s): Dr. Amrita Sarkar, Zeyad Baker, Jianna Loor
Advisor: Amrita Sarkar
Title: Biogeochemical Responses to Global Warming During the Paleocene–Eocene Thermal Maximum in the Eastern Tethys
Presenter: Qingting (Tina) Wu
Co-Author(s): Ying Cui, Shijun Jiang, Yixin Dong, Jun Shen
Advisor: Ying Cui

Title: How Long is Too Long? An Investigation of Preference for Jail over Probation in Mock Defendants.
Presenter: Kimberly Echevarria
Co-Author(s): Dr. Tina M. Zottoli
Advisor: Tina Zottoli

Title: An In Vitro Analysis of the Danger of Diabetes on Retinal and Cardiac cells
Presenter: Ema Ramicevic
Co-Presenter(s): Kingsley Maduka, Tomasz Bartoszewicz, Adanna Chukwuocha
Co-Author(s): Kingsley Maduka, Tomasz Bartoszewicz, Adanna Chukwuocha
Advisor: Ann Marie DiLorenzo

Title: Exploring Changes in Mathematics Teacher Practice from Professional Development Rooted in the Tru Framework
Presenter: Helene Leonard
Co-Presenter(s): Amy Daniel, Youngjun Kim
Co-Author(s): Amy Daniel, Youngjun Kim
Advisor: Joseph DiNapoli

Title: Prediction of Interactions between Mycobacterium tuberculosis Indole Glycerol Phosphate Synthase (IGPS) and Substrate Analogs
Presenter: Naima Zaheer
Co-Author(s): David Konas, Nina Goodey
Advisor: Nina Goodey

Title: The Catalytic Activity and Binding of Mutant S220T in M. tuberculosis IGP Synthase
Presenter: Hajra Mateen
Co-Author(s): Erik Domlija, Naima Syed, Sarah Cho, Dr David Konas, Dr Nina Goodey
Advisor: Nina Goodey

Title: Jangleland: Construct Proliferation in Workplace Psychological Constructs
Presenter: Alondra Aquino
Co-Presenter(s): Edileide Novais Cavalcanti, Catrina Notari
Co-Author(s): Catrina Notari, Valerie Sessa, Alondra Aquino, Edileide Novais Cavalcanti, Nathan Bowling
Advisor: Valerie Sessa
Title: Exploring Patterns in Energy Consumption through Machine Learning and Time Series Analysis
Presenter: Sarahana Shrestha
Co-Presenter(s): Daniel Cwynar
Co-Author(s): Daniel Cwynar, Dr Aparna Varde
Advisor: Aparna Varde
Poster Session 3: 12:30 – 1:30 p.m.
(Alphabetical by Presenter’s Last Name)

Cassie Armout - C3
Nishanta Baral - C4
Nadia Barcheski - C5
Chrisnaelle Beaucejour – C48
Viren Bhavsar - C6
Wasayef Bsharat - C7
Cate Cameron - C8
Michael Camilo - C9
Carolina Carrasquilla - C35
Stephanie Cucinello - C10
Nicholas D’Alessandro - C11
Gianna DeRienzo - C12
Shannan Devlin - C13
Nayeli Dume - C1
Emily Ferrer - C14
Izzy Freid - C16
Michael Giarratana - C17
Vanessa Glaser - C18
Sara Kamal - C20
Taylor Kettle - C21
Jenna Khansa - C22
Nedeen Khashashina - C23
Katherine Kilroy - C24
Theodore Kochell - C25
Madison Lawton - C47
Calypso Lune - C26
Emily Lynch - C27
Katherine Margolin - C28
Stephanie Montoya - C29
Sandra Ortega - C30
Chinwe Ossai - C31
Amrit Parmar - C32
Nicole Peterson - C33
Kate Repp - C36
Alexa Salotti - C2
Meet Bharatbhai Sanariya - C37
Achyutha Satishkumar - C38
Aisha Shabbir - C39
Deja Showers - C40
Oluwafemi Soetan - C41
Rina Tabuchi - C42
Vaibhavi Tiwari - C43
Sepideh Vafaie - C44
Calista Wong - C45
Karmen Yu - C46
Poster Session 3:  12:30 – 1:30 p.m.
(Alphabetical by Presenter’s Last Name)

Title: The Relationship between Academic Performance and Participation in Sports
Presenter: Cassie Armout
Co-Presenter(s): Atinuke Adejube, Danielle Duong, Amanda Gunnings
Co-Author(s): Atinuke Adejube, Danielle Duong, Amanda Gunnings
Advisor: Sarah Kelly

Title: Dynamics of Inertial and Non-inertial Particles in Geophysical Flows
Presenter: Nishanta Baral
Co-Author(s): Dr. Eric Forgoston
Advisor: Eric Forgoston

Title: Emotional Distress in Undergraduate Students
Presenter: Nadia Barcheski
Co-Presenter(s): Christina Lugg, Houda Sabeh
Co-Author(s): Christina Lugg, Houda Sabeh, Sarah Kelly, PhD, RN
Advisor: Sarah Kelly

Title: Role of E267 in Proton Transfer
Presenter: Chrisnaelle Beaucejour
Co-Presenter(s): Chrisnaelle Beaucejour, Marisa Messina, and Jaclyn Catalano
Advisor: Jaclyn Catalano

Title: Pursuit of Power
Presenter: Viren Bhavsar
Advisor: Deborah Chatr Aryamontri

Title: Exploring the Relationship between Autism and Obsessive-Compulsive Disorder Symptoms
Presenter: Wasayef Bsharat
Advisor: Erin Kang

Title: The Life and Legacy of Alvin Ailey’s Revelations
Presenter: Cate Cameron
Advisor: Elizabeth McPherson

Title: Understanding Matter at Super-Nuclear Density Using Gravitational Waves and X-Ray Astronomy
Presenter: Michael Camilo
Co-Author(s): Anarya Ray, Dr. Jolien Creighton, Dr. Shaon Ghosh
Advisor: Shaon Ghosh
Title: Back from the Cold: Lessons on Dealing with a Warming World from Antarctic Species
Presenter: Carolina Carrasquilla
Co-Author(s): Haley Mcgeehan, Kevin Bilyk
Advisor: Kevin Bilyk

Title: Effects of Parental Incarceration on Children
Presenter: Stephanie Cucinello
Advisor: Maryam Rafieifar

Title: Water in the Arena: Hydraulic Engineering in the Roman World
Presenter: Nicholas D’Alessandro
Advisor: Deborah Chatr Aryamontri

Title: The Effects of Social Media on Sleep in College Students
Presenter: Gianna DeRienzo
Co-Presenter(s): Helena Van Vliet, Angiel Luque, Tatiana Huertas
Co-Author(s): Helena Van Vliet, Angiel Luque, Tatiana Huertas
Advisor: Sarah Kelly

Title: The Effect of Sibling Status on School Performance: A Secondary Analysis of the National Longitudinal Study of Adolescent Health
Presenter: Shannan Devlin
Co-Presenter(s): Liyna Abdelaziz, Nicole Biel, and Madison Rowe
Co-Author(s): Liyna Abdelaziz, Nicole Biel, and Madison Rowe
Advisor: Sarah Kelly

Title: The Importance of Affordable Food Options on Campus
Presenter: Nayeli Dume
Co-Presenter(s): Alexa Salotti, Kaoon (Francois) Ban, Shannon O’Connor
Co-Author(s): Alexa Salotti, Kaoon (Francois) Ban, Shannon O’Connor
Advisor: Shannon O’Connor

Title: The Association between Intermittent Fasting and Eating Disorder Symptomatology in a College Sample
Presenter: Emily Ferrer
Co-Author(s): Leora Haller, Shannon O'Connor
Advisor: Shannon O'Connor

Title: Glass Blowing in Ancient Rome
Presenter: Izzy Freid
Advisor: Deborah Chatr Aryamontri

Title: Eccentric Corrections to the Mass and Spin of a Black Hole Merger Remnant
Presenter: Michael Giarratana
Advisor: Marc Favata
Title: Petrographic Analysis of Pottery from the White Marl Archaeological Site, St. Catherine Parish, Jamaica, West Indies
Presenter: Vanessa Glaser
Co-Author(s): Matthew Gorring, Gregory Pope, Peter Siegel, Simon Mitchell, Sherene James-Williamson, Zachary Beier
Advisor: Matthew Gorring

Title: The Connection Between Wealth and Selfishness: Implications for Economic Development and Public Attitudes
Presenter: Sara Kamal
Advisor: Deborah Chatr Aryamontri

Title: Investigations of Racemic and Quasiracemic Metal Complexes of Substituted Benzoylalanines with Nickel, Cobalt, and Zinc
Presenter: Taylor Kettle
Co-Presenter(s): Nic Antonellis
Advisor: Mark Whitener

Title: First Intercourse Contraception Use Among Students
Presenter: Jenna Khansa
Co-Presenter(s): Kylie Huhn, Camila Yanez
Co-Author(s): Kylie Huhn, Camila Yanez
Advisor: Sarah Kelly

Title: Effects of Saline-Induced Stress on Transgenerational Epigenetic Inheritance within Mosquito Species, Culex molestus
Presenter: Nedeen Khashashina
Co-Author(s): Matthew Aardema, Fatima Waheeb
Advisor: Matthew Aardema

Title: Roman Concrete: How Was It Made and Does It Have Modern Uses?
Presenter: Katherine Kilroy
Advisor: Deborah Chatr Aryamontri

Title: Where the Water Is
Presenter: Theodore Kochell
Advisor: Deborah Chatr Aryamontri

Title: Alcohol Consumption Among College Students of Caucasian and African American Race
Presenter: Madison Lawton
Co-Presenter(s): Jenna Datesman, Yasmeen Salman, Samantha Medeiros
Co-Author(s): Jenna Datesman, Yasmeen Salman, Samantha Medeiros, Sarah Kelly
Advisor: Sarah Kelly
Title: The Effects of Ketamine on the Expression of Hippocampal $\alpha$-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid (AMPA) and Novel Object Placement Performance in a Wistar-Kyoto Model Depression
Presenter: Calypso Lune
Co-Presenter(s): Alan Pehrson
Co-Author(s): Andriy Fomin and Dr. Alan Pehrson
Advisor: Alan Pehrson

Title: Congruence among Clinician and Parent-reported Special Interests
Presenter: Emily Lynch
Co-Author(s): Rachel McDonald, Britney Jeyanayagam
Advisor: Erin Kang

Title: Preparation of IGPS Product Analogs through Reductive Amination and Wittig Reaction
Presenter: Katherine Margolin
Co-Presenter(s): Savannah Van Den Berg
Co-Author(s): Savannah Van Den Berg, David Konas
Advisor: David Konas

Title: Characterization of a Commercial Faraday Isolator at 2 Micron Wavelength
Presenter: Stephanie Montoya
Advisor: Rodica Martin

Title: College Student Perception of Safety
Presenter: Sandra Ortega
Co-Presenter(s): Dani Kane, Olivia Bonkowski
Co-Author(s): Dani Kane, Olivia Bonkowski
Advisor: Sarah Kelly

Title: Exploring Differences in Adult Disordered Eating by Reasons for Childhood Eating-related Shame
Presenter: Chinwe Ossai
Co-Author(s): Kaoon Ban, Shannon O’ Connor
Advisor: Shannon O’ Connor

Title: Parameter Optimization for Excitable Cells
Presenter: Amrit Parmar
Co-Author(s): Eric Forgoston, Vladislav Snitsarev
Advisor: Eric Forgoston

Title: Julius Caesar: The Transformation of Rome as Republic to an Empire
Presenter: Nicole Peterson
Advisor: Deborah Chatr Aryamontri

Title: Gender, Sex, and Politics: The Roman Bacchanalia Scandal of 186 BCE
Presenter: Kate Repp
Advisor: Deborah Chatr Aryamontri
Title: Exploring Power of Food as A Potential Moderator ofAssociations 
   between Deficits in Emotional Regulation and Emotional Overeating
Presenter: Alexa Salotti
Co-Author(s): Kaoon (Francois) Ban, MPH, Shannon O’Connor, PhD
Advisor: Shannon O’Connor

Title: Gujarati Transnationals in New Jersey: A Phenomenological Study of the 
   Effect of Differential Impacts On Local Cultural Food Practices
Presenter: Meet Bharatbhai Sanariya
Co-Author(s): Dr.Charles Feldman, Dr.Shahala Wunderlich, Dr.Neeraj Vedwan
Advisor: Charles Feldman

Title: Archeological Evidence of the Amazon Warriors Origins
Presenter: Achyutha Satishkumar
Advisor: Deborah Chatr Aryamontri

Title: The Effect of Alcohol Use on Academic Performance
Presenter: Aisha Shabbir
Co-Presenter(s): Aisha Shabbir, Sydney Silberman, Aleida Smack, Jazmin Carvajal
Co-Author(s): Sydney Silberman, Aleida Smack, Jazmin Carvajal
Advisor: Sarah Kelly

Title: Investigations of Racemic and Quasiracemic Metal Complexes of 
   Substituted Benzoylalanines with Copper Using Pyridine Ligands
Presenter: Deja Showers
Co-Presenter(s): Uchechi Odikanwa
Advisor: Mark Whitener

Title: A Global Meta-Analytical Evaluation of Heavy Metal Pollution in 
   Freshwater Surficial Sediments Using Heavy Metal Indices and 
   Multivariate Statistical Methods.
Presenter: Oluwafemi Soetan
Co-Author(s): Huan Feng
Advisor: Huan Feng

Title: Spontaneous Clustering of Polyubiquitin Cargos on the Lipid Membranes
Presenter: Rina Tabuchi
Co-Author(s): Paola Gonzalez, Cedric Briones, Jenn Shin
Advisor: II-Hyung Lee

Title: Review of Ransomware Attacks and a Data Recovery Framework using 
   Autopsy Digital Forensics Platform
Presenter: Vaibhavi Tiwari
Co-Presenter(s): Smit Chandrakant Nayak
Co-Author(s): Smit Chandrakant Nayak, Dr. Bharath Kumar Samanthula
Advisor: Dr. Bharath Kumar Samanthula
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<tr>
<th>Title:</th>
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<td>Sepideh Vafaie</td>
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<tr>
<td>Co-Author(s):</td>
<td>Deepak Bal, Michael Thorne, Eric Forgoston</td>
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<td>Advisor:</td>
<td>Eric Forgoston</td>
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<th>Title:</th>
<th>How Race and Gender Moderate the Effect of Facial Trait Inferences on Leadership Perception</th>
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<td>Presenter:</td>
<td>Calista Wong</td>
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<td>John Wilson</td>
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<th>Title:</th>
<th>Characterizing Calculus I Students’ Participation in the Parallel Spaces of Coursework and Inquiry-Oriented Supplemental Instruction</th>
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<tr>
<td>Presenter:</td>
<td>Karmen Yu</td>
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<td>Advisor:</td>
<td>Steven Greenstein</td>
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Poster Session 4: 1:45 – 2:45 p.m.
(Alphabetical by Presenter’s Last Name)

Hana Ali - D1
Laurel Alpern - D7
Shanna Anderson - D8
Hermann Bermudez - D9
Jada Brown - D10
Jacob Caraballo - D11
Angela Chemidlin - D13
Lyndsey Clarke - D14
Isamar Cortes - D15
Zakaria Dahhan - D2
Eric Dammann - D16
Michael Eibl - D17
Uchenna Ezichi - D48
Citlaly Hernandez - D18
Britney Jeyanayagam - D19
Md Nurul Kadir - D20
Luke Kozas - D21
Javonica Latimore - D22
Krishna Leitner - D23
Nicolina Lentine - D24
Alani Lombardi - D25
Noah Macchirole - D26
Zachary Mall - D5
Ana Mendonca - D27

Marisa Messina - D28
Cassandra Michalakis - D29
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Michelle Mui - D6
Shane Nichols-O'Neill - D32
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Briana Oskar - D34
Katherine Parlitsis - D35
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Amie Sexton - D39
Diana Sisk-Gritz - D40
Christian Smith - D41
Jahniya Stone-Taylor - D42
CJ Szafranski - D3
Anthony Tamberelli - D43
Maria Tevletidis - D4
Clara Vitale - D44
Ingrid Witty - D45
Samantha Wyzykowski - D46
Jeffrey Yumbla - D47
Title: Efficacy Testing on Experimental Formulas and Its Importance in Public Health  
Presenter: Hana Ali  
Co-Presenter(s): Ahmed Hossameldin  
Co-Author(s): Ahmed Hossameldin, Zakria Dahhan, Kelsey Hing, Kyle Reyes Quiambao, Maria Pineda, and Dr. Lee Lee  
Advisor: Lee Lee

Title: Draw Yourself as a Teacher: Exploring Teacher Identity and Beliefs among Teacher Education Students  
Presenter: Laurel Alpern  
Advisor: Minsun Shin

Title: Mapping Their Terrain: Teacher Leaders Wielding Social Network Theory for Educational Change  
Presenter: Shanna Anderson  
Co-Presenter(s): Ursula Derios, John O'Meara, Timothy Aberle  
Co-Author(s): Ursula Derios, John O'Meara, Timothy Aberle, Dr. Mika Munakata, Dr. Emily Klein, Dr. Monica Taylor  
Advisor: Mika Munakata

Title: Small Droplets of Glass Reveal a Rain of Molten Rock during the Extinction of Dinosaurs  
Presenter: Hermann Bermudez  
Co-Author(s): Billy P. Glass, Joanna V. Morgan, Liliana Bolivar, George Philips, José A. Arz, Vicente Gilabert, Ignacio Arenillas, Maurizia De Palma, Tina Wu, Ying Cui  
Advisor: Ying Cui

Title: Examining Meta-Analytically Supported Risk Factors for Academic Dishonesty in a Single Sample  
Presenter: Jada Brown  
Co-Author(s): Julia Stratton, Christopher M. King  
Advisor: Christopher King

Title: Ancient Rome and Its Everlasting Aqueducts  
Presenter: Jacob Caraballo  
Advisor: Deborah Chatr Aryamontri

Title: Using Gonionemus vertens polyps as an Educational Tool to Teach Asexual Reproduction, Population Growth, and Novel Observations on Life History  
Presenter: Angela Chemidlin  
Co-Presenter(s): Daniel Black, Sebastian Ruiz
Co-Author(s): Daniel Black, Sebastian Ruiz, Paul Bologna
Advisor: Paul Bologna

Title: Does Criminogenic Thinking or Psychopathic Features Transform Prosocial Maturity into Criminal Sophistication?
Presenter: Lyndsey Clarke
Co-Author(s): Kenny Gonzalez, Christopher M. King
Advisor: Christopher King

Title: Quantifying the Relationship between Evaporation and Precipitation Variations and Mangrove Health: Insights from a Mangrove Islands in Belize
Presenter: Isamar Cortes
Co-Author(s): Jorge Lorenzo-Trueba
Advisor: Jorge Lorenzo-Trueba

Title: Investigating the Inhibitory Effects of EC16 & CF2 Formulations on Endospore Forming Bacillus megaterium & Bacillus subtilis
Presenter: Zakaria Dahhan
Co-Presenter(s): Kelsey Hing
Co-Author(s): Kelsey Hing, Kyle Reyes Quiambao
Advisor: Lee Lee

Title: Methane Production in Tidal Marshes over Decadal Time Scales: Insights from a Morpho-dynamic Model
Presenter: Eric Dammann
Co-Author(s): Lorenzo-Trueba Jorge, Schutte Charles, Kipp Lauren
Advisor: Jorge Lorenzo-Trueba

Title: Leak Checking on Deuterated-PMMA films, using a Helium-Mass-Spectrometer-Based Spray-Mode Leak Detection Apparatus.
Presenter: Michael Eibl
Advisor: Kent Leung

Title: The Impact of double mutant residues E57D/E219Q and E57Q/E219Q on M.tuberculosis indole-3-glycerol phosphate synthase catalysis
Presenter: Uchenna Ezichi
Co-Author(s): Erik Domlija, Nina Goodey, David Konas
Advisor: Nina Goodey

Title: The roles of N189 and E168 in M. tuberculosis IGP Synthase Catalysis
Presenter: Citlaly Hernandez
Co-Author(s): Citlaly Hernandez, Sarah Cho, Maryum Bhatti, Erik Domlija, Cinthya Moran, David Konas, Nina Goodey
Advisor: Nina Goodey
Title: The Role of Parental Emotion Regulation on Child Behaviors in Autistic and Other Developmentally-Disabled Children During the COVID-19 Pandemic: Mediation by Dysfunctional Parent-Child Interactions
Presenter: Britney Jeyanayagam
Co-Author(s): Sadaf Khawar, Farah Mahmud, Mary Isaac Cargill, Emily Lynch, Chana Tilson, Erin Kang
Advisor: Erin Kang

Title: Quantifying Estuarine Bathymetric Changes under Sea-Level Cycles: Insights from a Moving Boundary Framework.
Presenter: Md Nurul Kadir
Advisor: Jorge Lorenzo-Trueba

Title: Using Intrinsic Traits as a Predictor of College Major
Presenter: Luke Kozas
Advisor: Jennifer Bragger

Title: Analysis of Food Insecurity in Newark, New Jersey
Presenter: Javonica Latimore
Advisor: Greg Pope

Title: Hydrotherapy in Greco-Rome
Presenter: Krishna Leitner
Advisor: Deborah Chatr Aryamontri

Title: Impact of Salinity on Soil in Cheesequake State Park in Matawan, NJ
Presenter: Nicolina Lentine
Advisor: Nina Goodey

Title: A Cherished Ancient Roman Ritualistic Practice
Presenter: Alani Lombardi
Advisor: Deborah Chatr Aryamontri

Title: Assessing Potential Crab Predators of the Invasive Gonionemus vertens
Presenter: Noah Macchirole
Advisor: Paul Bologna

Title: Examining Motivational Systems (Behavioral Inhibition and Behavioral Activation) as Mediators between Decision Making and Impulsivity in ADHD
Presenter: Zachary Mall
Co-Presenter(s): Elyse Ball, Ainz Gervais, Kylie King, Sarah Yulianti,
Co-Author(s): Elyse Ball, Ainz Gervais, Kylie King, Sarah Yulianti, Joshua Sandry, PhD
Advisor: Joshua Sandry
Title: Does Positional Behavior in Fiddler Crabs Depend on Sex or Familiarity?
Presenter: Ana Mendonca
Co-Presenter(s): Paula Chuquimarca, Nima Patel, Arohi Birari
Co-Author(s): Kerece Everett, Salma Kwarteng
Advisor: Scott Kight

Title: Determine the Role of an Acidic Residue in Cytochrome P450
Presenter: Marisa Messina
Co-Author(s): Jaclyn Catalano
Advisor: Jaclyn Catalano

Title: Automated Analysis of Lipid Vesicle Images using Deep Learning
Presenter: Cassandra Michalakis
Co-Presenter(s): Rina Tabuchi
Co-Author(s): Rina Tabuchi
Advisor: Eli Lee

Title: Gender Differences in Theory of Mind
Presenter: Shania Morales
Advisor: Jennifer Bragger

Title: The Role of Residue M305 in Mammalian Cytochrome P450 2S1
Presenter: Kenneth Mosquera Reinoso
Advisor: Jaclyn Catalano

Title: Global Volumetric Reductions across Amygdala Nuclei in Chronic TBI
Presenter: Michelle Mui
Co-Author(s): Denise Babbit, Andriy Fomin, Sophia Lall, Zachary Mall, Ekaterina Dobryakova, Joshua Sandry
Advisor: Joshua Sandry

Title: Centennial Barrier-inlet Evolution and Coastal Management: Lessons from Undeveloped and Developed Phases at Barnegat Inlet, New Jersey
Presenter: Shane Nichols-O'Neill
Co-Author(s): Jorge Lorenzo-Trueba
Advisor: Jorge Lorenzo-Trueba

Title: Cargo Ships of Ancient Greece
Presenter: Efrain Ocasio
Advisor: Deborah Chatr Aryamontri

Title: Modified Green Tea Polyphenols P-EGCG and P-EGCG Containing Formulation Can Inhibit Bacillus Vegetative Cells and Enhance the Antibiotic Activity on Bacillus Vegetative Cells
Presenter: Briana Oskar
Co-Presenter(s): Kamya Shah, Joanna Rodriguez
Co-Author(s): Kamya Shah, Joanna Rodriguez
Advisor: Lee Lee
Title: An Analysis of Servant Leadership and Systemic Thinking  
Presenter: Katherine Parlitsis  
Advisor: Jennifer Bragger

Title: First Occurrence of the Invasive Hydrozoan Eucheilota maculata (Cnidaria: Hydrozoa) in New Jersey, USA  
Presenter: Dominika Polchowska  
Co-Presenter(s): Rachel Sechrist, Diana Bachiller  
Co-Author(s): Paul Bologna, John Gaynor, Kirsten Monsen-Collar, Rachel Sechrist, Diana Bachiller  
Advisor: Paul Bologna

Title: Studying the Effect of Formulations EC16 as Potential Bactericidal Agent on Endospore Forming Bacteria  
Presenter: Kyle Reyes Quiambao  
Advisor: Lee Lee

Title: The Framing of Professional Female Tennis Players  
Presenter: Sophia Ruggiero  
Advisor: Stephen Andon

Title: Roman Naval Logistics  
Presenter: Amie Sexton  
Advisor: Deborah Chatr Aryamontri

Title: Trophic Assessment of the Invasive Hydrozoan Gonionemus vertens using Stable Isotope Analysis: You are What You Eat  
Presenter: Diana Sisk-Gritz  
Co-Author(s): Dr. Paul Bologna, Dr. Xiaona Li, Dr. Ying Cui  
Advisor: Paul Bologna

Title: Training Advisors to Train Students: How Can We Serve Advisors of Registered Student Organizations?  
Presenter: Christian Smith  
Co-Presenter(s): Cole Vitelli, Heather Hernandez-Mozz, Nayeli Dume, Milton Fuentes  
Co-Author(s): Cole Vitelli, Heather Hernandez-Mozz, Nayeli Dume, Michelle Truffin, Milton Fuentes  
Advisor: Milton Fuentes

Title: Personality, Servant Leadership, and Emotional Understanding Outcomes  
Presenter: Jahniya Stone-Taylor  
Advisor: Jennifer Bragger

Title: The Effect of Changes in Collisional Energy on Mass Spectrometric Dissociation Techniques.  
Presenter: CJ Szafranski  
Co-Presenter(s): Maria Tevletidis  
Co-Author(s): Maria Tevletidis, Wilthon Gilles, Shane Finn  
Advisor: Jinshan Gao
Title: Decadal Changes in Hydrozoan Community Structure  
Presenter: Anthony Tamberelli  
Co-Author(s): Dr. Paul Bologna  
Advisor: Paul Bologna

Title: Reduced vs Non-Reduced Conjugate Comparison  
Presenter: Maria Tevletidis  
Co-Author(s): Shane Finn, CJ Szafranski, Wilthon Gilles  
Advisor: Jinshan Gao

Title: Technology in the Ancient World: The History and Lasting Impacts of Roman Aqueducts  
Presenter: Clara Vitale  
Advisor: Deborah Chatr Aryamontri

Title: Decadal Evolution of a Riverine Marsh-Lagoon System: The Case of the Mullica River, NJ  
Presenter: Ingrid Witty  
Co-Author(s): Eric Dammann, Jorge Lorenzo Trueba  
Advisor: Jorge Lorenzo-Trueba

Title: Generalizability of Risk Factors for Crime to Academic Dishonesty between Genders  
Presenter: Samantha (Sam) Wyzykowski  
Co-Author(s): Julia Stratton, Christopher King  
Advisor: Christopher King

Title: A Comparison of the Effects of Substrate Activity on Cytochrome P450 Enzymes  
Presenter: Jeffrey Yumbla  
Co-Author(s): Jaclyn Catalano  
Advisor: Jaclyn Catalano
Approved Abstracts Unable to Present Today

Title: Impacts of Ancient Greco-Roman Holistic Medicine During the Covid-19 Pandemic
Presenter: Kayla Brathwaite
Advisor: Deborah Chatr Aryamontri

Title: Decoupling Biogeomorphic Controls on Coastal Foredune Evolution Using Remote Sensing and in-situ Measurement Approaches
Presenter: Shane Daiek
Co-Author(s): Jorge Lorenzo-Trueba, Shane Nichols-O’Neill, Jesse Kolodin, Eric Dammann, Aparna S. Varde
Advisor: Jorge Lorenzo-Trueba

Title: The interconnected roles of residues N189, E168, and S220 in M. tuberculosis Indole-3 glycerol phosphate synthase catalysis
Presenter: Erik Domlija
Co-Author(s): Nina Goodey, David Konas
Advisor: Nina Goodey

Title: The Supernatural’s Influence on Ancient Roman Culture
Presenter: Farrah Fornarotto
Advisor: Deborah Chatr Aryamontri

Title: The Importance of and Urbanization of Water in Ancient Greece and Rome
Presenter: Pauline Hameed
Advisor: Deborah Chatr Aryamontri

Title: The House of Athena
Presenter: Chiara Quezada
Advisor: Deborah Chatr Aryamontri

Title: Innovation in Roman Construction; What has Changed and Stayed the Same in Modern Society?
Presenter: Jaden Rannie-White
Advisor: Deborah Chatr Aryamontri

Title: Metapontum: A Greek Colony Buried Within South Italy
Presenter: Gabriella Socio
Advisor: Deborah Chatr Aryamontri

Title: The Health of the People in the Ancient Greco-Roman World
Presenter: David Vazquez
Advisor: Deborah Chatr Aryamontri