<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 am – 8:30 am</td>
<td>Registration and Continental Breakfast</td>
<td>University Hall Conference Center</td>
</tr>
<tr>
<td>8:30 am – 8:45 am</td>
<td>Opening Remarks – Dr. Willard Gingerich</td>
<td>Provost and Vice President for Academic Affairs University Hall Conference Center</td>
</tr>
<tr>
<td>8:45 am – 9:25 am</td>
<td>Poster Session Block A</td>
<td>University Hall Conference Center</td>
</tr>
<tr>
<td>9:30 am – 10:45 am</td>
<td>Oral and Multimedia Presentations Block A</td>
<td>Room assignments listed below</td>
</tr>
<tr>
<td>10:50 am – 11:30 am</td>
<td>Poster Session Block B</td>
<td>University Hall Conference Center</td>
</tr>
<tr>
<td>11:35 am – 12:50 am</td>
<td>Oral and Multimedia Presentations Block B</td>
<td>Room assignments listed below</td>
</tr>
<tr>
<td>1:00 pm – 2:00 pm</td>
<td>Lunch and Keynote Address</td>
<td>Dr. Neil Baldwin “Learning How to Learn” Student Center Ballrooms</td>
</tr>
<tr>
<td>2:00 pm – 2:15 pm</td>
<td>Symposium Awards and Closing Remarks</td>
<td>Student Center Ballrooms</td>
</tr>
<tr>
<td>2:15 pm – 2:30 pm</td>
<td>College and School Recognition</td>
<td>College of Science and Mathematics Sigma Xi Awards Student Center Ballrooms School of Business Recognition University Hall 3004</td>
</tr>
</tbody>
</table>
# Oral and Multimedia Presentations

**Block A: 9:30 am – 10:45 am**

## 1. Industrial Design – University Hall 2008
**Moderator: Dr. Winfield Parsons**

<table>
<thead>
<tr>
<th>Presenter</th>
<th>Title</th>
<th>Advisor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gary Anzelmo</td>
<td>Safety Rim</td>
<td>Dr. Winfield Parsons</td>
</tr>
<tr>
<td>Anthony Fragola</td>
<td>Emergency Beacon System</td>
<td>Dr. Winfield Parsons</td>
</tr>
<tr>
<td>Sara Isola</td>
<td>Children and Design</td>
<td>Dr. Winfield Parsons</td>
</tr>
<tr>
<td>Joseph Lombardo</td>
<td>Human Factors, Design for Safety</td>
<td>Dr. Denis Feigler</td>
</tr>
<tr>
<td>Ivanna Samylenko</td>
<td>Glow - Stop Sign Design</td>
<td>Dr. Winfield Parsons</td>
</tr>
</tbody>
</table>

## 2. Counseling – University Hall 2012
**Moderator: Dr. Matthew Shurts**

<table>
<thead>
<tr>
<th>Presenter</th>
<th>Title</th>
<th>Advisors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Javier Bustamante</td>
<td>Academic guidance: revisiting developmental and prescriptive styles of advising</td>
<td>Dr. Milton A. Fuentes</td>
</tr>
<tr>
<td>Ken Ryerson</td>
<td>New to school, new to country: Challenges faced by newly immigrant students</td>
<td>Dr. Larry Burlew &amp; Dr. Angela Sheely-Moore</td>
</tr>
<tr>
<td>Vincent Viglione</td>
<td>Grief as a ubiquitous, yet unique phenomenon across the lifespan</td>
<td>Dr. Dana Levitt</td>
</tr>
<tr>
<td>Jill Whittaker</td>
<td>Overcoming personal and institutional obstacles to incorporating spirituality into counselor education curriculum</td>
<td>Dr. Harriet Glosoff</td>
</tr>
</tbody>
</table>

## 3. Marketing – University Hall 2025
**Moderator: Dr. Elaine Gerber**

<table>
<thead>
<tr>
<th>Presenter</th>
<th>Title</th>
<th>Advisor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laura Cirigliano</td>
<td>Play By Play: Theatrical Darwinism</td>
<td>Dr. Ronald Sharps</td>
</tr>
<tr>
<td>Kevin Newell</td>
<td>Special Improvement Districts and their benefits to communities in New Jersey</td>
<td>Dr. Elaine Gerber</td>
</tr>
<tr>
<td>Nathalie Smith</td>
<td>Shades of green - An analysis of green purchasing behavior</td>
<td>Dr. Patrali Chatterjee</td>
</tr>
<tr>
<td>Ashley Twyman-Cyrus</td>
<td>Co-author(s):</td>
<td></td>
</tr>
<tr>
<td>Beth Tippenreiter</td>
<td>Sex, lies and stereotypes</td>
<td>Dr. Catherine Keohane</td>
</tr>
</tbody>
</table>
4. Philosophy/Arts Education – University Hall 2032
Moderator: Dr. Dorothy Rogers

Presenter: Drew Berkowitz
Advisor: Dr. David Keiser
Title: Harnessing branded children’s entertainment in the K-12 classroom

Presenter: Sabrina Misir Hiralall
Advisor: Dr. Dorothy Rogers
Title: Mindfulness as an element of contemplative pedagogy for Kuchipudi dancers

Presenter: Joseph Todd
Advisor: Dr. Tyson Lewis
Title: Deschooling the multitude: Educational counter publics and democracy

5. Philosophy/Education – University Hall 2040
Moderator: Allan Cottrell

Presenter: Nataly Chesky
Advisor: Dr. Mark Weinstein
Title: An integral hunch: Kant, Husserl, and the role of intuition in mathematics education

Presenter: John Cleary
Advisor: Dr. David Kennedy
Title: The role of philosophy for children’s community of philosophical inquiry in critical media literacy

Presenter: Olivier Michaud
Advisor: Dr. Kathryn Herr
Title: What is the place of philosophy in higher education?

6. Biochemistry – University Hall 2044
Moderator: Dr. Diana Thomas

Presenter: Maryam Alapa
Advisor: Dr. Nina Goodey
Title: DHFR binding to methotrexate- Induced tit or conformational selection
Co-author(s): Diane Hagmann, Stephanie Korunow, Dr. Nina Goodey

Presenter: Agnieszka Chojnowski
Advisors: Dr. John Siekierka & Dr. Ronald Goldberg
Title: The role of Brugia malayi stress-activated protein kinases, Bm-MPK1 and Bm-JNK1, in parasite anti-oxidative stress responses
Co-author(s): William De Martini, Akruti Patel, Katie Gaskill

Presenter: Javier Godoy
Advisor: Dr. Diana Thomas
Title: Effect of physical activity on weight change
Co-author(s): Anthony Criscitello

Presenter: Franklin Paulino
Advisor: Dr. Johannes Schelvis
Title: Mechanism of autoregulation by ICER
Co-author(s): Mark DeMilio, Johannes Schelvis, Carlos Molina

Presenter: Marzena Wietecha
Advisor: Dr. Shifeng Hou
Title: High activity and capability graphene based support materials for fuel cell anode against CO poison tolerance
Co-author(s): Matthew Gorring, Shifeng Hou

7. Law and Fiction/Public Policy – University Hall 3004
Moderator: Ellen B. Unger, Esq.

Presenter: Joy Obiselu
Advisor: Ellen B. Unger, Esq.
Title: Birth of a Nation: How the United States Supreme Court and D.W. Griffith engendered segregationist America
Presenter: Mahdey Salhab  
**Title:** *Ground Zero: The First Amendment battle between land use and public sentiment*

Presenter: Sterling Santamaria  
**Title:** *Wealth as justice*

Presenter: Angeliki Sergonis  
**Title:** *Brancusi’s *Bird in Space* and defining “Art”*

Presenter: Bethanne Sonne  
**Title:** *Post 9/11 and the rise of Orwellian America*

**8. Arts – University Hall 3006**  
**Moderator:** Yasemin Besen-Cassino

Presenter: Jaclyn Buglino  
**Title:** *A reevaluation of female significance*

Presenter: Kristen Hariton  
**Title:** *The evolution of dramaturgy through technology: The Grapes of Wrath*

Presenter: Stephen Kaplan  
**Title:** *That’s why the lady is a tramp*

**9. Pure and Applied Mathematics – University Hall 3008**  
**Moderator:** Dr. Aihua Li

Presenter: Leslie Cheteyan  
**Title:** The roller-coaster conjecture

Presenter: Emel Demirel  
**Title:** *Study of polynomial solutions to certain diophantine equations*  
Co-author(s): Aihua Li

Presenter: Jennifer Feiner  
**Title:** *Product and sum connectivity indices of certain trees*

Presenter: Stewart Hengeveld  
**Title:** *Advanced algebraic methods in solving complex systems and enhancing GK-12 education*

Presenters: Vladimir Mishcherkin, Ashley Marshall  
**Title:** *Difficulties with parking on MSU campus: using statistical methods and models for a possible resolution of this long-term problem*

Presenter: Matthew Vieira  
**Title:** *Directionally dependent viscosity increase in a ferrofluid under an applied magnetic field*

**10. Epidemics and Health – University Hall 3009**  
**Moderator:** Dr. Lora Billings

Presenter: Jackson Burton  
**Title:** *Dynamics of disease spread of linked populations*

Presenter: Aline de Oliveira  
**Title:** *EGCG-ester green tea polyphenol as a novel approach to inhibit herpes simplex viral infections*  
Co-author(s): Dr. Sandra Adams, Dr. Lee H. Lee

Presenter: Bobak Haghjoo  
**Title:** *The synergistic effect of green tea and other polyphenols on antiseptics and antibiotics against the growth of potentially pathogenic bacteria and infections*

Presenter: Jonathan Hayes  
**Title:** *Stochastic epidemiological models with linear migration*
Presenter: Gin Sanchez  Advisor: Dr. Ashwin Vaidya
Title: On the transport of biomass materials  Co-author(s): Mehrdad Massoudi, Ashwin Vaidya

**Oral and Multimedia Presentations**

**Block B: 11:35 am – 12:50 pm**

1. **Business, Work and Human Relations – University Hall 2008**
   **Moderator: Dr. John McGinnis**

   Presenters: Kenny Benavides, Jeffrey Saravia  Advisor: Dr. Milton A. Fuentes
   Title: Saying "No" in the workplace: Examining supervisor and employee relations  Co-author(s): Milton A. Fuentes, Caitlin Bassett, Christina Saulle, Michelle Truffin

   Presenters: Yanelys Garcia, Krunal Panchal  Advisor: Dr. Susana Yu
   Title: An investment report for selected stocks in the tech, auto and financial sectors  Co-author(s): Wilson Munoz, Jonathan Schwartz, Michael Campodonico, Vipul Patel

   Presenters: Stefan Genzor  Advisor: Dr. Susana Yu
   Title: A stock analysis of the basic materials, financial, healthcare and software sectors  Co-author(s): Andre Sigismondo, Maria LoPiccolo, Anna Matos, Priscila Pires

   Presenters: Kyungwon Lee  Advisor: Dr. Avi Mukherjee
   Title: Who gets published in healthcare journals?

   Presenters: Anthony Ndiege  Advisor: Dr. Avi Mukherjee
   Title: Medical tourism: A stakeholder perspective

2. **Art and Outreach – University Hall 2012**
   **Moderator: Dr. Pauline Garcia Reid**

   Presenters: Jennifer Gribbin  Advisor: Dr. Susan Wray
   Title: Take-home art, origami and gardening kits in a Newark classroom

   Presenters: Frank Quinones, Geraldine Rojas, Lara Khater, LaChelle Jones, Ashley Pierce, Ceretta Jiles, Dashe Counts, Jennifer Rey  Advisor: Dr. Pauline Garcia-Reid
   Title: Project C.O.P.E: Giving youth hope

   Presenters: Ashli Sisk  Advisor: Dr. Julie Heffernan
   Title: Student mural project
   Co-author(s): Samantha Fricano, Michelle Orsi, Anthony Randen, Ahmed Haris, Kristen Brandoff, David Oquendo, Klimentina Jauleska

   Presenters: Kathryn Strom  Advisor: Dr. Monica Taylor
   Title: Developing an urban teacher residency in dynamic times and spaces: The MSU/NPS UTR as a third space in teacher education  Co-author(s): Monica Taylor, Emily Klein, Cindy Onore

3. **Children – University Hall 2025**
   **Moderator: Dr. Laura Lakusta**

   Presenters: Anabella Bergamasco  Advisor: Dr. Jason Dickinson
   Title: Mr. Science—Germ Detective! A novel paradigm for manipulating disclosure histories for research on children’s eyewitness testimony

   Presenters: Inae Colucio, Jessica Batinjane, Kathryn Yuschak  Advisor: Dr. Laura Lakusta
   Title: Do infants really prefer more exciting objects?
4. Philosophy and Arts Education – University Hall 2032
Moderator: Dr. Tiger Roholt

Presenter: Justin Garcia
Advisor: Dr. Tiger Roholt
Title: Heidegger on authentic interaction towards the cultivation of skill

Presenter: Janet Mammen
Advisor: Dr. Tiger Roholt
Title: Arts and its influence on society

Presenter: Sean Skedzielewski
Advisor: Dr. Tiger Roholt
Title: Nihilism and the saving possibility of art

5. LGBTQ – University Hall 2040
Moderator: Dr. Danne Davis

Presenter: Marie Katelynn Altgilbers
Advisor: Dr. Elizabeth Valdez del Alamo
Title: Today’s social and political perspective of the lesbian artist

Presenter: Petra Fisher
Advisor: Dr. Danne Davis
Title: Queering children’s literature
Co-author(s): Danne Davis

Presenter: August Paule
Advisor: Dr. Lawrence Londino
Title: A Light in the Dark

6. Language and Cultural Identity – University Hall 2044
Moderator: Dr. Alice Freed

Presenter: Robson Albuquerque
Advisor: Dr. Alice Freed
Title: Revisiting William Labov’s Study: The social stratification of (r) in New York City department stores
Co-author(s): Kaitlin Ward

Presenter: Melany Lazo
Advisor: Dr. Elaine Gerber
Title: Otaku: Who are they?

Presenter: Chelsea Perino
Advisor: Dr. Christine Lemesianou
Title: Social media and participation: Impactful or ineffective?

Presenter: Sarah Sullivan
Advisor: Dr. Alice Freed
Title: Their as a singular pronoun in contemporary English

7. Literary Approaches – University Hall 3004
Moderator: Dr. Elizabeth Emery

Presenter: Christina Jen
Advisor: Dr. Lee Behlman
Title: The Oriental and the object in a transatlantic world

Presenter: Arian Murati
Advisor: Dr. Elizabeth Emery
Title: The hedgehog’s dilemma in Huis Clos

Presenter: Anay Rodriguez
Advisor: Dr. Linda Gould Levine
Title: Breaking gender constrictions within a liminal space
8. Chemistry – University Hall 3006  
Moderator: Dr. Saliya de Silva

Presenter: Matthew Rossi  
Advisor: Dr. Saliya de Silva  
Title: Novel fluorescent sensors for cations II

Presenter: Drilona Seci  
Advisor: Dr. David Konas  
Title: Electrophilic Fluorination of Chiral Piperidinone Lactams, Part 2

Presenter: Safa Tamimi  
Advisor: Dr. Saliya de Silva  
Title: Novel fluorescent sensors for cations I

Presenter: Safa Tamimi  
Advisor: Dr. David Konas  
Title: Electrophilic Fluorination of Chiral Piperidinone Lactams, Part 1

Presenter: Agnieszka Zieba  
Advisor: Dr. Johannes Schelvis  
Title: Evidence for concerted electron proton transfer in charge recombination in Escherichia coli Photolyase
Co-author(s): Caroline Richardson, Carlos Lucero, Senghane D. Dieng, Yvonne M. Gindt

9. International Finance – University Hall 3008  
Moderator: Avram B. Segall, Esq.

Presenters: Constantinos Bageorgos, Juan Carlos Flores, Gaetan Fanda  
Advisor: Dr. Younga Choi  
Title: Euro zone: The sovereign credit crisis in the euro zone

Presenters: Javier Godoy, Oscar Salas, Suyoon Shin, Ho Hang Yeung  
Advisor: Dr. Younga Choi  
Title: Emerging market: The rise of the BRICs countries

Presenter: Jennifer Hennion  
Advisor: Dr. Ben Hadis  
Title: War and Terror in Darfur

Presenter: Jonathan Reinhart  
Advisor: Avram B. Segall, Esq.  
Title: Ghost stories: An interdisciplinary analysis of extrajudicial executions and the CIA

10. Environmental Science – University Hall 3009  
Moderator: Dr. Stephanie Brachfeld

Presenter: Ayite Brown  
Advisor: Dr. Danlin Yu  
Title: Geographic information systems implementation of a transportation network modification using a non-formulaic methodology

Presenter: Casey Ezyske  
Advisor: Dr. Yang Deng  
Title: Review on landfills in New Jersey Superfund sites

Presenter: Melissa Hansen  
Advisor: Dr. Sandra Passchier  
Title: Determining middle Miocene through Pliocene changes in provenance and basal ice conditions through sedimentological analyses of subglacial diamicrites in AND-2A, Ross Sea, Antarctica

Presenter: Carl Natter  
Advisor: Dr. Stefanie Brachfeld  
Title: Environmental magnetism survey of a late Holocene sedimentary record from Barilari Bay, western Antarctic Peninsula

Presenter: Christina Soman  
Advisor: Dr. Meiyin Wu  
Title: Invasive plant management using hydroraking at the New Jersey School of Conservation
Co-author(s): Stephanie Lear
Poster Presentations
Block A: 8:45 am – 9:25 am

College of Education and Human Services
(Alphabetical by Presenter)

Title: Navigating the transition to academia: A multi-faceted graduate student development program (A1)
Presenter: Jessica Antonucci
Co-author(s): Edina Renfro-Michel, Kim O’Halloran
Advisor: Dr. Kim O’Halloran

Title: A preventative approach to social networking: Helping middle school students & parents connect successfully (A17)
Presenter: Stephanie Cappadona, Stephanie Bulgar
Advisor: Dr. Matthew Shurts

Title: Counseling for social justice: The use of an Ecotherapy approach (A20)
Presenter: Megan Delaney
Advisor: Dr. Gloria Pierce

Title: The perils of sexting (A40)
Presenter: Alexis DiMartino
Co-author(s): Janine Abbate, Sharon Hirsch
Advisors: Dr. Gloria Pierce and Dan Cinotti

College of Humanities and Social Sciences
(Alphabetical by Presenter)

Title: The 1967 Newark riots: How racial demographics affected the city (A5)
Presenter: Sabrina Conti
Advisor: Dr. Leslie Wilson

Title: Corruption by another name: The history and law of public procurement (A62)
Presenter: Alan DiDino
Advisor: Ellen B. Unger, Esq.

Title: The child witness: False memory recall and the challenge of providing credible testimony in court (A25)
Presenter: Dalia Elward
Advisor: Ellen B. Unger, Esq.

Title: Ethnic differences in interactive variables among Chinese, Hispanic and Caucasian mother-infant dyads (A35)
Presenters: Jonathan Eng, Jeffrey Saravia
Advisor: Dr. Peter Vietze

Title: Transnational feminist organizations (A45)
Presenters: Sandra Felz, Angela Almonte, Jessica DeProspero, Grace Momanyi, Deidre Davis
Advisor: Dr. Fawzia Afzal-Khan

Title: Alien: Reflections on immigration, propaganda, and fear (A55)
Presenter: John Ford
Advisor: Ellen B. Unger, Esq.

Title: Hedonic condensation and its opposite produced by a single set of stimuli (A13)
Presenter: Matthew Forsythe
Co-author(s): Elizabeth Cogan, Debra Zellner, Scott Parker
Advisor: Dr. Debra Zellner
Title: “Three Strikes and You’re Out” : The constitutionality of majoritarian sentencing guidelines (A23)
Presenter: Ross Fox
Advisor: Avram B. Segal, Esq.

Title: Do unto others: The fundamental interdependence of animal and human rights (A33)
Presenter: Alicia Gomez
Advisor: Ellen B. Unger, Esq.

Title: Born in the USA: The Fourteenth Amendment and birthright citizenship (A43)
Presenter: Sam Hanna
Advisor: Ellen B. Unger, Esq.

Title: Marijuana: The story of a demonized weed (A53)
Presenter: Hajra Jahic
Advisor: Ellen B. Unger, Esq.

Title: Have you tried therapy?: College students' perceptions of counseling and psychological services (A61)
Presenters: Afshan Ladha, Milton A. Fuentes, Ronald Bolesworth, Nina Ortiz, Faiza Sheikh, Shannon Varga
Advisor: Dr. Milton A. Fuentes

Title: 9/11, otherness, and the decline of multiculturalism (A2)
Presenter: Carolina Lopez
Advisor: Ellen B. Unger, Esq.

Title: Adults' non-linguistic representations of sources and goals in events (A28)
Presenter: Shanique McGowan
Advisor: Dr. Laura Lakusta

Title: Vis Viva: A philosophical discourse on the human genome, human rights, and patent Law (A38)
Presenter: Julia Guzal Merrill
Advisor: Ellen B. Unger, Esq.

College of Science and Mathematics
(Alphabetical by Presenter)

Title: Inflation: rising food and commodity prices and their impact on world economy (A3)
Presenters: Aesha Ahmed Ayar, Carolyn Godoy, Mirella Moawad
Advisor: Dr. Younga Choi

Title: Study the effect of copper and selenium on Cyanobacteria Synechococcus sp. IU 625 (A21)
Presenters: Jemima Akinsanya, Monica Rivera
Advisor: Dr. Lee H. Lee

Title: Study the potential usage of green tea polyphenol on antiseptics and antibiotics (A22)
Presenter: Sylvia Akuwudike
Co-author(s): Bobak Haghjoo
Advisor: Dr. Lee H. Lee

Title: Effect of combinations of heavy metals found in the World Trade Center dust on human lung cell behavior in vitro (A12)
Presenter: Katherine Alberco
Co-author(s): Jonathan Ortiz
Advisor: Dr. Ann Marie Di Lorenzo

Title: Locational analysis of regenerative marine minerals for sustainable agriculture (A24)
Presenter: Catherine Alexander
Advisor: Dr. Robert W. Taylor
Title: Characterization of the Inhibin Alpha Promoter for the construction of an ovarian-specific transgenic zebrafish expressing Icer I (A7)
Presenter: Caitlin Ament
Advisor: Dr. Carlos Molina

Title: Mapping the river miles of potential daylighting project in northeast New Jersey (A26)
Presenter: Omoniyi Asaolu
Co-author(s): Josh Galster
Advisor: Dr. Josh Galster

Title: Quantifying tropical forest biomass dynamics in the southern Sumatra using a combination of optical and radar remote sensed data (A27)
Presenter: Aslan Aslan
Advisor: Dr. Mark Chopping

Title: Prostacyclin inhibits proliferation of Jurkat T-lymphocytes (A18)
Presenter: Meritte Aziz
Co-author(s): Nicholas Wells
Advisor: Dr. Vladislav Snitsarev

Title: Product and sum connectivity indices of cyclic chemical graphs (A29)
Presenter: Katrina Bandeli
Advisor: Dr. Aihua Li

Title: Measuring meteorite properties (A30)
Presenter: Ann Bannister-Liekens
Advisor: Dr. Mary Lou West

Title: Radiotelemetry of the Eastern Hognose Snake (Heterodon platirhinos) at Cape Cod National Seashore (A31)
Presenter: Scott Buchanan
Co-author(s): Lisa Hazard
Advisor: Dr. Lisa Hazard

Title: Mapping ubiquitination sites on the transcriptional repressor ICER using site-directed mutagenesis (A32)
Presenters: Sirisha Bupathi Ethan
Co-author(s): Alex McClain
Advisor: Dr. Carlos Molina

Title: Effects of low level cadmium and lead found in dust from Sept 11th tragedy on human lung cells (A13)
Presenter: Amanda Burman
Co-author(s): Trista Powell, Jafar Abdollahi
Advisor: Dr. Ann Marie DiLorenzo

Title: Evaluation of different methods for isolation and purification of Cyanophage AS-1 (A34)
Presenters: Estefania Cabezas, Anna Slusarczyk
Advisor: Dr. Lee H. Lee

Title: Priming and sequencing of plasmids in Synechococcus sp. IU 625 (A8)
Presenters: James Cappello, Jose Perez, Aline de Oliveira
Advisor: Dr. Lee H. Lee

Title: When did female preference for male coloration evolve in poeciliid fish? A test of the sensory exploitation hypothesis (A36)
Presenters: Ariel Casner, Heather Fackelman
Advisor: Dr. Scott L. Kight
Title: **Survey of sea grass community structure in a UNESCO Biosphere Reserve (A37)**

Presenters: Christie Castellano, Stephanie Lear, Rachel Buechler

Advisor: Dr. Paul A. Bologna

Title: **Vortex induced oscillations and its potential energy harvest (A39)**

Presenter: Michael Cohrs

Co-author(s): Wayne Ernst, Ashwin Vaidya

Advisor: Dr. Ashwin Vaidya

Title: **The role of fungi in forest regeneration on contaminated soil (A4)**

Presenter: Juanita Cook

Co-author(s): Jennifer Adams Krumins

Advisor: Dr. Jennifer Adams Krumins

Title: **The mathematical effects of reduced physical activity (A41)**

Presenters: Shanakey Cupidon, Kimberly Manderano, Yasmin Begum, Zeeshan Khan, Ajmal Abed, Yuna Maeda

Advisor: Dr. Diana Thomas

Title: **Enzyme mediated transformation of 2, 4, 6-Trinitrotoluene (TNT) by vetiver grass (Chrysopogon zizanioides L.) from soil in the presence of urea (A42)**

Presenter: Padmini Das

Co-author(s): Dibyendu Sarkar, Pravin Punamiya, Rupali Datta

Advisor: Dr. Dibyendu Sarkar

Title: **Pollen analysis of lake sediment at the NJ School of Conservation (A14)**

Presenter: Lisa Davies

Co-author(s): Idali Rios

Advisor: Dr. Mary Egan

Title: **FRET analysis of ICER binding to double-stranded DNA (A44)**

Presenter: Mark DeMilio

Co-author(s): Franklin Paulino, Johannes Schelvis, Carlos Molina

Advisor: Dr. Johannes Schelvis

Title: **Analysis of land use constraints for bus rapid transit development across the northern New Jersey region (A9)**

Presenter: Joseph Di Gianni

Advisor: Dr. Rolf Sternberg

Title: **Relict Brook Trout population assessment in the South Branch of the Raritan River headwaters, Mt. Olive, New Jersey (A46)**

Presenter: Luke Diglio

Advisor: Dr. Paul A. Bologna

Title: **Wildlife disease in New Jersey: detecting the water-borne pathogen; Batrachochytrium dendrobatidis; in state amphibians and their habitat (A47)**

Presenter: Paola Dolcemascolo

Advisor: Dr. Kirsten J. Monsen

Title: **Relationship between reflectance magnitude and anisotropy of the arctic vegetation and MISR data (A48)**

Presenter: Rocio R. Duchesne

Co-author(s): Mark Chopping

Advisor: Dr. Mark Chopping
Title: Cricket aggression related to availability of resources (A49)
Presenters: Anne Enriquez, Fabienne Bozor, Benjamin Ogundele, Eddy Valdes
Advisor: Dr. Dirk Vanderklein

Title: Geospatial analysis of sustainable urban brownfield redevelopment (A50)
Presenter: Amy Ferdinand
Advisor: Dr. Danlin Yu

Title: Flooding in New Jersey (A51)
Presenter: Diana Flores
Advisor: Dr. Josh Galster

Title: Study of the combination effects of Selenium and Zinc on Anacystis nidulans (A52)
Presenters: Lesley Gentles, Shardee Janica
Advisor: Dr. Lee H. Lee

Title: Behavioral aversion of Ambystoma maculatum to road deicers: Are alternative deicers really more “environmentally friendly”? (A15)
Presenter: Sherif Gerges
Advisor: Dr. Lisa Hazard

Title: Effect of physical activity on weight change (A54)
Presenter: Javier Godoy
Co-author(s): Anthony Criscitello
Advisor: Dr. Diana Thomas

Title: Sea Urchin population assestement in St John; USVI (A63)
Presenters: Jaryda Gonzalez, Jikai Xu, Ariell Hopkins
Advisor: Dr. Paul A. Bologna

Title: Mangrove Diversity in St. John (A56)
Presenters: Gabrielle Habina, Alexa Hasselman, Sophia Hernandez, Jose Bazan
Advisor: Dr. Paul A. Bologna

Title: Study of pH and genotoxicity on pulmonary fibroblasts after exposure to Market Street World Trade Center particulate matter (A57)
Presenters: Michelle Hernandez, Sung Choi
Co-author(s): Fahad Rouf
Advisor: Dr. Ann Marie DiLorenzo

Title: Comparing word stemmers for source code analysis (A58)
Presenters: Valerie Ho, Andrew Wiese, Emily Hill
Advisor: Dr. Emily Hill

Title: Migration of zooplankton (A59)
Presenter: Farjana Huq
Co-author(s): Marco Finocchiaro, Timothy McGullam, Merari Mejia
Advisor: Dr. Paul A. Bologna

Title: The influence of watershed shape and glacial history on the scaling of river discharge with drainage area (A60)
Presenter: Tarique Islam
Advisor: Dr. Josh Galster

Title: Effects of Phragmites australis on soil organic content of tidal salt marshes (A16)
Presenter: Gabriel Jimenez
Co-author(s): Christina Soma, Natalie Sherwood
Advisor: Dr. Meiyin Wu
**School of Business**  
(*Alphabetical by Presenter*)

**Title:** Impact of eco-friendly product and packaging strategies on consumer information processing (A6)  
**Presenter:** Naz Onel  
**Advisor:** Dr. Dibyendu Sarkar and Dr. Avi Mukherjee

**Title:** An integrated marketing plan for Mountainside Hospital's Cardiology Department (A11)  
**Presenter:** Gina Stampone  
**Advisor:** Dr. Yam Limbu

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**Poster Presentations**  
*Block B: 10:50 am – 11:30 am*

**College of Education and Human Services**  
(*Alphabetical by Presenter*)

**Title:** The co-occurrence of substance use disorders and eating disorders (B1)  
**Presenters:** Lisa Ellis, Kaitlin Deitz  
**Advisor:** Dr. Matthew Shurts

**Title:** Funding research with women and girls: What works? (B40)  
**Presenter:** Megan Koster Gordon  
**Co-author(s):** Muninder K. Ahluwalia  
**Advisor:** Dr. Muninder K. Ahluwalia

**Title:** Internet addiction - Is it time to unplug? (B21)  
**Presenters:** Denise Gorski, Jenny Busanic  
**Advisor:** Dr. Matthew Shurts

**Title:** Reculturation: Reclaiming birth culture (B31)  
**Presenter:** Lisa Treweeke  
**Advisor:** Dr. Amanda Baden

**Title:** Counseling and criminal justice for women: Deconstructing the prison crucible (B41)  
**Presenter:** Claire Wooloff  
**Advisor:** Dr. Vanessa Alleyne

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**College of Humanities and Social Sciences**  
(*Alphabetical by Presenter*)

**Title:** Pregnancy discrimination and the counter-effects of the mixed-motive defense (B6)  
**Presenter:** Adriana Montero  
**Advisor:** Avram B. Segall, Esq.

**Title:** An interdisciplinary analysis of the effects of the FCC's regulation of fleeting expletives (B15)  
**Presenter:** Sarah O'Connor  
**Advisor:** Avram B. Segall, Esq.

**Title:** Last rights: End of life decisions and the conflicted relationship between physician-assisted suicide and religion (B25)  
**Presenter:** Ece Odunkesenler  
**Advisor:** Avram B. Segall, Esq.

**Title:** Euphoria: The history and regulation of marijuana use (B35)  
**Presenter:** Osakponmwen Omoruyi  
**Advisor:** Ellen B. Unger, Esq.
Title: **Capital punishment: A global perspective (B45)**  
Presenter: Doreen Osafo-Darko  
Advisor: Ellen B. Unger, Esq.

Title: **Carry on my wayward son: Guns, rights, and the American desire to come armed (B55)**  
Presenter: Valerie Palma-DeLuisi  
Advisor: Ellen B. Unger, Esq.

Title: **Disenfranchisement of felons: Just punishment or just plain wrong? (B12)**  
Presenter: Mary Person  
Advisor: Ellen B. Unger, Esq.

Title: **To kill a jailbird: The ethics and constitutionality of lethal injection (B22)**  
Presenter: Brittany Reed  
Advisor: Ellen B. Unger, Esq.

Title: **Imprisonment as injustice: A study of inmate human rights (B32)**  
Presenter: Kate Schaefer  
Advisor: Ellen B. Unger, Esq.

Title: **PTSD as a defense for veterans (B42)**  
Presenter: Edward Velky  
Advisor: Avram B. Segall, Esq.

Title: **The myth of sex offender rehabilitation (B52)**  
Presenter: Cory Walz  
Advisor: Ellen B. Unger, Esq.

Title: **I do: The meaning and future of marriage in America (B60)**  
Presenter: Charissa Wijaya  
Advisor: Ellen B. Unger, Esq.

Title: **Emancipation abdication: America’s criminal justice system and the institutionalization of 21st century slavery (B18)**  
Presenter: Gaecia Yaw  
Advisor: Ellen B. Unger, Esq.

Title: **Noise and reverberation effects on BCI users virtual localization ability (B29)**  
Presenter: Yunfang Zheng  
Co-author(s): Janet Koehnke, Joan Besing, Jaclyn Spitzer  
Advisor: Dr. Janet Koehnke

Title: **Girls just want to have sons: The reality, motivation, and ethics of gender preference (B39)**  
Presenter: Rachel Zilberfein  
Advisor: Ellen B. Unger, Esq.

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**College of Science and Mathematics**  
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Title: **Commercial horticulture in Kenya savanna lands and vulnerability of watersheds in a changing climate (B3)**  
Presenter: Faith Justus  
Advisor: Dr. Mark Chopping

Title: **Behavioral and physiological affects of Increased Salinities in amphibians (B13)**  
Presenters: Erika Koelmel, Madelyn Gonzalez-Abreu  
Co-author(s): Lisa Hazard  
Advisor: Dr. Lisa Hazard

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Title: Selenium effect on cadmium in cyanobacteria synechococcus sp. IU 625 (B23)
Presenters: Sakina Ladha, Hinal Joshi
Co-author(s): Hinal Joshi
Advisor: Dr. Lee H. Lee

Title: Development of a rapid method for detection of bloom-forming cyanobacteria and algae in selected New Jersey waterbodies (B24)
Presenters: Stephanie Lear, Ben Ondimu
Advisors: Dr. Lee H. Lee and Dr. Meiyin Wu

Title: Perception of community improvement and environmental justice as determinants of brownfield redevelopment success in Passaic County New Jersey (B8)
Presenter: Shevon Letang
Advisor: Dr. Robert W. Taylor

Title: Analysis of RET downregulation and degradation in transfected VERO cells (B26)
Presenter: Shani Maslovski
Advisor: Dr. Quinn Vega

Title: Collaborative partnerships through Brownfield Showcase Communities (B27)
Presenter: Schenine Mitchell
Advisor: Dr. Robert W. Taylor

Title: Inhibition of Sindbis viral infection in cultured Vero cells using glycyrrhizin (B28)
Presenter: Yvonne Okereke
Advisor: Dr. Sandra Adams

Title: Combination effects of green tea polyphenols; curcuminoids; and red algae polysaccharides on antibiotics and antiseptics (B7)
Presenters: Mohamed Olabi, Konrad Starczak
Co-author(s): Bobak Haghjoo
Advisor: Dr. Lee H. Lee

Title: Gauging the success of the Licensed Site Remediation Professional Program (B65)
Presenter: Robert Oleksy
Advisor: Dr. Robert W. Taylor

Title: Impact of eco-friendly product and packaging strategies on consumer information processing (B4)
Presenter: Naz Onel
Advisors: Dr. Avi Mukherjee, Dr. Dibyendu Sarkar

Title: Study of Antarctic Wilkes Land margin sediment core to determine Pliocene ice sheet dynamics (B14)
Presenter: Nadine Orejola
Advisor: Dr. Sandra Passchier

Title: Analysis of the steroids Norgestrel and Progesterone by selected reaction monitoring using high performance liquid chromatography/tandem mass spectrometry with atmospheric chemical ionization (B33)
Presenter: Daniel Palermo
Co-author(s): Youseff Ali
Advisor: Dr. Jack Isidor

Title: NMR study of the associative behavior of oonic liquids in polar and non-polar solutions (B34)
Presenter: Gregory Parker
Co-author(s): Michael Little
Advisor: Dr. Jack Isidor
Title: Role of PC12 cells in neural experimentations (B9)
Presenter: Nadia Pasquale
Advisor: Dr. Quinn Vega

Title: Transcriptional regulation of the putative tumor suppressor ICER (B36)
Presenter: Dipika Patel
Co-author(s): Carlos Molina
Advisor: Dr. Carlos Molina

Title: Towards a next generation green data center (B37)
Presenter: Michael Pawlish
Advisor: Dr. Aparna S. Varde

Title: The history and wildlife of Dundee Island (B38)
Presenter: Jennifer Prawetz
Advisor: Dr. Gregory Pope

Title: The role of ASIC-BK interaction in vesicular release (B20)
Presenters: Tricia Prince, Jennifer Guercio
Co-author(s): Elena Petroff
Advisor: Dr. Elena Petroff

Title: Synthesis and characterization of 5, 10-Methenyltetrahydrofolic Acid (B40)
Presenter: Ivana Prokopova
Advisor: Dr. Johannes Schelvis

Title: Sorption of Tetracycline by Al-based drinking water treatment Rresiduals: Preliminary results (B5)
Presenter: Pravin Punamiya
Co-author(s): Dibyendu Sarkar, Rupali Datta
Advisor: Dr. Dibyendu Sarkar

Title: Synchrotron radiation analysis of micro-scale metal distribution in plant roots and sediments and transfer between plants and sediments in rhizosphere (B2)
Presenter: Yu Qian
Advisor: Dr. Huan Feng

Title: Study and characterization of pharmaceuticals in the environment (PIE) using Zebrafish as a vertebrate model (B43)
Presenter: Anila Rambahal
Co-author(s): Dibyendu Sarkar
Advisor: Dr. Carlos Molina

Title: The role of ASIC1a in ASIC-BK channel interaction and glial proliferation (B44)
Presenters: Arianna Reuven, Jennifer Guercio
Co-author(s): Elena Petroff
Advisor: Dr. Elena Petroff

Title: Measurement of the lifetime of charged muons in cosmic rays (B10)
Presenter: Timothy Riesz
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Title: Quasar color variations in outbursts (B46)
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Co-author(s): Garrett Nieddu
Advisor: Dr. Mary Lou West
Title: Simulated ground-water flow model of the Lake Chad Basin, Africa (B47)
Presenter: Sagarika Roy
Co-author(s): Charles Usiaphre
Advisor: Dr. Duke Ophori

Title: Sustainable mineral development: The case of gold mining stakeholders of Ghana (B48)
Presenter: Aimann Sadik
Advisor: Dr. Robert W. Taylor

Title: Tick (Ixodes scapularis) surveillance at the New Jersey School of Conservation (B49)
Presenter: Nathaly Salazar-Vasquez
Co-author(s): Mary Egan
Advisor: Dr. Mary Egan

Title: Diphenhydramine influences development and hatching of a freshwater pulmonate snail (B50)
Presenter: Diana Sanchez
Advisor: Dr. Robert S. Prezant

Title: On the transport of biomass materials (B51)
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Co-author(s): Mehrdad Massoudi, Ashwin Vaidya
Advisor: Dr. Ashwin Vaidya

Title: The affect of Triptolide on lysosomal-mediated apoptosis in cancer cells (B16)
Presenter: Juan Sanchez
Co-author(s): Reginald Halaby
Advisor: Dr. Reginald Halaby

Title: Integration and visualization techniques for Nucleotide Sequence Databases (B53)
Presenter: Donald Seraydarian
Advisor: Dr. Katherine Herbert

Title: Functional morphology of Lissarca notorcadensis (Bivalvia: Philobryidae) (B54)
Presenter: Rebecca M. Shell
Co-author(s): Robert S. Prezant
Advisor: Dr. Robert S. Prezant

Title: Habitat selection criteria by wood turtles (Glyptemys insculpta) in New Jersey (B63)
Presenter: Natalie Sherwood
Advisor: Dr. Meiyin Wu

Title: Effect of cadmium contaminated soils on dry matter yield of raya (Brassica juncea) and spinach (Spinacia oleracea) (B56)
Presenter: Virinder Sidhu
Co-author(s): Mahinderpal Khurana
Advisor: Dr. Dibyendu Sarkar

Title: Health risk assessment of ground water arsenic contamination in Bihar (India) and related socio-Economic challenges (B57)
Presenter: Sushant Singh
Co-author(s): Ashok Ghosh
Advisor: Dr. Dibyendu Sarkar

Title: Medical imaging information security (B58)
Presenter: Aarti Sojitra
Co-author(s): Ming Yang
Advisor: Dr. Ming Yang
Title: **Updated pressure and temperature determinations for the metapelites of the Lower Hudson Valley: Harriman State Park, NY (B59)**
Presenter: Eric Sonnenwald
Advisor: Dr. Matthew Gorring

Title: **Analysis of the transcriptional regulation of RET isoforms with GDNF treatment (B17)**
Presenter: Joan Soon
Co-author(s): Binta Jalloh
Advisor: Dr. Quinn Vega

Title: **Using green methods to mitigate flooding (B61)**
Presenter: Elizabeth Stagg
Advisor: Dr. Josh Galster

Title: **The Clean Water Act and land use: nexus or not? (B62)**
Presenter: Benjamin Witherell
Co-author(s): Huan Feng, Danlin Yu
Advisor: Dr. Huan Feng

**School of Business**
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Title: **Role of social media for raising awareness of Saint Peter's University Hospital's Diabetes Center (B11)**
Presenter: Alan Alam
Advisor: Dr. Yam Limbu

Title: **Marketing the Matheny Medical and Educational Center: Promoting a cause (B64)**
Presenter: Jessica Borg
Advisor: Dr. Yam Limbu

Title: **Perceived role of technology in physician environments: A conceptual framework (B30)**
Presenter: Dino Livakovic
Advisor: Dr. Avi Mukherjee
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