

Schedule

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

Presenter: Mahdey Salhab Advisor: Ellen B. Unger, Esq.
 Title: **Ground Zero: The First Amendment battle between land use and public sentiment**

Presenter: Sterling Santamaria Advisor: Ellen B. Unger, Esq.
 Title: **Wealth as justice**

Presenter: Angeliki Sergonis Advisor: Dr. Elizabeth Valdez del Alamo
 Title: **Brancusi's *Bird in Space* and defining "Art"**

Presenter: Bethanne Sonne Advisor: Ellen B. Unger, Esq.
 Title: **Post 9/11 and the rise of Orwellian America**

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

Presenter: Jaclyn Buglino Advisor: Dr. Naomi Liebler
 Title: **A reevaluation of female significance**

Presenter: Kristen Hariton Advisor: Dr. Neil Baldwin
 Title: **The evolution of dramaturgy through technology: *The Grapes of Wrath***

Presenter: Stephen Kaplan Advisor: Dr. Jane Peterson
 Title: **That's why the lady is a tramp**

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

Presenter: Leslie Cheteyan Advisor: Dr. Johathan Cutler
 Title: **The roller-coaster conjecture**

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

Presenter: Jennifer Feiner Advisor: Dr. Aihua Li
 Title: **Product and sum connectivity indices of certain trees**

Presenter: Stewart Hengeveld Advisor: Dr. Aihua Li
 Title: **Advanced algebraic methods in solving complex systems and enhancing GK-12 education**

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

Presenter: Matthew Vieira Advisor: Dr. A. David Trubatch
 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 Advisor: Dr. Lora Billings
 Title: **Dynamics of disease spread of linked populations**

Presenter: Aline de Oliveira Advisor: Dr. Sandra Adams
 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 Advisor: Dr. Lee H. Lee
 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 Advisor: Dr. Lora Billings
 Title: **Stochastic epidemiological models with linear migration**

Presenter: Christina Jen Advisor: Dr. Antoinette Pole
Title: **The Child Online Protection Act: Its failure and its impact**

Presenters: Jennifer Krynicki, Lauren Jacquemin Advisor: Dr. Gloria Pierce
Title: **Equine-facilitated psychotherapy and children**

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**

Presenter: Juan E. Villegas Advisor: Dr. Linda Gould Levine
Title: **Indigenous America: A journey through poetry and mud**

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 diamictites 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 hydrotanking 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 DeProspo, 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 DiLorenzo
- 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 Iγ (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 assessment 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

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

**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.

**College of Science and Mathematics
 (Alphabetical by Presenter)**

- 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

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 ionic 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 Residuals: 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 Rambal
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
Advisor: Dr. Mary Lou West

Title: **Quasar color variations in outbursts (B46)**
Presenter: Matthew Rossi
Co-author(s): Garrett Nieddu
Advisor: Dr. Mary Lou West

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