Program for the 2024
University of Houston-Clear Lake
Student Conference
for Research & Creative Arts
April 22th – April 27th
Monday, April 22\textsuperscript{th} through Saturday, April 27\textsuperscript{th}, 2024

College of Human Sciences and Humanities

All Week. Art Gallery, Bayou
Faculty Chair: Clay Leonard

Title: Art exhibits by students in the BFA Exhibition.

Student Participant:

- Stephanie Ables
- Emily Albritton (1st Place)
- Jarod Alexander
- Nallely Arroyo (Honorable Mention and Dean's Award)
- Frank Borrego
- Laura Baker
- Alyssa Chapa
- Andrea Chinea
- Caleb Dues
- Renee Eaton
- Rafael Galindo (3rd Place)
- Catherine Guzman
- Zoe Green
- Katelynne Hall
- Jessica Hines (Best in Show)
- Megan Lively
- Danielle McDonald
- Yazmin Medina (2nd Place)
- Stephanie Ruiz
- Pablo Perdomo (Honorable Mention)
- Sarah Pulido
- Alex Schroeder
- Kaylyn Sellers
- Catherine Siebert
- Ahammad Ullah
- Annalisa Vasquez
- Cooper Walker (1st Place)
- Kelley Whitehead
Monday, April 22, 2024
College of Human Sciences and Humanities

Plenary Session
9:00 a.m. Forest Room
Faculty Chair: Giazú Enciso Domínguez

Guest Speakers:
Yvonne Russell:
   Title: The Ethics of Love Between Traditional Gender Roles.
Cindy Razo:
   Title: Un-whitening self-care: A non-western approach to Latinx caring community.
Emily de Dios Femicides:
   Title: A discourse analysis on how Mass Media approaches hate crimes.
Haley Briggs:
   Title: Women speaking up! A Narrative Production analysis on Violence.

Title: Attachment Anxiety In Relationships.
Presenter: Madison N. Lyons

Title: The Inaccessibility of Third Places in the South Houston Suburbs.
Presenter: Aspen L. Truman

Title: The Struggle of Youngsters with Drug Abuse Uncovered.
Presenter: Rohin Raju

Title: Food Insecurity and Self Perception in College Students.
Presenter: Andrew Martin

Title: The Cyclical Nature of Poverty: The Effects of Redlining on Student Outcomes.
Presenter: Julia K. Farmer

Title: Social Media: Helping Bridge the Gap on Mental Wellness.
Presenter: Haley E. Mumper

Title: Music and Identity.
Presenter: Hudson V. Murray

Title: Critical Understanding of Familism.
Presenter: Katerin Y. Rodriguez
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<th>Title</th>
<th>Presenter</th>
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<tr>
<td>Male Sexual Assault.</td>
<td>Savannah Knight</td>
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<td>Behavioral Mimicry's Application towards Study Groups.</td>
<td>Kezia Vinu</td>
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<td>How social environments impact the mental health of children living in split homes.</td>
<td>Ashley N. Garcia</td>
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<td>Post-partum Depression in Young Mothers.</td>
<td>Anslee K. Segers</td>
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<td>Pay Gap Between Female and Male Golfers.</td>
<td>Saikati N. Gikonyo</td>
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<td>Final Presentation.</td>
<td>Alejandro Gonzalez Perez</td>
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<td>Borderline Personality Disorder in Women</td>
<td>Brianna M. Maldonado</td>
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<td>Moving Towards the Positive Integration of Religious and Sexual Identities</td>
<td>Abbie Chohrach</td>
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<tr>
<td>Contemporary Topics on Social Psychology.</td>
<td>Emerson Greer</td>
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<tr>
<td>The Effect That the Implicit Biases Held By Medical Professionals Have on Black Women’s Health Outcomes</td>
<td>Alexis Johnson</td>
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<td>The Effects of Abortion Restrictions on Minority Women</td>
<td>Elizabeth McGee</td>
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<tr>
<td>Contemporary Topics on Social Psychology.</td>
<td>Claire McGuire</td>
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<tr>
<td>Collective Singing and its Unique Impact on Social Bonding within Communities</td>
<td>Ashlee Parchmont</td>
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</table>
Title: Contemporary Topics on Social Psychology.  
Presenter: Grayson Pitman

Title: Contemporary Topics on Social Psychology.  
Presenter: Jade Taylor

Title: Contemporary Topics on Social Psychology.  
Presenter: Sakura Thomas

Title: The Ramifications of Fake News.  
Presenter: Emily Wollam
Monday, April 22, 2024

College of Human Sciences and Humanities

9:00 a.m. – 10:20 p.m. Bayou 3606
Faculty Chair: Kelsey James

Title: Weight Bias in Media Exposure.
Presenter: Maria G. Sosa Mendoza

Title: The Effectiveness of Reading versus Listening to Class Content Among Grad Students.
Presenter: Lizjalet J. Rodriguez

Title: Task Rotation and Worker Satisfaction.
Presenter: Fabian Garza

Title: Perceptions of Disability and Inspiration.
Presenter: Ashton M. Taylor

Title: Impact of Positive Feedback on Stress Levels and Arithmetic Performance.
Presenter: Maria Ahmed

Title: Color-Meaning Associations and Implicit Racial Bias.
Presenter: Emma Hildebrand

Title: Multitasking and Memory in Academic Settings.
Presenter: Courtany A. Shelby

Title: Congruence of Background Color and the Perception of Facial Emotion.
Presenter: kylie Forgy

Title: The Effects of Multimedia on Attention Span and Information Retention.
Presenter: Gift Dickerson

Title: Brief Sound Bath Effects on Mood Enhancement.
Presenter: karen Rodriguez

Title: Does Writing Positively Decrease Pessimism?
Presenter: Carolina C. Almeida

Title: Does the Music Really Help?: The Effects of Background Noise on Test Performance.
Presenter: Giuseppe Rossi
Title: Trust in Medical Professionals Using Diagnostic AI and Perceived Accuracy of Diagnoses.
Presenter: Megan Keaster

Title: The Effect of Mental Active Recall Techniques on the Retention of Short Form Video Content.
Presenter: Dana S. Kongo

Title: An Exploration of Auditory Aids in Cognitive Tasks.
Presenter: Paige N. Simpson

Title: The Degenerative Effect of the "AI-Generated" Label on Subjective Appreciation of Visual Arts.
Presenter: Diego Salazar

Title: Reading and Cognitive Speed.
Presenter: Kelsie Cockeram

Title: The Influence Social Media has on Self-Esteem.
Presenter: Kaitlyn Cantu

Title: The Effects of Employment on Students: Work-Life Balance, Stress, and GPA.
Presenter: Sierra Morales

Title: Perceived Aggression in Athletes.
Presenter: Maia Schrempp
Title: Low Cost Long-Lasting Valve Seal.
Presenter: Victor Guevara, Arlan Catney, Olivia Freeman, Richard Grumbles, Andrew Klein, Abdullah Nazzal, and David Patino

Title: Mobile Water Reclamation System for Solar Panel Maintenance in Arid Regions.
Presenter: Aidan Byrne, Matt Alatorre, David Cardozo, Jeffrey Gleasman, Gabriel Salazar, Herberto Salgado, Walker Sharpe, and Diego Zuniga

Title: Boat Riding Using NASA Technology.
Presenter: Oscar Francorodriguez, Michael Schoppa, Luke Sammons, Julio Pinzon Jimenez, Thanh Pham, Darin Kliesing, Dawson Gonzalez, and Avery Barrera
Monday, April 22, 2024
College of Science and Engineering

11:30 a.m. – 1:00 p.m. STEM 2101
Faculty Chair: Youssef Hamidi

Title: Filament Winding Updates.
Presenter: Richard R. Campos

Title: Autoclave and Prepreg Processing.
Presenter: George Janho

Title: Vacuum-Assisted Resin Transfer Molding.
Presenter: Josue Montemayor

Title: Pultrusion as a Composite Manufacturing Technique.
Presenter: Sheikh T. Hussain

Title: Compression Molding for Composite Materials.
Presenter: Jeremy Maher
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<th>Title</th>
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<tr>
<td>Discussing intersectionality: Race, Sex and Sexual Orientation in Contemporary Topics</td>
<td>Professor Laura Kanter</td>
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<td>Critical Understanding of Familism.</td>
<td>Katerin Y. Rodriguez</td>
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<tr>
<td>Traditional Masculinity on Help-Seeking in Black Men.</td>
<td>Nneka Akpotaire</td>
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<tr>
<td>The Hidden Challenges of Undocumented Sex Trafficking Victims</td>
<td>Yasmin C. Banda</td>
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<td>Latinas and Intersectionality</td>
<td>Kimberly Briseno</td>
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<tr>
<td>Intersecting Realities: Exploring Social Dynamics and Health Disparities within the Black Community.</td>
<td>Maya Brooks</td>
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<td>Intersectionality on Black women</td>
<td>Angela Helom</td>
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<td>Machismo in the Modern Latinx Household</td>
<td>Monica Palma</td>
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<tr>
<td>A Seat at the Table: LGBTQ+ Women of Color in Museums</td>
<td>Marguerite Taillac</td>
</tr>
<tr>
<td>Intersectionality</td>
<td>Jasmine Trevino</td>
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</table>
Title: The Unveiling Truth of the Healthcare System Towards Black Pregnant Women
Presenter: Christina Vega

Title: ¡Sí, se puede! (Yes, we can!) - Latina Leadership in the U.S.
Presenter: Karen Rodriguez
Monday, April 22, 2024
College of Education

5:00 p.m. – 6:30 p.m. Bayou 2237
Faculty Chair: Neelofer Tajani

Title: Rock and Roll.
Presenter: Gabriela De Freitas Leite Dos Reis

Title: Let’s Play with Cars.
Presenter: Mehak Panjwani

Title: Ready for Rain.
Presenter: Heather Rittenour

Title: Saving our Planet Earth.
Presenter: Lizbethe Canales
Monday, April 22, 2024
College of Human Sciences and Humanities

7:00 p.m. Pearland 113
Faculty Chair: Lisa Sublett

Title: Passing the Buck: A study on the impact of leadership style on psychological safety of employees and the likelihood of the presence of the bystander effect.
Presenter: Marisa Mortensen, Saloni Desai, Mallori Sims, Genesis Terrazas

Title: Gender Bias and Participative Leadership.
Presenter: Julie Castillo, Lizet Pollen, David Portillo, Kaneisha Williams, Leyinska Alicea-Rodriguez

Title: Unveiling Leadership and Self-Efficacy Disparities Across Demographics in STEMM Professions: A Women’s Perception.
Presenter: Taylor Houston, Saman Imran, Yasiry Lerma, and Alaina Manucso

Title: Remote Work and the Impact on Teams in the Workplace.
Presenter: Cassidy Merritt, Trine Rodriguez, Zéna Williams, and Johnelle Williams
Title: Handheld Soft Robotics.
Presenter: Michael Schoppa, Abdullah Nazzal, Jose Ramirez, Mario Rodriguez

Title: Design and Manufacturing of a Sheet Metal Lamp.
Presenter: Aidan Byrne, Jerald Begay, Mohamad Elkhader, Alberto Torres, and Kelvin Bonilla

Title: Reverse Osmosis Desalination.
Presenter: Saifeel Maknojia, David Cordozo, Hunter Diaz, Joseph Gibson, and Brant Taylor

Title: Compacted Innovated Winmill Manufacturing.
Presenter: Diego Trejo, Moshin Mirchandani, Victor Guevara, and Jose Galdamez Mario

Title: Design and manufacturing of an internal combustion engine.
Presenter: Luke Sammons, Walker Sharpe, Tiger Xue, and Ailin Ocejo
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<tr>
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<tr>
<td>Life Cycle of Plants</td>
<td>Najia Ali, Autumn Hodges, Annette Mercado</td>
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<td>A Dog's Life</td>
<td>Kyleigh Elgin, Candace Peyrefitte, Alyssa Skillern</td>
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<td>All about Chickens</td>
<td>Gloria Castillo, Kaylee Valentine</td>
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<td>The Frog Project</td>
<td>Elizabeth Edinburgh, Lizeth Parras, Marina Sanchez</td>
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<td>Watch us Grow</td>
<td>Lorraine Campos, Amber Jepson, Adriana Soto</td>
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Tuesday, April 23, 2024
College of Human Sciences and Humanities

Poster Session
4:00 p.m. Bayou 3607
Faculty Chair: Christal Seahorn

Title: Mental Health Stigma: A Barrier to Seeking Help Among UHCL College Students.
Presenter: Amber M. Carter

Title: Unplugged: Digital Media Use and Sleep in College Students.
Presenter: Anna S. Abrego Soriano

Title: ADHD and Study With Me: The Implications of Online Body-Doubling on Executive Function.
Presenter: Kezia Vinu
Title: Navigating Time: Enhancing Time-Management Skill for First-Generation Graduate Students Through Goal-Setting Interventions.
Presenter: Herlisa Gumbs

Title: The Effectiveness of IXL in a 6th Grade Mathematics Classroom.
Presenter: Denise Martinez

Title: A Study of Student Perspectives on Academic Support Services at the University Level.
Presenter: Matthew W. Chan

Title: The Quality of Instruction in a Social Studies Classroom.
Presenter: Yamilet Quintanilla

Title: Supporting Online Assessments.
Presenter: Haleigh Conklin
Tuesday, April 23, 2024

College of Human Sciences and Humanities

7:00 p.m. – 8:30 p.m. Bayou 2236
Faculty Chair: Christine Kovic

Title: Bolivian Foodways in the Greater Houston Area
Presenter: Tria M. Van Horn

Title: Changing Foodways and Health among Mexican Americans
Presenter: Cristal Cortez

Title: Food as a Tie to Home: Zimbabwe to Houston
Presenter: Erin Graham

Title: Food Security and Gender: From Liberia to Houston
Presenter: Mokua Makori

Title: Persian Foodways in Texas: One Refugee’s Story
Presenter: Pete Torres
Title: Is there a significant relationship among divorce and separation, due to age, sex, race, and financial stability.
Presenter: Angelice N. Smith, Adriene Williams, Angelica Gonzalez, and Kate Ledwith

Title: Analyzing Relationships Between Marital Status, Number of Children, and Whether an Individual Feels They Are Spending an Appropriate Amount on Childcare.
Presenter: Ashlee T. Parchmont, Gilliam Respondek, Krissy Pena, and Martha Gonzalez

Title: Relationship Between Happiness, Employment Status, and Gender.
Presenter: Anna S. Abrego Soriano, Savannah Graves, Isabel Diaz, and Nick Rodriguez

Title: Relationship between Work and Personal Life.
Presenter: Preston S. Walker, AJ Blando, Christina Hernandez, and Bella Flores

Title: Examining the Interplay Between Socioeconomic Class, Happiness, and Age
Presenter: Madalyn I. Bazan, Mariah Sosa, and Arlett Ibarra

Title: Does a Mother’s Occupation Impact Her Relationship with Her Child?
Presenter: Elizabeth Casas, Elia Carter, and Mercedes Miller

Title: Relationship Between Number of Children and Health
Presenter: Vanessa Keith, Sydney Ragone, and Therese Bryan
Title: Easy-Shade Umbrella  
Presenter: Sylas Anderson, Tiger Xue, Jose Ramirez, Samuel Rojas, Mario Galdamez, Brayan Diaz, Moshin Mirchandani, and Mario Rodriguez

Title: Dust Tolerant Quick Disconnect.  
Presenter: Kelvin Bonilla, Peter Bowling, Ros’Lynn Charles, Joseph Gibson, Saifeel Maknojia, Gilmart Roman, Luis Salinas, Diego Trejo

Title: Inflatable Structure for Multi-Situational Use  
Presenter: Jerald Begay, Adam G Kennedy, Alberto Leon, Magaly N Chavarria, Elias N Fuentes, Ricardo Arechiga De La Rosa
Wednesday, April 24, 2024

College of Science and Engineering

11:30 a.m. – 1:00 p.m. STEM 2101

Faculty Chair: Youssef Hamidi

Title: Injection Molding as a Composites Manufacturing Process.
**Presenter:** Christopher Garcia

Title: Resin Transfer Molding Process for Composite Manufacturing.
**Presenter:** Hunter C. Van Wagner

Title: Wet Lay-Up-Vacuum Bagging Manufacturing of Composite Materials.
**Presenter:** Brock O. Helpenstill

Title: Liquid Composite Manufacturing.
**Presenter:** Kain J. Aguirre
Wednesday, April 24, 2024
College of Science and Engineering

Poster Session
1:00 p.m. - STEM2113
Faculty Chair: Sachiyo Mukherji

Title: The Eco-Friendly Solution: How Composting Reduces Waste in Landfills.
Presenter: Chelsey B. Hill, Xander Arabia, Shaylyn Dunlap, Andrea Rodriguez, and Nathan Shaw

Title: Effectiveness of Home Composting to Degrade PHA Plastics.
Presenter: Ethan B. Crocker, Thea Condell, Nicholas Lewis, and Logan Symmons

Title: Environmental Benefits of Organic Home Composting Systems.
Presenter: Joey S. Schoppe, Jasmine Sanchez, Madison Huie, Toby Smith, and Jerdel Delsol

Title: Factors that Contribute to Productivity of a Home Compost System in Degrading Selected Plastic Products.
Presenter: Daniel S. Mosqueta, Alicia Mathis, Paloma Barrientos, Joe Spencer, and Abby Villarreal
Title: Mock Trial: The State of Texas vs. Echo Green

Presenters:

Elizabeth A. Miller
Jennifer Cornejo
Christie Garges
Kyra Haynes
Maddelyne Hernandez
Aubrey Mayo
Rolando Olveda
Juan Ramos
Cornelio Salinas
Vanessa Salmassi-Assadi
Maryam Shahid
Geoffrey Weiss
Wednesday, April 24, 2024
College of Human Sciences and Humanities

Poster Session
4:00 p.m. Forest Room
Faculty Chair: Anna Klyueva

Title: The Influence of eWOM and Satisfaction in Relation to Returning to do Collaborative Tourism.
Presenter: Ariana Aguila

Title: LGBT Messages and Views in 2000's Horror Films.
Presenter: Gabriel Sebesta

Title: The Influence of Mom Bloggers on Parenting Trends and Consumer Purchases.
Presenter: Jessica Ballard Bennett

Title: Coulrophobia; How Negative Media Portrayal Contributes to Personal Fear.
Presenter: James Jurewicz

Title: Cultural Influences on Gestures in Virtual Reality Interfaces.
Presenter: Rucha Kulkarni

Title: Communicating Culture Through Music.
Presenter: John Stubblefield

Title: Slasher Movies vs Psychological Thrillers.
Presenter: Kendall Giles

Title: Why is Canva preferred over Photoshop?
Presenter: Princeton Fernandes
Wednesday, April 24, 2024
College of Human Sciences and Humanities

*Poster Session*
4:00 p.m. Forest Room
Faculty Chair: Giazú Enciso Domínguez

**Title:** Qualitative and Quantitative research on Social Sciences – Poster Session.
**Guest Speaker:** Cory McGregory, MA. Career Counselor

**Title:** Invisible - Our Struggles and Our Stories: An Overview of Indian Immigrants Mental Health
**Presenter:** Mimansa Shukla

**Title:** Experiences of the Autism Label: A Caregiver View
**Presenter:** Ana G. Mena

**Title:** Invisibility: No One Gets Left Behind or Forgotten.
**Presenter:** Nicholas Eisen

**Title:** Gendered Thrones: Kings, queens, and eunuchs, oh my!
**Presenter:** Kailey N. Horne

**Title:** The “Devil” in the Mines: Creation of an Indigenous Research Paradigm among Indigenous Miners in Potosi, Bolivia
**Presenter:** Tria M. Van Horn

**Title:** Don’t Forget About the Children: An Ethnographic Inquiry on the Experiences of Highschool Students with Queer Parents
**Presenter:** Jae M. Booth

**Title:** Discrimination in home ownership amongst blacks in America.
**Presenter:** Michael Berry

**Title:** "I Don't See Color" - Representation in the Media.
**Presenter:** Rashelle D. Dann

**Title:** The Experience of the Rehoused in the Greater Houston Area.
**Presenter:** Keaton Jones

**Title:** Exploring Mental Health Through Music
**Presenter:** Yasmin C. Banda
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<th>Title: Comfort or Oppression: Exploring Black Women's Migratory Experiences within the African Diaspora.</th>
<th>Presenter: Mokua T. Makori</th>
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<td>Title: Mental Labor and Marginalization: Cognitive Division of Labor among Women of Color.</td>
<td>Presenter: Jocelyn R. Smith</td>
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<td>Title: The Experience of Divorce from an Interracial, Same-Sex Marriage.</td>
<td>Presenter: Corey A. Grant</td>
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<td>Title: Anxiety Across Borders.</td>
<td>Presenter: Antonio Celio-Guevara</td>
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<td>Title: Gender Inequality</td>
<td>Presenter: Alisa Crosby</td>
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<td>Title: Commutuality and the American Gun Debate.</td>
<td>Presenter: Mofolorunso Enigbokan</td>
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<td>Title: Qualitative Studies on Social Sciences</td>
<td>Presenter: Jonathan Green</td>
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Thursday, April 25, 2024
College of Science and Engineering

9:30 am – 11:00 am STEM 1115
Faculty Chair: Kazi Billah

Title: Mobile Lifting Device.
Presenter: Olivia Freeman, Thanh Pham, and Gilmartin Torres

Title: Manufacture of an Oil Derrick Pump.
Presenter: Diego Zuniga, Oscar Francorodriguez, Adam Kennedy, and Sylas Anderson

Title: Rocket Launcher Prototype.
Presenter: Magaly Chavarria, Luis Salinas, Peter Bowling, and David Patino

Title: Universal Battery Pack.
Presenter: Andrew Klein, Brayan Diaz, Jaime Ventura Ramos, and Matt Alatorre

Title: Automatic Hammer.
Presenter: Julio Pinzon, Darin Kliesing, Alberto Leon, and Thanh Phan
Thursday, April 25, 2024
College of Human Sciences and Humanities

Behavior Analysis Symposium
4:00 p.m. – 7:00 p.m. Bayou 1311
Faculty Chair: Dorothea Lerman

Title: Teaching Mands for Competing Stimuli as a Strategy to Mitigate Satiation.
Presenter: Carson B. Whitford, Jennifer N. Fritz, & Alexis N. Cano

Title: A Practical Approach to Increasing Cooperation During Medical Exams: Intervention for Neurodiverse Patients.
Presenter: Abigail K. Konecki, Dorothea C. Lerman, Robert K. Lehardy

Title: Training Caregivers of Adults with IDD to Increase Tolerance of Positive Airway Pressure Therapy: A Systematic Replication.
Presenter: Frances G. Feliciano

Title: Using Joint-Control Training to Teach Receptive Identification with Adjectives to Children with Autism.
Presenter: Matt Dunnuck, Amanda King, Sarah Lechago

Title: Using Group Behavioral Skills Training to Teach Caregivers and Other Professionals to Respond Safely to Aggression.
Presenter: Kerri E. Kroen, Yashira Reyes-Rodriguez, Jennifer N. Fritz, Victoria Fletcher

Title: Social Validity of a Remote Behavioral Skills Training (BST) Package for Self-Management.
Presenter: Lorena Galvan

Title: Teaching Adults with Autism to Identify Strategic Topics to Open Conversations using Behavioral Skills Training.
Presenter: Claire Aragon, Candace Benjamin

Title: An Evaluation of Conversational Preferences of Neurotypical Adults.
Presenter: Candace Benjamin, Claire Aragon

Title: Teaching Children with Autism Spectrum Disorder to Mand “What Happened?” to Acquire Information on the Cause of an Environmental Change.
Presenter: Hannah Dean, Sarah Lechago, Jade-Santiago Rodrigues, Ashten Higginbotham, Audrey Wilbanks

Title: A Systematic Review of the Diversity, Equity and Inclusion (DEI) Literature in Behavior Analysis.
Presenter: Jade Santiago Rodrigues, Sarah Lechago, Hannah Dean, Sofia Urdaneta
Thursday, April 25, 2024
College of Human Sciences and Humanities

7:00 p.m. – 9:00 p.m. Bayou 2230
Faculty Chair: Pearl Young

Title: “Other Orthodoxies”: Women’s Leadership Roles in American Orthodox Judaism, 1900 to the Present.
Presenter: Joseph M. Godwin

Title: Slave Religion and Women’s History - The Christianity of Slavery in the Antebellum South.
Presenter: Richard W. Gigout

Title: Melungeon Mythology and Mountain Religion: Exploring the Historiography Intersectional of Race and Religion in 20th-Century Appalachia.
Presenter: Michael D. Wolfe
Friday, April 26, 2024

College of Science and Engineering

**Poster Session**
12:00 p.m. - 1:00 p.m. Bayou 2512 (Hallway)
Faculty Chair: Jiang Lu

**Title:** CaNIKS (Campus Navigation and Information Kiosk System).
**Presenter:** Alexander Opekun, Andrew Steele, Aislynn Chavez, Ashley Chavez, Rishon Michael, Jared Blondeau

**Title:** P.A.C.S (Pulley Automated Camera System)
**Presenter:** Samantha Swan, Edgar Rivera, Kalena Williams, Carlos Martinez

**Title:** Automatic Cat Feeder.
**Presenter:** Christina Samuel, Rigoberto Trevino, Claudia Sierra, Phat Tran

**Title:** Remote Turret.
**Presenter:** Dacota McGlothlin, Israr Ahmed, Noha Nagesh

**Title:** Spacial Positioning, Observation and Tracking System.
**Presenter:** Cruz Gustavo J, Jeffries Drew, Lopez Ricardo Daniel, Nicole Poventud, Diego Rojas
Friday, April 26, 2024
College of Science and Engineering

**Poster Session**
2:00 p.m. – 5:00 p.m. STEM 1115
Faculty Chair: Kazi Billah

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**Title:** Hand Carrier for Lunar EVA Tools by Artifices Lunaris.
**Presenters:** Buvaneshraj Saravanan, Adrian Garcia, Blair Mitchell, and Omar Tubeishat

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**Title:** Lunar Mapbook and Mapbook Holder.
**Presenters:** Jacob Howard, Jeremy Maher, Josue Montemayor, and Ros'lynn Charles

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**Title:** Integrated Camera and Lighting System For a Lunar Rover.
**Presenters:** Brendan Corr, Penafiel Roberto, Campos Richard, and Lai Long

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**Title:** Mortar Style UAV Launch System.
**Presenters:** Khoa Phan and Brock Helpenstill

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**Title:** Lunar PEV.
**Presenters:** Jose Amieva, Duc Mai, Hunter Van Wagner, and Alina Siddique

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**Title:** Development of Wire Embedding Tool for Multifunctional Additive Manufacturing.
**Presenters:** Neel Rathod, Mario Barron Gonzalez, Ruben Lopez, and Kristian Torres

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**Title:** Design of an Induction Heating Aluminum Extrusion System.
**Presenters:** Michael Krueger, Lisette Alcocer, and Luis Zavala
Friday, April 26, 2024
College of Science and Engineering

*Poster Session*
2:00 p.m. – 5:00 p.m. STEM 1115
Faculty Chair: Youssef Hamidi

**Title:** Lunar Personal Electrical Vehicle.
**Presenters:** Wendy Cardenas, Gerardo Lagunas, Jaime Ventura, Lloyd Pate

**Title:** Lunar Flag.
**Presenters:** Anthony Gwynn, River Alford, Jessica Kunzat, Mohamad Elkhader

**Title:** Hand Carrier System for Lunar Extravehicular Activities (EVA) Tools.
**Presenters:** Kain Aguirre, Alexander Falks, George Janho, Adelina Rodriguez

**Title:** Lunar Flag.
**Presenters:** Christopher Garcia, Kyle Connolly, Sheikh Hussain, Samuel Stevens
Saturday, April 27, 2024

College of Science and Engineering

8:40 a.m. – 10:20 a.m. Bayou 1335
Faculty Chair: Dr. Charuksha Walgama

Title: Peroxide Detection using Myoglobin Modified Bio Electrodes.
Presenters: Malcolm May
Faculty Sponsor: Charuksha Walgama
Time: 8:40 – 9:00

Title: Ag Labeled Electrochemical Bioassays: Effect of Silver Nanoparticle (AgNP) Size.
Presenters: Trang Bui
Faculty Sponsor: Charuksha Walgama
Time: 9:00 – 9:20

Title: Electrochemical detection of active pharmaceutical ingredients in over-the-counter medications using modified screen-printed electrodes.
Presenters: Monica Massoud, Chris Stephenson
Faculty Sponsor: Charuksha Walgama
Time: 9:20 – 9:40

Title: Chemical analysis of Electronic Nicotine Delivery Systems (ENDS) including E- cigarette.
Presenters: Joselyn Mata
Faculty Sponsor: Monica Khural
Time: 9:40 – 10:00

Title: Electrochemical Analysis of Selenium in Over the Counter Supplements.
Presenters: Cassandra Rodriguez
Faculty Sponsor: Charuksha Walgama
Time: 10:00 – 10:20
Saturday, April 27, 2024
College of Science and Engineering

9:00 a.m. – 10:00 a.m. Bayou 1133
Faculty Chair: Dr. Trish Trubl

Title: Effects of Herbicide on Biodiversity in Pond Ecosystems.
**Presenters:** Hasan Qamar and Brennan Guhool
**Faculty Sponsor:** Trish Trubl
**Time:** 9:00 – 9:20

Title: Effects of Antifreeze on Biodiversity in Pond Ecosystems.
**Presenters:** David Tedross, Ogiso Mathews, and Christian Avalos
**Faculty Sponsor:** Trish Trubl
**Time:** 9:20 – 9:40

Title: The Anatomical and Physiological Effects of Magnesium Deficiency in Pea Plants.
**Presenters:** Vanessa L. Melendez, Jasmine M. Trujillo, Pricilla De La Torre, and Diana C. Reynaud
**Faculty Sponsor:** Trish Trubl
**Time:** 9:40 – 10:00
Saturday, April 27, 2024
College of Science and Engineering

10:30 a.m. – 11:50 a.m. Bayou 1335
Faculty Chair: Dr. Serkan Caliskan

Title: A Comparative Study of Cathode/Anode Materials for Sodium-Ion Open Circuit Batteries.
Presenters: Alexander Stefan

Time: 10:30 – 10:50

Faculty Sponsor: Serkan Caliskan

Title: Comparative Analysis of Boron Fullerene, Titanium Doped Boron Fullerene, and Lithium Doped Boron Fullerene for Hydrogen Storage Through Adsorption.
Presenters: Arielle Slaten

Time: 10:50 – 11:10

Faculty Sponsor: Serkan Caliskan

Title: Study of Doped and Pristine Carbon-based Fullerenes (C60) for Effective Hydrogen Storage Applications.
Presenters: Mohammed Hossain

Time: 11:10 – 11:30

Faculty Sponsor: Serkan Caliskan

Title: 2D MXene as a Surface-Enhanced Raman Scattering-based Sensing Platform for Forensic Trace Analysis.
Presenters: Mackenzie Songsart-Power, Brady Wilson, Chetan Dhital, Xiuli Dong, Fei Yan

Time: 11:30 – 11:50

Faculty Sponsor: Tej Limbu
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<th>Title</th>
<th>Presenters</th>
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<tr>
<td>9:00 – 9:20</td>
<td>On Helly's Theorem for Non-Overlapping Convex Bodies in the Plane.</td>
<td>Elyssa Hernandez</td>
<td>Zokhrab Mustafaev</td>
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<td>9:20 – 9:40</td>
<td>Helly-Type Results for Convex Bodies in the Plane</td>
<td>Jonathon Foley</td>
<td>Dr. Zokhrab Mustafaev</td>
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<td>9:40 – 10:00</td>
<td>Evaluation of Process Annotations from the Gene Ontology in Disease Clustering.</td>
<td>Drew Brady</td>
<td>Hisham Al-Mubaid</td>
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Saturday, April 27, 2024
College of Human Sciences and Humanities

10:15 a.m. – 11:55 a.m. Bayou 1333
Faculty Chair: Dr. Pearl Young

Title: Breaking Habits: The Historiography of Secular Catholic Nuns and their Role in Social Movements.
Presenters: Bailey Brantley
Faculty Sponsor: Pearl Young

Time: 10:15 – 10:35

Title: Remembering Korea: The Question of Genocide and Birth of the Modern American Empire.
Presenters: Reese Powling
Faculty Sponsor: Pearl Young

Time: 10:35 – 10:55

Title: Spectacles for Men and for God.
Presenters: Robert Gaddie
Faculty Sponsor: Pearl Young

Time: 10:55 – 11:15

Title: Unraveling Augusta Jane Evans: Women, Gender, and Slavery in America.
Presenters: Shelby Rodwell
Faculty Sponsor: Pearl Young

Time: 11:15 – 11:35

Title: Psychophysiological Correlates of Morbid Curiosity.
Presenters: Esmeralda Martinez
Faculty Sponsor: Georgina Moreno

Time: 11:35 – 11:55
Saturday, April 27, 2024
College of Human Sciences and Humanities

10:00 a.m. – 12:00 p.m. Bayou 1135
Faculty Chair: Dr. Anna Klyueva

Title: The Comparison of Aerobic Exercise and Resistance Exercise in Older Adults with Knee Osteoarthritis.
Presenters: Natalie Clark and Preslee Bryson
Faculty Sponsor: Isabel Woelfel
Time: 10:00 – 10:20

Title: What is the foundation for community?
Presenters: Zachary Jernigan, Velisha Patel, Hanna Green, Tabitha Ross, and Ajani Sanni
Faculty Sponsor: Anna Klyueva
Time: 10:20 – 10:40

Title: Dark Academia: The TikTok Subculture Leading the Gen-Z Classic Literature Renaissance.
Presenters: Nadia Jasso
Faculty Sponsor: Michael Clody
Time: 10:40 – 11:00

Title: Comparing Keyboarding Skills of Third-Grade Students: A Gender-Based Analysis in a Texas Elementary School.
Presenters: Cynthia Huang
Faculty Sponsor: Erica Smith
Time: 11:00 – 11:20

Title: UHCL Internship Program Participation - Panel Discussion Proposal.
Presenters: Margaret Solomon-Bird
Faculty Sponsor: Sarah Costello
Time: 11:20 – 11:40

Title: The Kenyan Way: A Study of Psychological Themes in Kenyan Running
Presenters: Livia Woolery
Faculty Sponsor: Erica Smith
Time: 11:40 – 12:00
Saturday, April 27, 2024

College of Education / College of Human Sciences and Humanities

10:00 a.m. – 11:40 a.m. Bayou 1133
Faculty Chair: Dr. Rebecca Huss-Keeler

Title: Female Minorities Pursuing Doctorates: The ebbs and flows of it all
Presenters: Margaret Solomon-Bird
Faculty Sponsor: Grace Samuels
Time: 10:00 – 10:20

Title: A Case Study of Teacher and Administrator Perceptions of the Implementation of the Sheltered Instruction Observation Protocol (SIOP) Model and its Influence on Student Achievement and on levels of English Language Acquisition.
Presenters: Kelly Duff
Faculty Sponsor: Rebecca Huss-Keeler
Time: 10:20 – 10:40

Title: Culturally and linguistically diverse parents’ perceptions of their involvement in decision-making during individualized education plan meeting.
Presenters: Suha Beydoun pedro
Faculty Sponsor: Rebecca Huss-Keeler
Time: 10:40 – 11:00

Title: The Journey of Persistence: A Case Study of African American Men in Community College.
Presenters: Christopher Hollman
Faculty Sponsor: Lisa Jones
Time: 11:00 – 11:20

Title: American Baby.
Presenters: Osasere Edo-Ewansiha
Faculty Sponsor: Jennifer McCauley
Time: 11:20 – 11:40
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<th>Title: Compact Generalized Water Quality Analyzer Utilizing Neural Networks.</th>
<th>Faculty Sponsor: Dr. Jiang Lu</th>
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<th>Title: Campus Navigation and Information Kiosk System.</th>
<th>Faculty Sponsor: Xiaokun Yang and Jeffery Lash</th>
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<td>Presenters: Alexander Opekun, Andrew Steele, Ashley Chavez, Aislynn Chavez, Jared Blondeau, Rishon Jeegan, Hailey Thomas</td>
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<th>Title: Analysis on bird species of concern with a focus on the American Oystercatcher (Haematopus palliatus).</th>
<th>Faculty Sponsor: Dr. Cindy Howard</th>
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<th>Title: Assessing micro and nano plastic pollutants in Matagorda Bay, Texas.</th>
<th>Faculty Sponsor: Dr. Ruaa Al Mezrakchi</th>
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<td>Presenters: Daniel Adrian</td>
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<th>Title: SEM-EDS Nanoplastics Investigation.</th>
<th>Faculty Sponsor: Dr. Ruaa Al Mezrakchi</th>
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<td>Presenters: Angel Guzman</td>
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<th>Title: Design and Manufacturing of Innovative End-effector for Disability and Robot Applications.</th>
<th>Faculty Sponsor: Dr. Ruaa Al Mezrakchi</th>
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<td>Presenters: Dawson Gonzalez</td>
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<th>Title: Wirelessly Controlled Robotic Hand.</th>
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<td>Presenters: Frank Blanchard</td>
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<tr>
<th>Title: Prevalence of Bacterial Pathogens in Seafood Harvested from Galveston Bay.</th>
<th>Faculty Sponsor: Dr. Michael LaMontagne</th>
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<td>Presenters: Tetyana King, Aspen Earle, Isabella I. Rodriguez, Teresa De Jesus Davila</td>
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<tr>
<th>Title: Sediment Microbiome Analysis to Assess Effectiveness of Living Shoreline Management in Restoring Shoreline Habitats.</th>
<th>Faculty Sponsor: Dr. Yihfen Yen</th>
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<td>Presenters: Bailey L. Steward, Jose Najera, Todd A. Cameron</td>
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<th>Title: Fluorescence spectroscopy.</th>
<th>Faculty Sponsor: Dr. Daniel Zerong Wang</th>
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<td>Presenters: Donaldo Perez</td>
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Title: Impact on Industrial and Ambient Air Pollution with Population Increase from 2005 to 2020 in Bexar County, Texas.
Presenters: Kholton Tidwell-Courtney  
Faculty Sponsor: Dr. Chunlong Zhang

Title: Cloning of ZIP1 and ZIP3 from Medicago truncatula to examine Allelic Variation in Natural Populations.
Presenters: Keena Magana, Ivan Castillo, Abdallah Mouhamad  
Faculty Sponsor: Dr. Brian Stephens

Title: Analysis of Hydrocarbon Degrading Bacteria in Galveston Bay.
Presenters: Pricilla Delatorre  
Faculty Sponsor: Dr. Michael LaMontagne

Title: The effect of a serotonergic drug on opioid antagonist-precipitated morphine withdrawal syndrome and its aversiveness in rats.
Presenters: Ping-Hsun Tsai, Erica R. Morales, Savannah A.Nino, Isabella E.Deleon, Kessiya E. Philip, Gopika Saji, Ruby Gonzalez, Yvonne Reed, Emily Jones, Hasan Qamar  
Faculty Sponsors: Dr. David H. Malin; Christopher P. Ward; Georgina L. Moreno

Title: Carbon Fiber Reinforced Polymers in Automotive Applications.
Presenters: George Janho  
Faculty Sponsor: Dr. Youssef Hamidi

Title: Migration and Conservation of the Whooping Crane.
Presenters: Madison Prince, Jenah Leblanc  
Faculty Sponsors: Dr. Cindy Howard

Title: Ubiquity is Success: The Great-Tailed Grackle.
Presenters: Beatriz Cespedes Rosales  
Faculty Sponsors: Dr. Cindy Howard

Title: Polymer Matrix Composites for Electromagnetic Shielding: A Review.
Presenters: Sheikh Hussain  
Faculty Sponsor: Dr. Youssef Hamidi

Title: Cloning Laminin 511.
Presenters: Emmanuel Kyei, Erich Bordelon  
Faculty Sponsor: Dr. Scott Buckel

Title: Development of a Custom Mass Spectra Database to Improve Identification of Bacterial Isolates from Galveston Bay.
Presenters: Kevan Clarkston  
Faculty Sponsor: Dr. Michael LaMontagne

Title: Self-Healing Composite Materials.
Presenters: Jeremy Maher  
Faculty Sponsor: Dr. Youssef Hamidi

Title: The Golden-Cheeked Warbler.
Presenters: Madison Huie  
Faculty Sponsors: Dr. Cindy Howard

Title: Energy Dispersive Spectroscopic (EDS) Characterization of Novel 2D Nanomaterials.
Presenters: Whitney Jones, Jittin Thomas, Mackenzie Songsart-Power, Amit Shringi, Fei Yan  
Faculty Sponsor: Dr. Tej B. Limbu
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<td>MALDI-TOF MS Custom Database of Bacterial in Seafood Harvested in Galveston Bay.</td>
<td>Tetyana King, Aspen Earle, Isabella Rodriguez, Teresa De Jesus Davila</td>
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<td>Identification of amino acid sequence variation in ZIP1 and ZIP3 metal transporters isolated from natural populations of Medicago truncatula.</td>
<td>Abdallah Mouhamad, Ivan A. Castillo, Keena Magana, Kessiya E. Philip</td>
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<td>Prevalence of Bacterial Pathogens in Seafood Harvested from Galveston Bay.</td>
<td>Aspen S. Earle, Isabella Rodriguez, Teresa De Jesus Davila, Tetyana King</td>
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<td>Main Spectra Profile (MSP) creation from Cow (Bos taurus) and Seabird scat using Matrix-Assisted Laser Desorption/Ionization Time of Flight Mass Spectrometry.</td>
<td>Christopher Howard, Haley Stevens</td>
<td>Dr. Michael LaMontagne</td>
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<td>Cloning of ZIP1 and ZIP3 from Medicago truncatula to examine Allelic Variation in Natural Populations</td>
<td>Ivan A. Castillo, Abdallah Mouhamad, Keena Magana, Kessiya Philip</td>
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<tr>
<td>Theoretical Distribution of Laminin Sunbits.</td>
<td>Shelby Miracle, Gautham Baddigam, Nathan Kwan, Davood Moridi, Jeremy Roberts, Afifa Vohra, Siri Ramnarine, Amna Ali</td>
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<td>Advancements in High-Temperature Composites: Materials, Technologies, and Applications.</td>
<td>Christopher Garcia</td>
<td>Dr. Youssef Hamidi</td>
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<tr>
<td>Theoretical Distribution of Laminin Proteins</td>
<td>Gautham Baddigam</td>
<td>Dr. Scott Buckel</td>
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<td>Survey of Lead (Pb) in Drinking Water of University of Houston Public School System.</td>
<td>Dharia T. Spriggs</td>
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<td>Historical Data on the Distribution of the Northern Bobwhite.</td>
<td>Amanda Mackey, Brianca Williamson</td>
<td>Dr. Cindy Howard</td>
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<td>Benefits of reducing ozone using BenMAP-CE in major cities in Texas.</td>
<td>Juan Luzardo</td>
<td>Dr. Dongmin Sun</td>
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<td>Graphene and its Implementation in Composite Materials.</td>
<td>Hunter Van Wagner</td>
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<td>Biodegradable Composite Materials, an Approach to Replacing Plastics.</td>
<td>Brock Helpenstill</td>
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<td>Title: Comparing Ecological Indicator Bacteria in Watersheds.</td>
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<td>Presenters: Alexis Serrano, Hillary Aggrey, Ashlyn Carter, Natalie Clark, Ashley Prince</td>
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<td>Faculty Sponsor: Dr. Michael LaMontagne</td>
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| Title: Microbial Communities Associated with Microplastics and Detritus in Galveston Bay. |
| Presenters: Drew Eisenbach, Joel Flores, Alicia Rios, Sasha Stephenson, Andrew Patterson, Allison Forrest |
| Faculty Sponsor: Dr. Michael LaMontagne |

| Title: External Morphology, Distribution, Dive Sequence, and Surface Behavior of the Amazon River Dolphin (Inia Geoffrensis) and Tucuxi (Sotalia Fluviatilis). |
| Presenters: Lauryn Fly |
| Faculty Sponsor: Dr. Cindy Howard |

| Title: Additive Manufacturing Influence on Mechanical Properties. |
| Presenters: Viet Nguyen, Baldemar Garcia |
| Faculty Sponsors: Dr. Ruaa Al Mezrakchi; Dr. Youssef Hamidi |

| Presenter: Julia M. Rasberry and Mia Jade Witherspoon |
| Faculty Sponsor: Cindy Howard |

| Title: Zinc Concentration in Fingernail Clippings A Potential Biomarker of Zinc Status. |
| Presenter: Nancy F. Arellano, Brittany Escobar |
| Faculty Sponsor: Dr. Leonard Giblin |

| Title: Flower Classification On TPU. |
| Presenter: Ashok Reddy Meesala, Sai Pavan Reddy Bushireddy, Manikumar Chintala |
| Faculty Sponsor: Dr. Unal “Zak” Sakoglu |

| Title: Microplastic's Relation to Tourist Traffic: Galveston Island Beaches. |
| Presenters: Melissa Benningfield |
| Faculty Sponsor: Dr. Stephen Gruber |

| Title: Charge Transfer Mediated Enhanced Photodetection with 2D Bismuth Oxychalcogenides. |
| Presenters: Jittin Thomas |
| Faculty Sponsor: Dr. Tej Limbu |

| Title: What is the foundation for community? |
| Presenters: Zachary Jernigan, Velisha Patel, Hanna Green, Tabbitha Ross, and Ajani Sanni |
| Faculty Sponsor: Anna Klyueva |
Saturday, April 27, 2024

College of Human Sciences and Humanities

**Poster Sessions**

**Poster Setup at 8:30 a.m. Bayou Building, Atrium II**

**Presentations from 9:00 a.m. – 12:00 p.m.**

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<td>“Once I felt I had a choice, I didn’t choose religion”: Analysis of Meaning Among Religious Dones.</td>
<td>Cameron Rollwitz</td>
<td>Dr. Nicholas Shaman</td>
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<td>Scrolling into Trouble: An In-Depth Analysis of Social Media’s Pitfalls.</td>
<td>Brandi Cates</td>
<td>Dr. John McMullen</td>
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<td>Parental Support &amp; Children with Eating Disorders.</td>
<td>Xena Wooley, Cindy Perez, Miguel Ramirez</td>
<td>Dr. Sofia Georgiadou</td>
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<td>Temple Mount Micrography Lithograph.</td>
<td>Melanie Nonmacher</td>
<td>Dr. Beth Merfish, Dr. Mark Goldberg</td>
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<td>From Spice Holder to Hanukiyah: Porcelain Chinoiserie.</td>
<td>Tria M. Van Horn</td>
<td>Dr. Beth Merfish</td>
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<tr>
<td>A Behavioral Economic Analysis of the Morning-After Pill.</td>
<td>Kelcy Coleman, Jin Ho Yoon, Irene Pericot-Valverde</td>
<td>Dr. Jennifer Fritz</td>
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<td>Iranian Ketubah, By Yeshua Zeira Moshe ben Harav Aharon, Isfahan, Iran, 1980.</td>
<td>Rahil Asgari</td>
<td>Dr. Beth Merfish, Dr. Mark Goldberg</td>
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<tr>
<td>The Relationship between Religious Affiliation and Substance Use Perception.</td>
<td>Paige Simpson, Kylie Forgy</td>
<td>Dr. Christine Walthers</td>
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<tr>
<td>Frequency of Social Media Usage and College Student’s Academic Engagement: A Non-Significant Negative Correlation.</td>
<td>Thuy Tran</td>
<td>Dr. Robert Bartsch</td>
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<td>The Moderating Effect of Gender Role Orientation on the Relationship Between Sex/Gender and Impulsivity.</td>
<td>Emine Drews</td>
<td>Dr. Sarah Griffin</td>
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<td>Effects of Dynamic Bimodal Congruency on Affect and Memory.</td>
<td>Kylie Forgy</td>
<td>Dr. Georgina Moreno</td>
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<td>Analysis of Moses and the Pharaoh.</td>
<td>Maya Bouchebl</td>
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<td>Unmasking the Stigma Behind Autism in Females.</td>
<td>Madeline Powers</td>
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<td>Psychophysiological Correlates of Morbid Curiosity.</td>
<td>Esmeralda Martinez</td>
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<tr>
<td>Intensive Outpatient Behavior Disorders Clinic.</td>
<td>Alexis Cano, Madison Hamby</td>
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<td>Technology Dependence on Emotional Regulation and Ostracism.</td>
<td>Paige Simpson</td>
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<td>The Connect the Dots Program.</td>
<td>Kerri Kroen, Jennifer Carrera, Jennifer Fritz, Sarah Lechago</td>
<td>Dr. Jennifer Fritz and Dr. Sarah Lechago</td>
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<tr>
<td>Brief Strategic Family Therapy: Adolescents with Substance Abuse.</td>
<td>Christian Fuentes, Karen Resendez</td>
<td>Dr. Sofia Georgiadou</td>
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College of Education

Poster Sessions

Poster Setup at 8:30 a.m. Bayou Building, Atrium II

Presentations from 9:00 a.m. – 12:00 p.m.

Title: Conceptualization for Treatment of Parental Alienation for Counselors.
Presenters: Angel Acosta
Faculty Sponsor: Dr. Randy J Davis

Presenters: Taylor Jewel, Karen Perez
Faculty Sponsor: Dr. Maria Curtis
Saturday, April 27, 2024

College of Business

**Poster Sessions**

Poster Setup at 8:30 a.m. Bayou Building, Atrium II

Presentations from 9:00 a.m. – 12:00 p.m.

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<td>Dhanashri Wayakole</td>
<td>Dr. Silvana Chambers</td>
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<td>Workplace Accommodations of Employees with Long COVID.</td>
<td>Stephanie Diehl</td>
<td>Dr. Silvana Chambers</td>
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<td>Ongoing Global Conflict and the Applicability of Different Seminal Counseling Theories and the Effectiveness of Group Counseling.</td>
<td>Alizeh Khan</td>
<td>Dr. Emily Horton</td>
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Saturday, April 27, 2024

Non-UHCL Higher Education Institutions

Poster Sessions

Poster Setup at 8:30 a.m. Bayou Building, Atrium II

Presentations from 9:00 a.m. – 12:00 a.m.

Title: A Behavioral Economic Analysis of the Morning-After Pill.  
**Presenters:** Kelcy Coleman, Jin Ho Yoon, Irene Pericot-Valverde.  
**Faculty Sponsor:** Dr. Jennifer Fritz  
**UT Health Houston**

Title: Managing Complex Matrices: Accessible Microplastic Extraction from Soil via Green Density Manipulation.  
**Presenters:** Stefan Tabacaru, Fabiola Gonzalez  
**Faculty Sponsor:** Dr. Christine Miller, Jim Dobberstine  
**Lee College**

Title: The Missing Muse: The Degradation of Arts Education in K-12 Schools.  
**Presenters:** Alma Ramirez, Lucas Halbadier, Kiersten Dicks  
**Faculty Sponsor:** Dr. Judith Maima Skeele  
**San Jacinto College**

Title: "Impact of Recess on Whole-Child Development in K-12 Schools: A Comprehensive Investigation!  
**Presenters:** Genesis Young, Lynn Dobbins  
**Faculty Sponsor:** Dr. Judith Maima Skeele  
**San Jacinto College**

Title: Protecting our Future: Prioritizing Safety in Schools.  
**Presenters:** Kenya Arias, Janessa Benavides, Savannah Joslin  
**Faculty Sponsor:** Dr. Judith Maima Skeele  
**San Jacinto College**

Title: Free the Books. Unmasking the Impact of Book Banning on Education and Expression.  
**Presenters:** Abby Lagatella, Jaden Avila, Jade Mayo, Emily Perez  
**Faculty Sponsor:** Dr. Judith Maima Skeele  
**San Jacinto College**

Title: Bridging the Gap: A comprehensive Exploration of Education Inequity faced by Latinos in the United States. From Historical Struggles to Current Challenges.  
**Presenters:** Siney Lira, Iris Valdez, Laura Ortiz, Jose Martinez  
**Faculty Sponsor:** Dr. Judith Maima Skeele  
**San Jacinto College**
Saturday, April 27, 2024

High Schools

*Poster Sessions*

Poster Setup at 8:30 a.m. Bayou Building, Atrium II

Presentations from 9:00 a.m. – 12:00 a.m.

**Title:** Molybdenum Doped BiVO4 Thin Films in a Gas Sensing Application.  
**Presenters:** Vasundhra Arulazi  
**Faculty Sponsor:** Dr. Anthony Lau  
**Lawrence E. Elkins High School**

**Title:** Shape Memory Polymers: Effects of Temperature and Exposure Time on SMP for Biomedical Applications and Medical Devices.  
**Presenters:** Noor Al-Ramthan  
**Faculty Sponsor:** Robin Mayeaux  
**Clear Lake High School**

**Title:** A Novel Nanocarbon Infused Gum Arabic Sensing Skin Optimized for On-Skin Electronics and Temporary E-Tattoos.  
**Presenters:** Anvesha Subramanian, Sai Spoorthi Maram, Jiya Joshi  
**Faculty Sponsor:** Dr. Karoline Mueller  
**Ridge Point High School**

**Title:** Effect of pH on Lactobacillus Fermentum’s Viability and Nitric Oxide Production.  
**Presenters:** Anastasia Gonzalez  
**Faculty Sponsor:** Lindsay Cardella  
**Clear Creek High School**

**Title:** Sephora Kids V.S the World.  
**Presenters:** Bailey Mayo  
**Faculty Sponsor:** Erica Smith  
**Clear Lake High School**

**Title:** Feministic Themes in Disney Channel: An Analysis of Live Action vs. Animation.  
**Presenters:** Annie Nguyen  
**Faculty Sponsor:** Erica Smith  
**Clear Lake High School**

**Title:** This One or That One: Content Analysis on the Extrinsic Factors of Whey Protein Powders.  
**Presenters:** Priya Pillai  
**Faculty Sponsor:** Erica Smith  
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