



GRADUATE STUDENT 2026 RESEARCH CONFERENCE

CONFERENCE PROGRAM

April 9, 2026



TEXAS STATE UNIVERSITY
The Graduate College



GRADUATE STUDENT 2026 RESEARCH CONFERENCE

CONFERENCE DETAILS

Since 2009, The Graduate College has hosted the Graduate Student Research Conference (GSRC) as an opportunity for graduate students from all disciplines to showcase their original research and creative works.

The 2026 conference is taking place in-person as a poster session at the San Marcos campus.

More than 100 graduate students from various disciplines are presenting at the GSRC. Students at Texas State University, and from external institutions, are eligible to participate. Students will present their thesis or dissertation research, classroom projects, creative works, collaborations with other students or faculty, and other applicable projects.

The Texas State University System Board of Regents

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Graduate Student Research Conference

Thursday, April 9, 4:00 – 6:00 p.m.

LBJ Grand Ballroom

Welcome Remarks

Dr. Andrea Golato

Dean, The Graduate College, Texas State University

Dr. Shreek Mandayam

Vice President, Division of Research, Texas State University

Conference Presentations

Applied Arts

1. Brooke Widner, M.S. Human Development & Family Sciences
Lina Kim, Andrew Behnke, Alyeska Romero, Melissa Hernandez Garza, Marwa Azizi
Evolving Evaluation Practices in Teen Parent Programs
2. Lais Yuki Tuzino Kamia, M.S. Human Nutrition
Lauren Lewis, Zack Nobles, Gar Yee Koh
Fructooligosaccharides Improve Insulin and GLP-1 Profiles and Modulate Colonic PI3K/Akt Signaling in High-Fat Diet-Induced Obese Mice
3. Selma De Luna, M.S. Human Nutrition
Cassandra Swanson, Emily Gonzales, Alexis Johnson, Mona Salcedo Price
Vitamin D Deficiency Exacerbates Obesity-Associated Gut-Liver Axis Dysfunction in Mice
4. George Garza, Ph.D. Criminal Justice
Jingle Shi
Marginalized Individuals' Experiences With Crime Reporting and Encountering the Police: Qualitative Pilot Study

Education

5. Amie Cunningham, M.A. Adult, Professional, and Community Education
Inclusive Workforce Training for Neurodivergent Adult Learners: A Universal Design for Learning Approach
6. Stephanie M. Robertson, M.A. Adult, Professional, and Community Education
Designing Game-Based L2 Courses
7. Melanie Koroluk, M.Ed. Secondary Education
To Speak Or To Stay Silent? Ethical Tensions for Mental Health Professionals on Public Engagement and Current Events
8. Alisa Srirat, M.Ed. Secondary Education
Natasha Saelua, Alison Jarzombek-Torralva
Exploring the Effectiveness of Technical Assistance to Implement School Behavioral Threat Assessment
9. Austin Tsao, M.P.H. Public Health
Ron Williams
Frequency of Social Media Use and Risk Behaviors Among U.S. High School Students: A Secondary Analysis of the 2023 YRBS
10. Christine Sorenson, Ph.D. Adult, Professional & Community Education
Araceli Trevino, Andrew Opio
Bridging Worlds: A Constructivist Exploration of Doctoral Student's Socio-cultural and Academic Journeys
11. Serge Gasore, Ph.D. Adult, Professional & Community Education
Community education leaders exploring social enterprise in non-profit organizations: sustainable development in Rwanda
12. Blanca Loya, Ph.D. Educational and Community Leadership
Daughter of a Decorated Veteran: An Autoethnography on War, Silence, and the Formation of Leadership
13. Huma Roshan, Ph.D. Educational and Community Leadership
Belonging, Identity, and Academic Life: Exploring International Doctoral Students' Experiences through Photovoice
14. Valerie Zapien, Ph.D. Educational and Community Leadership
Adithi Aavula, Anagha Deepak, Jeeshita Halari and Fatimah Sajid
Mental Wellness Through Their Eyes: Young Asian American Females' Perspectives Illuminated by Photovoice
15. Huong Le, Ph.D. Postsecondary Student Success in Learning, Literacy, & Mathematics
Angela Leibold, Taylor Acee
Student Voices on Success: Beyond Grades and Graduation
16. Md Solaiman, Ph.D. Postsecondary Student Success in Learning, Literacy, & Mathematics
Jennifer Lee O'Donnell, Melodi Edizer
Narrative Imagination and Temporal Ethics: Teaching Introduction to Education Research with Born into Brothels and They Cloned Tyrone

Fine Arts and Communication

17. Md Jubayer Mahmud, M.A. Communication Studies
Noshin Tasnim Hassan; Jasmine Terrell Austin
From Immigrant Homes to Global Stages: Co Cultural Identity Negotiation in The Namesake and BTS
18. Erika Costello, M.A. Communication Studies
Kristin Sussman, Jenny Buschhorn
Peer-Led Influencer Ambassador Programs: How Student Influencers Shape Engagement in Ambassador Programs
19. Musfika Sultana, M.A. Mass Communications
Journalist Safety as a Determinant of Press Freedom: A Comparative Analysis of Bangladesh and the United States
20. Haeun Kim, M.M. Music
Archival Methodologies in Practice: Rediscovering New England Pianist and Choral Conductor Martha Dana Shepard (1842-1914)
21. Yulianna C. Molina, M.M. Music
From Dissonance to Consonance: Collaborative Music Theory Learning Through Social Media

Health Professions

22. Desiree Canals, M.HA. Healthcare Administration
Taylor Campbell, Courtney Macheska
Maternal Emergency Decision Support & Knowledge Integration Toolkit(MED-KIT)
23. Edward Kyeretwie, M.H.A. Healthcare Administration
Hypertension Among Long-distance Truck Drivers in the United States
24. Vaishnavi Kumar, M.H.A. Healthcare Administration
Riya Kanury
Improving Community-Level Wound Management Through an AI-Supported Digital Triage Platform (Healia)

Liberal Arts

25. Lauren Keith, M.A. Anthropology
Analysis of Cranial Angles for Sex and Population Affinity Estimation
26. Matthew Mele, M.A. Anthropology
Population and Place: African American Cemetery Emergence in 19th-Century Florida
27. Ted Heckerman, M.A. Anthropology
The Use of Prosthetics in Communicative Gesturing
28. Prabesh Pandey, M.A.Geo. Geographic Information Science
Jennifer Devine, Lic. Manuel Ortoñez, Yunuen Reygadas
Organized Crime and Environmental Harm: A comparative case study of Guatemala and Panama
29. Shelby LaBonte-Torres, M.A. History
Worth the Wait? The True Love Waits Program and U.S. Evangelical Purity Culture, 1990-2010
30. Alexandria Viltz, M.A. Psychological Research
Academia vs. Media: Enemies or Allies
31. Anahi Y. Flores Ventura, M.A. Psychological Research
Katherine Rice Warnell, Jennifer Clegg
Match or no Match: Understanding Prosocial Lying Behavior and Social Norms in European-American and Latino Children
32. Hannah Roberts, M.A. Psychological Research
Lyla Ricks, Megan Shepard, Mya Rimmer, Natalie Ceballos, Krista Howard
Anxiety, Algorithms, and Self-Assessment: An examination of mental health information-seeking on TikTok
33. Julia F. Penn, M.A. Psychological Research
Jordan M. Ross, Ty S. Schepis, Megan L. Rogers
From Reformulation to Risk: Opioid Misuse and Suicide Before and After OxyContin's 2010 Formulation Change
34. Kendal Parkhurst, M.A. Psychological Research
School-Based Fentanyl Education: Evaluating the Feasibility and Early Impact of the FESTA Program
35. Lyla Ricks, M.A. Psychological Research
Chardonnay Cooper, Samantha Regan, Anayia McRae, Natalie Ceballos, Krista Howard
The Dark Side of Location Sharing: Psychological Correlates of Tracking App Distress
36. Whitley Keller, M.A. Psychological Research
Megan L. Rogers, Ariel McField, Roberto López Jr.
Longitudinal Associations Between Aggression Subtypes and Suicidal Ideation in Adolescents with Co-Occurring Mental Health and Substance Use Disorders

37. Hannah Wales, M.A. Sociology
To Infinity and Fatherhood: Exploring Masculinity in Disney Pixar Fathers
38. E. Reagan Haik, M.P.A. Public Administration
Incarceration, Race, Healthcare, and Poverty in Louisiana
39. Hannah Faith Amaya, M.P.A. Public Administration
Nandhini Rangarajan
Gauging Interagency Collaboration in the "One County, One Protocol" Model for School Emergency Management in Hays County, Texas
40. Dana Sayre, M.S. Applied Sociology
Using the social determinants of health framework to explore health disparities for transgender adults
41. Holly Elrod, M.S. Applied Sociology
Social Movements in Fictional Movies: A Content Analysis
42. Annelise Holguin, M.S. Geography
Jennifer Devine, Nathan Currit, Colleen Myles, Tousif Tanzir
The Agave and Mezcal Boom: A Mixed Method Approach to Understand Land-Use Change and Socio-Environmental Effects
43. Annie Vo, M.S. Geography
Soe Myint
Where Heat Meets Transit Riders: A Classification Scheme for Austin Bus Stops
44. Avery Bouskila, M.S. Geography
Protecting the Appalachian Goliath: A GIS-Based Investigation for Habitat Suitability of Hellbenders within the Great Smoky Mountains
45. Donald Karr, M.S. Geography
The State of Water: A Multi-Aquifer Investigation into the Connection of Groundwater and Surface Water in the Nueces River Basin of West Central Texas
46. Farhaan Cooverji, M.S. Geography
Eunsang Cho, Bailing Li, Carrie Vuyovich, Jennifer M. Jacobs, Eunsam Cho, Samuel E. Tuttle, Eric A. Sproles
Regional Water Balance Analyses and Quantifying Snowmelt Contribution to Streamflow in the Smith River Watershed, Montana, USA
47. Joss Kenney, M.S. Geography
SWAT-Modeled Subbasin-Scale Post-Fire Hydrologic and Sediment Response of the Eastland Complex Fire
48. Wesley Kimeli, M.S. Geography
Mapping Heat Risk at the Census Block Level in San Marcos, Texas
49. Yubin Lee, M.S. Geography
Su Yeon Han, Eunsang Cho, Joon-Seok Kim, Soe W. Myint
Spatial Disparities in Emergency Shelter Accessibility under Wildfire Smoke Exposure and Traffic Congestion
50. Avijit Ayon, M.S. Sustainability Studies
Sanjida Zerín, Basser Uddin
Unveiling Gender-Based Violence Among Burmese Refugee Women and Girls in Bangladesh: Causes, Consequences, and Coping Strategies
51. Nusrat Tasnim Fariha, M.S. Sustainability Studies
Newspaper Representations of Transportation-Related Air Pollution in Dhaka, Bangladesh
52. Srma Burman, M.S. Sustainability Studies
Robert E. Mace
Jacob's Well in Crisis: Groundwater Governance and Its Limit
53. Zipporah Oimage, M.S. Sustainability Studies
Information Missing? Barriers to Knowing
54. Tania Akhter, Ph.D. Applied Anthropology
Nazifa Tabassum, Md Rifat Hasan, Md. Rokonzaman, Akash Mojumdar, Md. Rehat Hasan, Md. Mukim Mahamud, Mohammad Abdur Rahim
Wildlife Threat Assessment and Community Dynamics in Deciduous Forest
55. Okeke (Joshua) Onyedikachi, Ph.D. Geographic Information Science
Su Yeon Han
Measuring Spatial Accessibility of Cooling Centers in New York City
56. Ayomide Famewo, Ph.D. Geography
Colleen Myles
Soil Moisture Downscaling using Deep Learning Technique in an ecological transitioning region
57. Jong-Ku Park, Ph.D. Geography
Invisible Contaminants: Unmasking the Ulterior Ruination of End-of-Life Solar Panels

McCoy College of Business

58. Salma Akter Laboni, M.B.A. Business Administration

Supply Chain Optimization, Digitalization, and Performance: The Mediating Role of Integration in a Developing Economy

59. John Courtright, M.S. Data Analytics and Information Systems

Shadi Maleki, Cassandra M. Johnson, Muxin Zhai, Francis A. Méndez Mediavilla, Ramalingam Shanmugam, Lesli Biediger-Friedman

Validating a new Census-Based Socioeconomic Disadvantage Index for Older Adults Using Canonical Correlation

60. Shivani Narang, M.S. Data Analytics and Information Systems

Ju Long

Quality-Adjusted Cost Comparison of Human and AI-Assisted Work

61. Anna Kaic, M.S. Marketing, Research & Analysis

The Effect of Subject's Gaze Direction in Advertisements on Viewer Memory and Product Preference

62. Priya Bafna, M.S. Quantitative Finance & Economics

Marcie A. Murfield

Addressing Educator Maltreatment: Evaluation of a Statewide Virtual Training for Texas K-12 Administrators

Science and Engineering

63. Maria Martinez Hernandez, M.S. Biochemistry

Adamari Cabrera, Madisyn Johnson, Katherine Burkhart, Nour Essa, Karen Lewis

RNA binding activity is affected by proline mutations in the interdomain linker of the LARP6 La Module

64. Eva Chukwudi, M.S. Biology

Trina Guerra, David Rodriguez, David Huffman, Michael Forstner

Comparative Haemoparasite Dynamics in Three Freshwater Turtle Species Across the Rio Grande Basin

65. Ikechukwu Opara, M.S. Biology

Sherry Albers, Sunethra Dharmasiri, Nihal Dharmasiri

Investigating into the Relationship between Auxin Signaling and Plant Carbon Partitioning

66. Isobel Buffum-Robbins, M.S. Biology

Elijah Wheat, Morgan Sobo, Mar Huertas, Richard Schultz

Measuring microbial response and recovery to hydrogen peroxide treatment in aquaponics systems

67. Prianka Acharjya, M.S. Biology

Heshini N. Weerakkody, Israel Arellano, Sunethra Dharmasiri, Nihal Dharmasiri

Survival Under Stress: Potential role of IBR5 in plant responses to environmental stress

68. Tanjin Barketullah Robin, M.S. Biology

Ryan L. Peterson

Recombinant expression and Characterization of Pseudogymnoascus destructans Metalloreductase genes using Pichia pastoris

69. Riley Sheikh, M.S. Chemistry

Liliana Munoz, David Schilter, Michael Jacobs

Synthesis of Fluorescent Viologens to Probe Charge Transport in Glassy Microdroplets

70. Aditi Roy, M.S. Civil Engineering

Jung Heum Yeon

Mitigating Water Permeation through Cracks in SAP-Modified Mortar

71. Anika Baitullah, M.S. Civil Engineering

Arka Chakraborty

A Comparative Analysis of Traditional, AutoML, and Foundational Models: Prediction of Motorcycle Crash Severity Using Tabular Data

72. Jipeng Liu, M.S. Civil Engineering

Eunsang Cho, Simon Kraatz, Michael Cosh

Exploring the Sensitivity of UAV-Based Gamma-Ray Signals to Soil Moisture in Semi-Arid Rangelands, Texas

73. Md Shah Mominul Islam Momin, M.S. Civil Engineering

Eunsang Cho, Eunsam Cho, Subasish Das

Assessing Roadway Network Risk to Compound Flooding in Galveston County, Texas: An Integrated Hydrodynamic and Machine Learning Approach

74. Dhruvil Thummar, M.S. Computer Science

Veronica Perez-Rosas

From Scores to Support: Detecting and Enhancing Reflective Listening Learning with large Language Models

75. Muhammad Hammad Mobin, M.S. Computer Science

Veronica Perez-Rosas

SAFE: Suspicious vs. Authentic Feedback Evaluation for Detecting LLM-Generated Reviews on E-Commerce Platforms

76. Shree Gayathri Gnanasekar, M.S. Computer Science

Krishna Kisi, Kusum Bhattarai Sharma, Khoi Nguyen

Augmented Reality for Electrical Hazard Awareness and Contract Risk Education in Construction Engineering and Management

77. Manjesh Mishra, M.S. Construction Management
Luciana Debs
Assessing the Impact of XR-Based Instructions on a Construction Assembly Task
78. Niki Karimi, M.S. Construction Management
Ghazal Gholami Hossein Abadi, Fereshteh Rahmani, Carlos Moro
Decarbonizing Prestressed Concrete Girders with CO₂ Curing, A screening-level environmental and economic assessment for Texas infrastructure
79. Shishir Chandra Roy, M.S. Construction Management
Yoo Jae Kim, James Wilde
Optimization of the Ternary Concrete Mix Design using Gaussian Process Regression
80. Joya Rani Debnath, M.S. Electrical Engineering
Nathan Rabelo Martins, Luis M. Scolfaro, Ariful Haque
Computational Investigation of the Structural and Electronic Properties of Spinel MgGa₂O₄
81. Farshad Jabari, M.S. Engineering Management
Baxter Gonzalez, Meysam Khaleghian
Geometric Rollability Optimization Via Evolutionary Strategy
82. Prabeshika Khanal, M.S. Engineering Management
Wilson Espinoza
Reducing Energy Consumption with Sustainable Biochar-Mortar
83. Shashank Musunooru, M.S. Engineering Management
Meysam Khaleghian
Development of a Sensor-Based Experimental Framework and Machine Learning Models for Predictive Water Quality Monitoring
84. Amanda Davis, M.S. Integrated Agricultural Sciences
Almudena Veiga-Lopez, Barbara Makela, Cesar A. Rosales-Nieto, Richard Ehrhardt
Preconceptional Maternal Nutrition Affects Growth Performance Trajectories in Singleton Female Lambs
85. Andrea Aldape, M.S. Integrated Agricultural Sciences
Payton Kinney, Bianca Trochez-Vargas, Brian L. Bruner, Cesar A. Rosales-Nieto
Quality over Quantity: The Oxygen Advantage of Bee Pollen Supplementation
86. Andrew Haney, M.S. Mechanical and Manufacturing Engineering
Collins Kiguye, Sangchul Hwang, Namwon Kim
Selectively Detecting PFOA With a MOF 3D-Printed Electrochemical Sensor
87. Prakash Rai, M.S. Mechanical and Manufacturing Engineering
Bahram Asiabanpour
Design and Manufacturability analysis of Schwarz TPMS for Atmospheric water generation.
88. Shourav Ghosh, M.S. Mechanical and Manufacturing Engineering
Pratik U. Karkhanis, Scott F. Yeatman, Will Gellner, Bernardo Meza, Javier Ramos, Jitendra S. Tate
Effect of Bimodal Particle Size Distribution in Strontium Ferrite–Polyamide Composites for Extrusion-Based Additive Manufacturing of Bonded Magnets
89. Anil Kumar Manal, M.S. Physics
Fatima Tuz Zohora Toma, Leo Rodriguez, Anisul Islam, Wilhelmus J. Geerts
Correlation between Magnetic Anisotropy and texture in 3D Printed Strontium Ferrite/PA12 Magnetic Composites
90. Jacob Hyden, M.S. Physics
Andrea Banzatti, Benjamin M. Tofflemire, Sebastiaan Krijt, Till Kaeufer, Klaus M. Pontoppidan, Christian Rab, Carlo F. Manara, Joan Najita, Adrien Houge, Adwin Boogert, Catherine Dougados, Myriam Benisty, James Muzerolle
JWST-MIRI and Ground Based Monitoring of DQ Tau: Observing Molecular Gas Flooding an Inner Cavity of a Circumbinary Disk
91. Juan Cano, M.S. Physics
Andrea Banzatti, Jacob Hyden, Ektor Galan
A High-Resolution Spectroscopic Survey of CO Line Variability in Protoplanetary Disks
92. Nazwa Chowdhury, M.S. Physics
Md Mahamudul Hasan, Subodh Aryal, Priyanshi Patel, Kenji Watanabe, Takashi Taniguchi, Yoichi Miyahara
Kelvin Probe Microscopy Study of Moiré-Induced Electronic Modulation in 2D Semiconductors
93. Priyanshi Patel, M.S. Physics
Nazwa Chowdhury, M.M. Hasan, Subodh Aryal, Yoichi Miyahara
Visualizing Moire Superlattices in Twisted Hexagonal Boron Nitride via Frequency Modulation and Piezoresponse Force Microscopy
94. Scott Spencer, M.S. Wildlife Ecology
Leila Siciliano-Martina
Impacts of captivity on bone density in Mexican gray wolves (*Canis lupus baileyi*)
95. Heshini Weerakkody, Ph.D. Aquatic Resources and Integrative Biology
Suntehra Dharmasiri, Nihal Dharmasiri
Holding hands to beat the heat: Role of PIC5 and its homolog in Arabidopsis response to increasing temperature
96. Jill Zipperer, Ph.D. Aquatic Resources and Integrative Biology
Brianna Bolanos, Carrie Jo Bucklin, Kristy Daniel
Preliminary Development of a New Instrument to Measure Adults' Perceptions of Science & Scientists
97. Kaushal Yadav, Ph.D. Aquatic Resources and Integrative Biology
Christopher Serenari
How underlying rules and norms organize human conflict with elephants in Nepal

98. Namrata Bhandari, Ph.D. Aquatic Resources and Integrative Biology
Ivan Castro-Arellano
Do Asian ungulates conserve temporal niches? Ecological and evolutionary implications
99. Sabina Prajapati, Ph.D. Aquatic Resources and Integrative Biology
Susan Schwinning, Jason P. Martina, Jenifer L. Yost
Uncoupling the roles of below - ground productivity and species richness in soil carbon sequestration: Comparison of root biomass and rooting depth
100. Tatiana Velasquez-Roa, Ph.D. Aquatic Resources and Integrative Biology
Maria A. Hurtado-Materón, Ángel L. Robles-Fernández, Iván Castro-Arellano
Analyzing cyclical patterns in ecology: an R-based update to the Rosario algorithm
101. Tilak Chaudhary, Ph.D. Aquatic Resources and Integrative Biology
Jenifer L. Yost, Merilynn Schantz, David Rowley, Joseph W. Veldman, Jason Martina
Soil disturbance reduces carbon inputs and accelerates losses of soil organic carbon in a Texas Grassland
102. Kathleen Shank, Ph.D. Civil Engineering
Himmat Basnet, Eunsang Cho, Sangchul S. Hwang
Predicting PFAS Hotspots in a Changing Climate: A Geospatial Machine Learning Approach
103. Samuel Yaw Mensah, Ph.D. Information Engineering, Tianjin University
Tao Zhang, Yangzhang Geng, Nahid-Al-Mahmud
Deep Learning-Based Speech Enhancement for Robust Sound Classification in Security Systems
104. Heather McEntire-Benitez, Ph.D. Integrated Molecular and Biophysical Chemistry
Jiayi Fan, Lillian Eliaz, Tanu Kar, Thomas Forbes, Paris Salmon, Xiaoyu Xue
Mechanism of Smc5/6-mediated Protein Sumoylation in Genome Maintenance
105. Adedayo Alaga, Ph.D. Materials Science, Engineering, and Commercialization
Saif Al Arafin Taqy, Ariful Haque
Multimodal Investigation of Laser-Induced Doping in Diamond - Performance Insights from Structural and Chemical Characterizations
106. Alka Subedi, Ph.D. Materials Science, Engineering, and Commercialization
Fereshteh Rahmani, Hyunhwan Kim, Moon-Sup Lee, Soon-Jae Lee
XRD-Based Microstructural Characterization of Carbonate and Siliceous Aggregate in Concrete
107. Bijay Khanal, Ph.D. Materials Science, Engineering, and Commercialization
Sydney K Mock, Niraj Bag, Md Mahamudal Hasan, Naoh L Austin-Bingamon, Yoichi Miyahara, Nathan Satchell
Magnetism in Pt/Co/Cu multilayers: dependence on Co thickness and the influence of additional superconducting Nb layers
108. Fereshteh Rahmani, Ph.D. Materials Science, Engineering, and Commercialization
Alka Subedi, Niki Karimi, Hyunhwan Kim, Soon-Jae Lee
Evaluating Cradle-to-Gate Environmental Life Cycle Impacts of River Gravel and Limestone as Concrete Aggregates
109. Ghazal Gholami Hossein Abadi, Ph.D. Materials Science, Engineering, and Commercialization
Carlos Moro, Niki Karim
Improving the Prediction of Concrete Compressive Strength from Non-Destructive Test Data Under Varying Curing Temperatures Using Artificial Neural Networks
110. Leo Rodriguez, Ph.D. Materials Science, Engineering, and Commercialization
Wilhelmus Geerts
Triaxial Vibrating Sample Magnetometer (TVSM) Z-Coil Design Considerations
111. Lillian Eliaz, Ph.D. Materials Science, Engineering, and Commercialization
Xiaoyu Xue, Ava Miller
Promoting DNA damage repair: Characterizing binding between ZGRF1 helicase and RAD51 recombinase in homologous recombination
112. Maria Sultana, Ph.D. Materials Science, Engineering, and Commercialization
Ariful Haque
Diamond Dopant Formation Energy Prediction using Advanced Machine Learning Models
113. Seemanta Deb, Ph.D. Materials Science, Engineering, and Commercialization
Leticia Gonzalez, Steven T. Whitten, Karen A. Lewis
Self-Association of EYA Proteins is Driven by the Intrinsically-Disordered N-terminal Transactivation Domain
114. Shuvo Brahma, Ph.D. Materials Science, Engineering, and Commercialization
Vaidan Gustafson, Alyssa Libonati, Marcus Goss, R. Kōnane Bay, Jennifer Irvin, Tania Betancourt
Vapor Phase Deposition of Electroactive Polymers onto Electrospun Commodity Polymer Nanofibers
115. Susannah Sherwood, Ph.D. Materials Science, Engineering, and Commercialization
Yihong Maggie Chen
Formulation and optimization of a novel aerosol jet printing method to manufacture PVDF-HFP films
116. Tanzila Kamal Choity, Ph.D. Materials Science, Engineering, and Commercialization
Bhavya Doddavarapu, Jayasekara M Udayangani, Dinesh S Pujara, Padam S Bhatt, Hong Gu Kang.
Overexpression of tRNA-derived small RNAs Enhances Resistance in Plants
117. Tarek Aziz, Ph.D. Materials Science, Engineering, and Commercialization
David Schilter, Sonam Meharotra
Synthetic models of the methyl-coenzyme M reductase active site
118. Abu Zobayer, Ph.D. Mathematics
Jeremiah Birrell, Reza Ebrahimi
Enhancing the Adversarial Robustness of Machine Learning Models: Application of a Dynamical Formulation of Optimal Transport
119. Dai Duong Le, Ph.D. Mathematics Education
Levina Ansong Owusu, Maureen Patricia Gerlofs
A Lesson Plan Integrating Fraction Subconstructs Through Tasks For Developmental Mathematics Students
120. Joyce Nsiah Asante, Ph.D. Mathematics Education
Positioning Students as Mathematics Doers in Ghanaian Elementary Schools

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