

Session #	Poster #	First Name	Last Name	Institution	Abstract Title
1	1	Eyuaem	Abebe	Elizabeth City State University	Do Lessons from Model Institutions of Excellence Work Elsewhere? An Assessment of Impact of A Comprehensive Support on Success in Two Gateway Biology
1	63	Muhammad	Akbar	Tennessee State University	Development and Study of an Implicit Model for Rapid and Accurate Simulation of Hurricane Storm Surge
1	31	Maruthi	Balaji Bhaskar	Texas Southern University	Modeling Mercury Flow Dynamics and Bioaccumulation along East Fork Poplar Creek (EFPC)
2	48	Hacene	Boukari	Delaware State University	Multimodal and Integrated Approach for Detection and Characterization of Nanoparticles Embedded in Polymeric Systems
1	61	Vivian	Carter	Tuskegee University	The Fostering Retention in STEM Disciplines at HBCUs
1	45	Michelle	Claville	Hampton University	Nanoscience Project at Hampton University (NanoHU): Broadening the Participation of Undergraduates in STEM Education with Nanoscience
2	62	Lawanda	Cummings	Paine College	Understanding Barriers to STEM Education for African American Women
1	13	Steven	Damo	Fisk University	Revealing the Structural Basis for Calprotectin-RAGE Signaling Axis
1	49	Mario	Diaz	University of Texas Rio Grande Valley	The Center for Gravitational Wave Astronomy in the Centenary of Einstein's Theory of Relativity
1	57	Maurice	Edington	Florida A&M University	HBCU-UP Implementation Project: Student Centered Active Learning and Assessment Reform (SCALAR) at Florida A&M University
2	32	Rashidah	Farid	Alabama A&M University	Forest Disturbance Long-term Impacts on Amphibian Populations Genetic Diversity, William B. Bankhead National Forest
2	14	Manliang	Feng	Tougaloo College	Variable Temperature Resonance Raman Spectroscopic Studies of MauG

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2	10	Lawrence	Flowers	Livingstone College	Exploring STEM Student Perceptions of HBCU STEM Career Development Activities
2	22	Mohammad	Fuad	Winston-Salem State University	Mobile Response System: Making Class Engagement Interactive
2	58	Kinnis	Gosha	Morehouse College	Broadening Participation Research Project: Exploring Computing Careers through a Virtual Career Fair using Embodied Conversational Agents
2	64	Komitige	Hashanthi Perera	Howard University	Probing the Interactions Between $\alpha$ -1, 4-Mannobiose Molecules, Using AFM
1	21	David	Heise	Lincoln University	Computational Research on Music & Audio (CRoMA): Year One Review
2	18	Lisa	Hibbard	Spelman College	Use of a Flipped Learning Pedagogy in the General Chemistry Sequence
2	26	Gary	Holness	Optical Science Center for Applied Research, Delaware State University	Interactive Data-mining of Spectroscopic Data
1	65	Mahesh	Hosur	Tuskegee University	Center of Excellence in Nanobiomaterials Derived from Biorenewable and Waste Resources
2	40	Sanjukta	Hota	Fisk University	Targeted Infusion of an Undergraduate Bio-Track Program in Fisk University
2	66	Kerry	Howe	University of New Mexico	UNM Center for Water and the Environment: An NSF CREST Center
2	2	Chiu-Yueh	Hung	North Carolina Central University	How Do White Cells Survive in Variegated <i>Epipremnum Aureum</i> 'Marble Queen'?
1	27	Sajid	Hussain	Fisk University	TIP: Transforming Computer Science Education using 'upside down' Curriculum, Course-embedded Projects, Integration with other STEM Disciplines

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1	33	Hyun-Min	Hwang	Texas Southern University	Real-time Atmospheric PM Monitoring Using a Portable Sensor
1	11	Raphael	Isokpehi	Bethune-Cookman University	Quantitative Expertise in the Undergraduate Biology Curriculum (QEUBiC) Framework at Bethune-Cookman University
2	38	Raphael	Isokpehi	Bethune-Cookman University, Daytona Beach, FL	Impact of Targeted Infusion Project Funding on Equipment Infrastructure at Bethune-Cookman University
2	52	Caesar	Jackson	North Carolina Central University	Relating Entrepreneurial Thinking to Student Outcomes in STEM
2	50	Mohammad	Khan	Optical Science Center for Applied Research (OSCAR), Delaware State University	Sustainability and Growth of CREST: Leading Research and Education through Innovation and Economic Development
1	3	Jennifer	Kovacs	Spelman College	Evolutionary and Ecological Impacts of Horizontal Gene Transfer in Arthropods
2	34	William	Krugh	California State University, Bakersfield	CSUB NSF CREST Research on Climate Change and the San Joaquin Valley, CA
1	39	Aprillya	Lanz	Norfolk State University	Mathematical Assessment of Methamphetamine Abuse in a Specific Population
1	15	Jerzy	Leszczynski	Jackson State University	Interdisciplinary Nanotoxicity CREST Center
1	19	Qingxia	Li	Fisk University	Fostering STEM Mastery with Case studies in Developmental Mathematics, Supplementary Instruction in Gatekeeper Courses, and Course-Embedded Research
2	28	Wei	Li	Texas Southern University	The Introduction of NSF CREST Center for Research on Complex Networks at Texas Southern University
2	12	Chad	Markert	Winston-Salem State University	Regenerative Medicine: A Vehicle to Infuse Laboratory-Bench STEM Modules

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1	29	Larry	Mattix	Norfolk State University	Graduation Academy - Transitioning STEM Students to Graduation and Graduate School
1	41	Camille	McKayle	University of the Virgin Islands	Mathematics Behind The Science: A Mathematics and Computation Summer Program for Incoming STEM Freshmen
1	53	Prabhakar	Misra	Howard University	Targeted Enhancement of the Undergraduate Physics Program in the Department of Physics and Astronomy at Howard University
2	4	Brian	Nelms	Fisk University	The Transcription Factor FKH-8 is Essential for Dopamine Neuron Function
1	5	Joseph	Onyilagha	University of Arkansas at Pine Bluff	The Genetic Code: Pathways of the 20 Standard Amino Acids
1	67	Xiaobo	Peng	Prairie View A&M University	Using Peer-Generated Screencast in Teaching Computer-Aided Design
1	23	Enrico	Pontelli	New Mexico State University	Design of Intelligent Technologies for Smartgrids
2	24	Lijun	Qian	Prairie View A&M University	Multiscale Drug Effects Modeling using Applied Systems Pharmacology
2	16	Daniela	Radu	Delaware State University	Infusing Sustainability Concepts in Undergraduate Chemistry Research
2	54	Mukti	Rana	Optical Science Center for Applied Research (OSCAR), Delaware State University	Student Support and Success - A Data Driven Story from CREST at Delaware State University
2	44	Vijaya	Rangari	Tuskegee University	Effect of Reinforcement of Eggshell-based Nanopowder on Biodegradable Flexible Polymer Blends
1	17	Kevin	Riley	Xavier University of Louisiana	Effect of Basis Set Size on the Quality of the Molecular Electrostatic Potential





