



California Central Coast Community College Collaborative (C6)

Allan Hancock College | Cabrillo College | Cuesta College | Monterey Peninsula College | Moorpark College | Oxnard College
Santa Barbara City College | Ventura College

Fall 2024 Research Symposium Poster Presenters

Name	C6 College	Project
Audel Guizar	Allan Hancock College	Comparing Native and Introduced Species: Biodiversity and Predation Patterns in Alaska vs Panama
Elijah Kamery	Allan Hancock College	City of Lompoc Stormwater Map
Serenity Macedo	Allan Hancock College	How does climate impact bird species presence in the Himalayas
Trey Elliott	Allan Hancock College	Design and Implementation of Robotics to better the workers
Saul Chavez	Allan Hancock College	Environment Factors Influencing Bird Abundance in the Himalayas: Data Analysis and Visualization Using RStudio
AHC Robotics Team	Allan Hancock College	Developing Remotely Operated Vehicles for Ocean Exploration
Gabriella Castro	Cabrillo College	Seasonality of nitrogen-fixing <i>Braarudosphaera bigelowii</i> in coastal Monterey Bay, California
Carlo DeSilva	Cabrillo College	Cutting the Line: Utilizing Maldi-Tof MS for Rapid Discovery of Microbial Natural Products
Emilio Paz	Cabrillo College	The Role of the Southern Ocean During the Warm Pliocene and the Transition to the Ice Ages
Alfredo Duque	Cuesta College	The Effects of Substituents on the pKa of Benzoic Acid
Fathima Morales	Cuesta College	Evaluation of Clove, Rosemary, and Peppermint Essential Oils for Antimicrobial Activity
Lina Guardado, Tiffany Pineda, Hurley Rosales	Cuesta College	Utilizing the Engineering Design Process to Incorporate Pressure Sensors into a Vex Robotic Arm and Track System with Multiple Arduino Uno Microcontrollers
Austin Tavares, Luis Cuecuecha	Cuesta College	2D Game Development with Java AWT Frameworks
Carson Dorough and Avaye Prodhan	Cuesta College	Exploring Pi and Infinite Series: A Journey Through the Mathematical Canon
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Khoa Dang, Jackson Isidor, Grisha Dekhtyar, Mayumi Paraiso	Cuesta College	Understanding COVID-19 Vaccination Behavior: Analyzing Equity and Factors Impacting Uptake
Curtis Bradley	Cuesta College	Trigonometry, Planar Geometry, and Location by Trilateration with Unknown Stations
Oscar Galindo	Monterey Peninsula College	BMP-Dependent Control of Substrate Morphogenesis By Migrating Cells
Christopher Barraza and Brandon H. Pillar	Monterey Peninsula College	Applications of ROV Technology in Environmental Sampling: The Hunt for Trash and Microplastics
Ryan Beck	Monterey Peninsula College	How does water clarity affect the number of species in the ocean?
Kat S. Drumright, Jules A. Dye	Monterey Peninsula College	Distribution of Marine Organisms Based on Depth & Location at the Monterey Municipal Wharf
Jacob Mejia	Monterey Peninsula College	Investigating the Effects of the V73A Mutation on p18 Tumor Suppressor Activity
Josue Ortiz	Monterey Peninsula College	Developing a Recyclable Silver-Based MOF for Efficient Capture of PFAS
Angel Vazquez	Monterey Peninsula College	Fitbit Data Aggregator for Large Scale Kinesiology Research
Angel Vazquez	Monterey Peninsula College	Canvas Integrated Assessments Website
Julian Clark	Monterey Peninsula College	Redesigning a Charging Adapter for Reduced Manufacturing Cost
Jordan Simpson and Andrew Gibbs	Monterey Peninsula College	Motorized Disk Aligner for Mass Flow Meter Manufacturing
Gonzalo Trujillo and Isaiah Rivera	Monterey Peninsula College	Task-Oriented Vector Control of a Robotic Arm
Erica Lopez and Viridiana Ramos	Monterey Peninsula College	Coding the X-Arm in C using an rPi/Arduino Platform
Tyler Maldonado	Ventura College	Implications for Marine Biodiversity: Ecological Impacts Across Pacific Ocean Regions
Lara Kassab	Ventura College	Prediction and Synthesis of Weberite-Type Sodium Metal Fluoride Cathode
David Ramos	Ventura College	Relationship of acoustic emissions and radiation patterns
Summyr Levitoff, Charys Pyle, Anthony Martinez	Ventura College	Beach wrack structures biodiversity of wrack-consuming macroinvertebrates at Santa Rosa Island
Luis Montalvo	Ventura College	Impact of a Category 2 Hurricane on Microplastics Distribution in a Freshwater Environment in Rivera Maya



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