



MEMORANDUM

Student Research Scholars (SRS) for Academic Year 2025-26.

Title of Project	Student	Department	Faculty Mentor
The Dragon Lady’s Triumph: Aileen Eaton’s Legacy in Sports Promotion from 1942-1980	Kathryn Gontijo-Doucette	History	Dr. Stephen Allen
The Tite Military Garrison in Portuguese Guinea: A Reconstructive History, 1958-1974	Daniel Ware	History	Dr. Mustafah Dhada
The History of Whiteness in Tehachapi California	Luc Burdick	History	Dr. Moisés Acuña-Gurrola
Sustainable Encounters: Ethical Research on Cultural Heritage and Tourism in Costa Rica	Jesus Zamudio Zavala	Spanish	Dr. Teresa Fernández-Ulloa



Bilingual Adaptation of Theatre for Young Audiences	Linnette Serrano	Communications	Dr. Amy Ressler
Dirt Under Her Nails: Performance Rooted in Defiance	Yelitza Amador Orozco	Theatre	Dr. David Melendez
Mapping the Imaginative Mind: A Creative and Ecocritical Exploration of Place in Bakersfield	Brayden Cales	English	Mathew Woodman
Sowing Seeds for Kern's Sexual Health, 1960s - 1990s	Kayla Kiefer	History	Dr. Kiran Garcha
Connotations of Softness in Photoquilting	Lili Goddard	Studio Art	Jedediah Caesar
Yemenis of Kern	Anhar Alomaisi	History	Dr. John Chen
Dead Birds, Cold Fish: An Observational Study of Nature, Perception, Thought, and Art through Poetry	Madison Darwish	English	Matthew Woodman



Opportunities for Small- and Medium-Sized Enterprises During Mega Sporting Events: A Focus on the FIFA World Cup in the US, Canada, and Mexico	Solafa Harb	Business Administration - Marketing	Dr. Milad Pira
Developing Interactive Dashboards for Mapping, Reporting, and Time Series Analysis of Agricultural Data in Kern County	Simranjeet Kaur	Agricultural Business	Dr. Zhenning Xu
Navigating Environmental Adversity: Green HRM Practices and Resilience in California's San Joaquin Valley	Sankalp Pankaj Bhatia	Management & Marketing Department	Dr. Sunjin Pak
The Industrial Composition of Work in Kern County, California	Bryan Acosta	Econ	Dr. Rich Ryan



Taxes Collected in Kern County, California, and the Price of Oil	Ashlee Kresha	Economics	Dr. Rich Ryan
Hoes Does Proximity to Farms Impact Home Values?	Diana Zamora	Economics	Dr. Nyakundi Michieka
Understanding the Impact of Supervisor Workaholism on University Students in Dual Roles	Jesus Arellanes Gutierrez	Business and administration	Dr. Sunjin Pak
Identification of Streptomyces sp. GM18-153 antimicrobial compound	Jazmin Rodriguez	Chemistry & Biochemistry	Dr. Danielle Solano
Spatial Distribution of Sonic Boom Intensity and Protected Species in Southern California	Hugo Zepeda	Biology	Dr. Lucas Hall
Bifurcations in Discrete Models With Time-Dependent Parameters	Jose Mendoza Amador	Mathematics	Dr. Brian Ryals



Do conservation efforts inadvertently expose fish to microplastic pollution?	Jade Dominguez	Biology	Dr. Rae McNeish
Method Development for the Extraction and Quantification of Phthalates in Soil Samples along the Kern River	Jennifer Kobee	Chemistry and Biochemistry	Dr. Lance Talbert
Fueling the Mind: Exploring the Relationship between Caffeine, Stress, and Academic Performance among CSUB Undergraduate Students	Kelbi Banducci	Biology (Major), Psychology (Minor/Research)	Dr. Isabel Sumaya
Tracking Trash: Patterns of Anthropogenic Litter in the Kern River	Dana Garcia	Biology	Dr. Rae McNeish



Characterizing Genetic Variation in the cyp51A Gene Among Environmental Fungi to Investigate Azole Resistance	Ashley Sevier	Biology	Dr. Antje Lauer
Discovering the function of A-Factor and its relationship with TetR in the newly discovered motility of <i>Rhodococcus fascians</i> D188	Donald Hudson	Biology	Dr. Isolde Francis
Effects of anthropogenic disturbances on fish communities in the Lower Kern River	Stephaniee Florez	biology	Dr. Rae McNeish
Kern River in Crisis: Anthropogenic activities transform a perennial river into an ephemeral river	Andrew Alba	Biology	Dr. Rae McNeish



Analyzing the mycorrhizal community compositions in symbiosis with carrots in local production	Francisco Ortega	Biology	Dr. Isolde Francis
Leaf life span of chaparral shrubs and plant functional strategies	Arthur Schneider	Biology	Dr. Anna Jacobsen
Investigating the Anti-Parasitic and Immunomodulatory Effects of ProbioticDerived Extracellular Vesicles Against Giardia duodenalis	Kenya Espinoza	Biological Sciences	Dr. Thibault Allain
The Potential Effect of Plasma-Activated Water (PAW) on Agriculture	Emma MacKinnon	Department of Engineering	Dr. Gyeong Sung Kim



Water Vapor Condensation Enhancement by Electrohydrodynamic Technology	Eric Medina	Engineering	Dr. Gyeong Sung Kim
Synthesis of a Curcumin Derivative Using Traditional Ways and Comparing with a Green Chemistry Focus	Jypher Hernando	Chemistry and Biochemistry	Dr. Danielle Solano
Phage hunting to combat the plant pathogenic bacterium <i>Rhodococcus fascians</i> D188	Manuel Quintanilla	Biology	Dr. Isolde Francis
Synthesizing Redox Mediators for use in Biohybrid Solar Cell	Noel Samano	Chemistry	Dr. Jesse Bergkamp
Vessel diameter in woody angiosperm trees and shrubs	Marcos Ramirez	Biology	Dr. Anna Jacobsen



AI-Powered Electrical System Diagram Generator: SRS Research Proposal	Alonso Cardenas	Computer Engineering	Dr. Ehsan Reihani
Teaching Machines to Listen: Designing a Novel Musical Language for Generative AI	Huaiyu Zhang	Computer & Electrical Engineering & Computer Science	Dr. Chengwei Lei
Valley Fever - An Epidemic	Ciya Liz Manoj	Biology	Dr. Antje Lauer
Mycorrhizal associations aiming to support Dudleya establishment success and conservation	Karyme Romero	Biology	Dr. Kane Keller
Possible sequestration of Tetrodotoxin in garter snake musk	Vanessa Nesheiwat	Biology	Dr. Amber Stokes
Birth Control Derivative	Gisel Larios	Chemistry and Biochemistry	Dr. Danielle Solano



Reproductive Success of California Least Terns and Western Snowy Plovers Through Years of Low Rocket Launch Cadence	Rachel Budge	Biology	Dr. Lucas Hall
Study of Conductive Metal Nanoparticle using Molecular Dynamics and Recurrent Neural Networks based Artificial Intelligence	Priyanshu Luhar	Department of Computer and Electrical Engineering and Computer Science	Dr. Sungwook Hong
Exploring the environmental conditions driving the newly discovered motility in <i>Rhodococcus fascians</i>	Hannah-Betty De Moica	Biology	Dr. Isolde Francis
Storying the Experiences of LGBTQ+ Educators in an Era of Backlash	Olive Garrison	DPEL	Dr. Brittney Beck



The Intersection of AI Advancement and Human Identity	Jose Sanchez Cortez	Kinesiology	Dr. Joshua Gordon
Exploring a Job Reintegration Program for Homelessness in Kern County	Jackson Stout	Political Science	Dr. Michael Ault
Exploring Eye Gaze Behavior During Face Matching Task	Christine Ziemann	Psychology	Dr. Maruti V. Mishra
Horseshoes and Hand Grenades: Are they really as close as it seems?	Suzanne Parker	Psychology	Dr. Jake Womick
Investigating Osteoarthritis Development post-ACL Injury in Bakersfield, CA	Matthew Reid	Kinesiology	Craig Harnetiaux
Temporality of face perception and memory	Carlos Machuca	Psychology	Dr. Maruti V. Mishra



Beyond Access- Understanding How Beliefs, Barriers, and Cultural Norms Shape Health Decisions in Disparate Economies	Brenda Cortez	Counseling Psychology - Masters	Dr. Heidi McLaughlin
Socioeconomic Status Effects on Physical Activity and Vascular Function in Young Adults in Kern County	Jesse Okoli	Kinesiology	Dr. Jahyun Kim