

2024 RESEARCH ENHANCED SUPPORT GRANT AWARDEES

Arts & Letters

Serpil Atamaz-Topcu, History

First Chapter of My Manuscript, Violence Against Women in the Early Turkish Republic (1923-1938)

3 WTUs

Jeffrey Dym, History

The Drama of Noh Music, a documentary

3 WTUs; \$500 Supplemental Monetary Grant

Kathryn Kasic, Communication Studies

The Living Ice of Greenland

6 WTUs

Kendon Kurzer, English

Mapping Writing Sites in Diverse Higher Education Institutions

3 WTUs; \$500 Travel Award

Derek Lam, Philosophy

Confucianism & Labor Movement in Sacramento

3 WTUs; \$500 Supplemental Monetary Grant

Shawna Malvini Redden, Communication Studies

Addressing Contemporary Intersectional Sexual Harassment in STEM Communities: Testing Features of a Novel Communication-Based Harassment Intervention

3 WTUs; \$500 Supplemental Monetary Grant

Scott Parady, Art

Regeneration, Ceramics and Ecology

3 WTUs; \$500 Supplemental Monetary Grant

Emily Potts, Design

Sustainability on Stage: Circular Design and World Expo Pavilions

3 WTUs

Nick Shepard, Design

Two-Way Mirror: Photography in Aotearoa New Zealand

3 WTUs; \$500 Supplemental Monetary Grant; \$4000 Travel Award

Mona Siegel, History

Rebecca Kluchin, History

Sacramento State Anti-Eugenics Project

6 WTUs; \$175 Supplemental Monetary Grant

Carmen Stitt, Communication Studies

Influential Factors Shaping Parents' Birth Expectations: A Pilot Study

3 WTUs

Michael Vann, History

Murder, Museums, and Memory: Cold War Public History in Jakarta, Ho Chi Minh City, and Phnom Penh

3 WTUs

Kim Zarins, English

Writing Immersion: a Novel Project and the Sac State Community

3 WTUs; \$500 Supplemental Monetary Grant

Business

Sadaf Ashtari, Information Systems and Business Analytics

Emerging IT for Healthcare Organizations: A Business Agility Perspective Using a Mixed-Methods Approach

3 WTUs; \$500 Supplemental Monetary Grant

Phoebe Pahng, Management and Organizations

Research Handbook on Psychological Ownership and Management

3 WTUs

Franziska Renz, Management and Organizations

The Impact of Personality Diversity on Team Dynamics: An Exploration of Introversion and Extroversion Traits

3 WTUs; \$486 Supplemental Monetary Grant

Cheng Wang, Strategy and Entrepreneurship

The Bright Side of Organizational Misconduct? Social Connectedness Between the Police and the Small Business Communities

3 WTUs

Education

Leah Geer, Undergraduate Studies in Education

Promoting Rich Accessible Language at Home: An ASL Class for Families of Deaf Children

6 WTUs

Maiko Xiong, Graduate & Professional Studies in Education

Mental Health Literacy: A Phenomenological Study of High School Students' Experiences

6 WTUs

Engineering & Computer Science

Masoud Ghodrat Abadi, Civil Engineering

Evaluation of Distracted Pedestrian Behavior at Signalized Intersections

3 WTUs; \$2000 Travel Award

Richard Armstrong, Civil Engineering

Toward the increased use of 3D analyses for seismic evaluation of earth dams

6 WTUs

Jose Garcia, Civil Engineering

Laboratory Testing of Sustainable Concrete Mixtures Cured at an Elevated Temperature

6 WTUs; \$500 Supplemental Monetary Grant; \$3000 Travel Award

Amir Javan Khoshkholgh, Electrical & Electronic Engineering

Modeling and Analysis of a Cuffless Wearable Sensor for Continuous Monitoring of Blood Pressure and Hypertension

6 WTUs; \$500 Supplemental Monetary Grant

Atefeh Mohammadpour, Construction Management

Electric School Buses: A Sustainable Power Source and Emergency Response Solution

3 WTUs; \$500 Supplemental Monetary Grant

Amir Motlagh, Civil Engineering

Evaluating the effectiveness of stormwater management practices on water quality at urban watershed scale

3 WTUs

Pinar Muyan-Ozcelik, Computer Science

Undergraduate Research Experience in Parallel Computing

3 WTUs; \$500 Supplemental Monetary Grant; \$2000 Travel Award

Ghassan Shobaki, Computer Science

Undergraduate Research Experience in Algorithms and Compilers

6 WTUs; \$500 Supplemental Monetary Grant; \$2000 Travel Award

Sarvena Sobhansarbandi, Mechanical Engineering

Optimal Renewable Solutions for Low-Income Households: A Multi-faceted Approach

3 WTUs; \$500 Supplemental Monetary Grant; \$3000 Travel Award

Troy Topping, Mechanical Engineering

Kevin McClain, Mechanical Engineering

Siemens Railcar Material Development and Failure Analysis

6 WTUs; \$500 Travel Award

Ilhan Tuzcu, Mechanical Engineering

Modelling and Dynamics of Highly Flexible Aircraft Using a Geometrically Nonlinear Structural Model

3 WTUs; \$1700 Travel Award

Health & Human Services

Arturo Baiocchi, Social Work

Exploring short-term vs. long-term strategies of addressing of homelessness in Sacramento; The trade-offs and lived experiences of different strategies

6 WTUs; \$500 Supplemental Monetary Grant

Gwenaelle Bague, Kinesiology

Effects Of Menstrual Cycle Phase On Muscular Performance And Repair After Resistance Exercise-Induced Muscle Damage

6 WTUs; \$500 Supplemental Monetary Grant

Matthew Brown, Kinesiology

Exercise effects on people with Parkinson's disease

6 WTUs; \$500 Supplemental Monetary Grant

Susanna Curry, Social Work

The Housing Crisis and Homesharing: Deepening Knowledge on an Innovative Homelessness Prevention Model

6 WTUs; \$500 Supplemental Monetary Grant

Leah Joyner, Recreation, Parks & Tourism Administration

Gabrielle Gonzales, Sociology, SSIS

Growing Educational Pathways for Food Sovereignty at CSUS

6 WTUs

Carel Mountain, Nursing

Mental Health Simulation: Escape Room

6 WTUs; \$500 Supplemental Monetary Grant

Alexa Sardina, Criminal Justice

The Survivors Memorial: The First Memorial to Survivors of Sexual Violence

6 WTUs

Katie Savin, Social Work

Uplifting Disabled People's Perspectives through Qualitative Research and Community Events

3 WTUs; \$500 Supplemental Monetary Grant

Natural Sciences & Mathematics

Rodolfo Barniol Duran, Physics & Astronomy

Study of astrophysical jets in neutron star mergers via numerical simulations

6 WTUs

Kurtis Burmeister, Geology

Enhancing student understanding of three-dimensional spatial relationships among topography and geologic elements using physical models

3 WTUs; \$500 Supplemental Monetary Grant

CALIFORNIA STATE UNIVERSITY, SACRAMENTO

Ronald Coleman, Biological Sciences

Evolutionary Ecology of Fishes and other Vertebrates

6 WTUs; \$500 Supplemental Monetary Grant; \$500 Travel Award

Clint Collins, Biological Sciences

Quantifying the connections between musculoskeletal morphology and the ecology of bipedal hopping in kangaroo rats

6 WTUs

Timothy Davidson, Biological Sciences

Do burrowing ecosystem engineers ameliorate the effects of environmental stressors on intertidal invertebrates?

3 WTUs; \$445 Supplemental Monetary Grant

Arik Davidyan, Biological Sciences

Assessing Student Stress in STEM Courses Using Wearable Smart Devices: Investigating the Impact of Pedagogical Practices on Students

3 WTUs; \$500 Supplemental Monetary Grant; \$6000 Travel Award

Rafael Diaz-Escamilla, Mathematics & Statistics

SAVIS: An analysis and Visualization Tool for Inferential Statistics

3 WTUs

Anna Doty, Biological Sciences

Monitoring bats for evidence of white-nose syndrome in Sequoia and Kings Canyon National Parks

6 WTUs

Sayonita Ghosh Hajra, Mathematics & Statistics

Examining Academic Self-efficacy

3 WTUs; \$495 Supplemental Monetary Grant

Mikkel Herholdt Jensen, Physics & Astronomy

Mechanical Characterization of the Degradation of Plastics and Biocompatible Alternatives

3 WTUs

Jacqueline Houston, Chemistry

Mentoring undergraduate students in 'green' chemistry research.

3 WTUs; \$472 Supplemental Monetary Grant

Santosh Kandel, Mathematics & Statistics

Hypothesis testing for non-linear functional data

3 WTUs; \$495 Supplemental Monetary Grant

Matthew Krauel, Mathematics & Statistics

Cory Shanbrom, Mathematics & Statistics

A student-driven mixed methods analysis of the effectiveness of the Peer Assisted Learning program on the career success of its student facilitators

6 WTUs; \$3000 Travel Award

CALIFORNIA STATE UNIVERSITY, SACRAMENTO

Chris Lopez, Biological Sciences
Environmental effects on microbe-microbe interactions
6 WTUs; \$500 Supplemental Monetary Grant

Kelly McDonald, Biological Sciences
Examining the impacts of inclusive mentor training on undergraduate STEM research students' persistence and career aspirations
3 WTUs; \$500 Supplemental Monetary Grant

Katherine McReynolds, Chemistry
Glycopolymers as Broad-Spectrum Anti-Viral Drugs
6 WTUs; \$2000 Travel Award

Hanieh Molana, Geography
Geopolitics of the Middle East and North Africa: Regional dynamics and international dimensions
6 WTUs

Joya Mukerji, Biological Sciences
Cathy Ishikawa, Biological Sciences
Facilitating Access to High-Impact Curricular Experiences for STEM Students with Disabilities and/or Chronic Illnesses: Identifying and Sharing Best-Practices
6 WTUs; \$3000 Travel Award

Kimberly Mulligan, Biological Sciences
Justin Miller-Schulze, Chemistry
*Developing *Drosophila melanogaster* as a biomonitor for neurotoxicity risk assessment of air quality*
6 WTUs; \$500 Supplemental Monetary Grant

Erin Olson, Biological Sciences
Characterization of Nectar Microbes from two California Columbine Wildflowers
6 WTUs; \$500 Supplemental Monetary Grant

Jas Pannu, Mathematics & Statistics
Big Data Analytics to Promote Equity
3 WTUs

Alexander Pettitt, Physics & Astronomy
Spiral Galaxy Simulations from Different Perspectives
6 WTUs

Semarhy Quinones-Soto, Biological Sciences
Broadening Participation of Undergraduate Researchers through Research-related Skills and Inclusive Mentoring Training
6 WTUs

Andrew Reams, Biological Sciences
Investigating the role of exogenous and endogenous sources of DNA-damage in stimulating gene amplification mutations
6 WTUs; \$500 Supplemental Monetary Grant; \$1500 Travel Award

Amelia Vankeuren, Geology
Tracking groundwater sustainability in the Sacramento area
3 WTUs

Joshua Wiscons, Mathematics & Statistics
Symmetry and Complexity of Finite Structures
3 WTUs

Social Sciences & Interdisciplinary Studies

Itzel Aceves-Azuara, Psychology
Cultural Differences in Collaboration? Exploring College Student Group Work
6 WTUs

Mark Brown, Political Science
Reparations and Democracy in California
3 WTUs; \$500 Supplemental Monetary Grant

Sharon Flicker, Psychology
Mindfulness, Flow, and Task Enjoyment as Predictors of Anxiety Reduction during Adult Coloring
6 WTUs

Sharon Furtak, Psychology
Contributions of Rat Perirhinal Cortex to Associative Memory Formation
6 WTUs; \$2800 Travel Award

Si Gao, Environmental Studies
Exploring the 'Diversity-Productivity' Paradigm in Compost-Amended Soils: Unraveling Microbial Mechanisms for Nutrient Dynamics and Sustainable Agriculture
3 WTUs; \$500 Supplemental Monetary Grant

Henry Gonzalez, FACS
Pathways to Promoting Parenting and Academic Success among Student Parents at a Hispanic Serving Institution
3 WTUs; \$500 Supplemental Monetary Grant

Young-Im Lee, Political Science
Rise, Fall, and Revival: Park Geun-hye, Authoritarian Nostalgia, and Gender Politics in South Korea (Book manuscript)
6 WTUs; \$500 Supplemental Monetary Grant; \$4000 Travel Award

Caio Miguel, Psychology
Developing a bidirectional naming assessment for children diagnosed with autism
6 WTUs; \$500 Supplemental Monetary Grant; \$2000 Travel Award

Alexandra Morrison, Psychology
Managing Mental Overload with Cognitive Offloading
3 WTUs

CALIFORNIA STATE UNIVERSITY, SACRAMENTO

Elvia Ramirez, Ethnic Studies

Examining Latinx Ph.D. Student Experiences

3 WTUs; \$500 Supplemental Monetary Grant; \$1100 Travel Award

Megan Raschig, Anthropology

Creating Space for Co-Authorship

3 WTUs; \$500 Travel Award

Sahar Razavi, Political Science

The Middle East and North Africa: A Critical Introduction

3 WTUs

Christopher Rogers, Sociology

Social Science's Bridge to Invention & Inclusive Innovation

3 WTUs; \$500 Supplemental Monetary Grant

Clara Scarry, Anthropology

Stress, testosterone, and the social lives of nonhuman primates

6 WTUs; \$500 Supplemental Monetary Grant; \$2605 Travel Award

Mical Shilts, FACS

Strengthening Community Nutrition Reach and Impact for Underserved Populations through Telehealth, Research Dissemination, and Grant Exploration to Support Student Research

6 WTUs; \$500 Supplemental Monetary Grant; \$2000 Travel Award

Ayanna Yonemura, Ethnic Studies & Sociology

Women, Wars and Public Policies (Book)

3 WTUs; \$500 Supplemental Monetary Grant

Britanny Young, Psychology

Black STEM Students attending HSI's: Factors that Promote Success

6 WTUs; \$500 Supplemental Monetary Grant