

**Office of Research  
IT and Data Management Office**

**March, 2024 New Awards**

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**Arnold School of Public Health**

***Environmental Health Sciences***

**Jilling, Andrea**

*Sustainable agricultural intensification and enhancement through the utilization of regenerative agricultural management practices* 250,519

**Sponsor:** Oklahoma State University/USDA

PS PROJECT: 10013854

TOTAL\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 3

**Norman, Robert**

*Disease Modeling and Analytics to inform Outbreak Preparedness, Response, Intervention, Mitigation, and Elimination in South Carolina (DMA-PRIME)* 731,245

**Sponsor:** Clemson University/CDC

PS PROJECT: 10013619

TOTAL\_PROJECT\_AMT. IF AVAILABLE: 998,985

PROJECT YEARS: 2

***Health Services Policy & Mgmt***

**Crouch, Elizabeth**

*Strengthening Public Health Systems and Services through National Partnerships to Improve and Protect the Nation's Health: Development and implementation of a culturally sensitive, comprehensive, sexual health approach to reducing STIs and HIV for rural providers and Black/African American men* 75,296

**Sponsor:** National Foundation for the Centers for Disease Control and Prevention, Inc./CDC/HHS

PS PROJECT: 10013672

TOTAL\_PROJECT\_AMT. IF AVAILABLE: 189,305

PROJECT YEARS: 1

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**PASOS**

**Martin, Maria**

*DHEC WIC and PASOs Contract for Service* 260,193

**Sponsor:** SC Department of Health & Environmental Control (DHEC)

PS PROJECT: 10013831

TOTAL\_PROJECT\_AMT. IF AVAILABLE: 1,300,981

PROJECT YEARS: 5

*DHEC-MCHB and PASOs Partnership* 300,000

**Sponsor:** SC Department of Health & Environmental Control (DHEC)

PS PROJECT: 10013853

TOTAL\_PROJECT\_AMT. IF AVAILABLE: 600,000

PROJECT YEARS: 2

**Roth, Leslie**

*PASOs Connections for Child Development and First Steps* 95,258

**Sponsor:** SC First Steps/SCDSS

PS PROJECT: 10013486

TOTAL\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

**College of Arts and Sciences**

**Baruch Institute**

**Smith, Erik**

*Adapting salt marsh vulnerability assessment methodologies to southeastern salt marshes* 65,101

**Sponsor:** SC DNR/University of Michigan/NOAA

PS PROJECT: 10013809

TOTAL\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

*NERR Capacity Building : ACE Basin* 118,666

**Sponsor:** SC Department of Natural Resources (SCDNR)/NOAA/DOC

PS PROJECT: 10013819

TOTAL\_PROJECT\_AMT. IF AVAILABLE: 118,666

PROJECT YEARS: 3

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**Criminology & Criminal Justice**

**Regoeczi, Wendy**

*Addressing Social Determinants of Health and Community Violence through a Hospital-Based Violence Intervention Program* 46,970

**Sponsor:** PRISMA Health-Midlands/DOJ

PS PROJECT: 10013825

TOTAL\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 3

**Geography**

**Wang, Cuizhen (Susan)**

*Mapping Oyster Reef Habitat to Support Resilience Planning and Wild Oyster Harvest in South Carolina* 49,902

**Sponsor:** CORE SC at College of Charleston

PS PROJECT: 10013821

TOTAL\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

**Psychology**

**Banerjee, Meeta**

*Addressing Social Determinants of Health and Community Violence through a Hospital-Based Violence Intervention Program* 39,022

**Sponsor:** PRISMA Health-Midlands/DOJ

PS PROJECT: 10013823

TOTAL\_PROJECT\_AMT. IF AVAILABLE: 305,379

PROJECT YEARS: 3

**Harrison, Sayward**

*Strengthening Public Health Systems and Services through National Partnerships to Improve and Protect the Nation's Health: Development and implementation of a culturally sensitive, comprehensive, sexual health approach to reducing STIs and HIV for rural providers and Black/African American men* 17,131

**Sponsor:** National Foundation for the Centers for Disease Control and Prevention, Inc./CDC/HHS

PS PROJECT: 10013673

TOTAL\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

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**College of Education**

**Teacher Education**

**Vogler, Kenneth**

*America: A Story That Must Not Be Forgotten*

775,689

**Sponsor:** US Department of Education (USDE)

PS PROJECT: 10013837

TOTAL\_PROJECT\_AMT. IF AVAILABLE: 2,320,441

PROJECT YEARS: 3

**College of Engineering & Comp.**

**Chemical Engineering**

**Jalilvand, Golareh**

*High Capacity and Longevity Li-S Batteries*

607,550

**Sponsor:** NantG Power, LLC

PS PROJECT: 10013266

TOTAL\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 2

**Shimpalee, Sirivatch**

*Electrochemical Sensor Development for Long-Term In-Situ Monitoring of Chlorinated Organics in Groundwater at the Savannah River Site*

86,884

**Sponsor:** University of Las Vegas/BSRA LLC/DOE

PS PROJECT: 10013836

TOTAL\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

**Computer Science & Engineering**

**Mohammadizand, Ramtin**

*CAREER: Heterogeneous Neuromorphic and Edge Computing Systems for Realtime Machine Learning Technologies*

302,087

**Sponsor:** National Science Foundation (NSF)

PS PROJECT: 10013811

TOTAL\_PROJECT\_AMT. IF AVAILABLE: 593,156

PROJECT YEARS: 5

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**Electrical Engineering**

**Chandrashekhar, MVS**

*NASA SBIR Phase 1: Optimal Radiation Tolerant High Intensity High Temperature Photovoltaics*

-1

**Sponsor:** Structured Materials Industries/NASA

PS PROJECT: 10013765

TOTAL\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

**Mechanical Engineering**

**Banerjee, Sourav**

*HiCam: P1.TPC.NDE*

44,620

**Sponsor:** National Aeronautics & Space Administration (NASA)

PS PROJECT: 10013734

TOTAL\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 2

*Feasibility Study on Thickness Measurement on Wet Coating During Curing -- Fraunhofer Project -- Commerce Funding*

30,750

**Sponsor:** SC Department of Commerce

PS PROJECT: 10013822

TOTAL\_PROJECT\_AMT. IF AVAILABLE: 61,500

PROJECT YEARS: 1

**Barazanchy, Darun**

*Application to fund JEC World attendance*

5,000

**Sponsor:** SC Department of Commerce (SC DOC)

PS PROJECT: 10013806

TOTAL\_PROJECT\_AMT. IF AVAILABLE: 5,000

PROJECT YEARS: 1

**Won, Sang Hee**

*High Speed Laser Diagnostics for Multiphase Turbulent Combustion of Enabling Fuels for Naval Decarbonization*

745,957

**Sponsor:** Office of Naval Research (ONR)/DOD

PS PROJECT: 10013832

TOTAL\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

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**College of Information & Comm.**

**School of Information Sciences**

**Copeland, Clayton**

*A Resource Guide for Equitable Access to Information for Blind, Visually-Impaired, and Print Disabled Students* 5,000

**Sponsor:** American Library Association

PS PROJECT: 10013828

TOTAL\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 2

**College of Social Work**

**Families in Society, Institute**

**Billings, Deborah**

*Addressing Social Determinants of Health and Community Violence through a Hospital-Based Violence Intervention Program* 39,568

**Sponsor:** PRISMA Health-Midlands/DOJ

PS PROJECT: 10013824

TOTAL\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 3

**Social Work - Dean's Office**

**Browne, Teri**

*Health System Outreach to Eliminate Disparities in Living Kidney Transplants* 18,598

**Sponsor:** Wake Forest University/NIDDK/NIH

PS PROJECT: 10013827

TOTAL\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

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**Darla Moore School of Business**

**Moore Sch - Div. of Research**

**Savage, Jeffrey**

*EM Enterprise System Planning: University of South Carolina – Darla Moore School of Business* 30,000

**Sponsor:** Battelle Savannah River Alliance, LLC (BSRA)/DOE

PS PROJECT: 10013820

TOTAL\_PROJECT\_AMT. IF AVAILABLE: 62,500

PROJECT YEARS: 2

**Von Nessen, Joseph**

*Santee Cooper: Camp Hall Economic Impact Analysis* 88,550

**Sponsor:** Santee Cooper

PS PROJECT: 10013846

TOTAL\_PROJECT\_AMT. IF AVAILABLE: 88,550

PROJECT YEARS: 1

**Hosp., Retail, & Sport Mgmt**

**Hotel, Restaurant & Tour Mgmt**

**Pennington-Gray, Lori**

*Value and Benefit for Expanding Conservation Land Acquisition in SC: Historical, Site Specific and Aggregate benefits to the State of South Carolina* 30,000

**Sponsor:** Coastal Carolina University (CCU)/SC Office of Resilience (SCOR)

PS PROJECT: 10013835

TOTAL\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

**HRSM - Dean's Office**

**Oh, Haemoon**

*Improving Social Mobility for Effective Workforce Development in the Lodging Industry* 48,299

**Sponsor:** American Hotel and Lodging Association (AHLA) Foundation

PS PROJECT: 10013848

TOTAL\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

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**School of Law**

**Law - Dean's Office**

**Raj, Claire**

*Intergovernmental Personnel Assignment Agreement*

144,000

**Sponsor:** Ford Foundation

PS PROJECT: 10013810

TOTAL\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

**School of Medicine**

**MDC Ctr Disability Resources**

**Rotholz, David**

*2024 Assistive Technology Expo*

10,000

**Sponsor:** SC Developmental Disabilities Council (SCDDC)/HHS

PS PROJECT: 10013808

TOTAL\_PROJECT\_AMT. IF AVAILABLE:

PROJECT YEARS: 1

**Report Total:**

**\$5,061,854**