

## AWARD REPORT

January 2020

PI Name	PI College	PI Department	Co-PI(s)	Awarded Amount	Title	Sponsor Name
Ademola Hammed	AES & EXT	AES Agricultural & Biosystems Engineering	Nurun Nahar	\$ 4,996.00	Isolation and characterization of hyper-ammonia-producing bacteria for organic ammonia production from Soybean crop and byproducts	ND Soybean Council
Kasey Maddock Carlin	AES & EXT	AES Animal Sciences		\$ 70,400.00	Strengthening the Nation's Scientific and Professional Workforce in Food and Animal Agriculture	USDA-NIFA / South Dakota State University
Kendall Swanson	AES & EXT	AES Animal Sciences		\$ 63,600.00	Agricultural Products Utilization Commission Grant Program	ND Department of Agriculture
Michael Wunsch	AES & EXT	AES Carrington Research/Extension Center		\$ 35,810.00	Minor Use Pesticide Fund Grant Program	ND Department of Agriculture
Julie Pasche	AES & EXT	AES Plant Pathology		\$ 298,269.00	Development of Sustainable System-Based Management Strategies for Two Vector-Borne, Tuber Necrotic Viruses in Potato	USDA-NIFA / University of Idaho
Bingcan Chen	AES & EXT	AES Plant Sciences	Zhongyu Yang	\$ 479,628.00	Spatial Localization and Positional Assembly of Enzyme on Metal-Phenolic Framework Enabling One-Step Digestion for Dietary Fiber Analysis	National Institute of Food & Agriculture
Herman Kandel	AES & EXT	AES Plant Sciences		\$ 9,540.00	Boots on the Ground: Validation of Benchmarking Process through an Integrated On-Farm Network	North Central Soybean Research Program / University of Wisconsin Madison
Carrie Miranda	AES & EXT	AES Plant Sciences		\$ 108,919.00	Automated Almaco Planter	ND Soybean Council
Paul Schwarz	AES & EXT	AES Plant Sciences		\$ 12,400.00	2021 Montana Barley Crop Quality Survey and Report	Montana Wheat & Barley Committee
Senay Simsek	AES & EXT	AES Plant Sciences		\$ 22,500.00	2021 Hard Red Spring Wheat Regional Quality Survey	Montana Wheat & Barley Committee
Asunta Thompson	AES & EXT	AES Plant Sciences	Julie Pasche Gary Secor	\$ 57,000.00	National Processing Trials and Clonal Evaluations	Potatoes USA
Gautam Pradhan	AES & EXT	AES Williston Research/Extension Center		\$ 28,855.00	Determining optimal durum seeding date and rate for enhanced growth, yield, grain protein, and low grain cadmium under no-till dryland condition of MonDak region	Montana Wheat & Barley Committee
Megan Ditterick	AES & EXT	Ext Food & Nutrition		\$ 981,640.00	Family Nutrition Program 2020-2021	USDA-FNS / ND Department of Human Services

## AWARD REPORT

January 2020

PI Name	PI College	PI Department	Co-PI(s)	Awarded Amount	Title	Sponsor Name
Brian Sorenson	CAFSNR	Northern Crops Institute		\$ 40,000.00	General Support For Global Education & Promotion of Wheat & Barley	Montana Wheat & Barley Committee
Nancy Hodur	CAHSS	Center for Social Research		\$ 27,579.00	Economic Contribution of North Dakota State Parks in North Dakota	ND Parks & Recreation / Resource Systems Group
Supavich Pengnate	CBUS	Accounting & Information Systems		\$ 5,000.00	Dakota Digital Academy Remote Delivery Course Development Fund	Department of Treasury / ND University System Office
Limin Zhang	CBUS	Accounting & Information Systems		\$ 5,000.00	Dakota Digital Academy Remote Delivery Course Development Fund	Department of Treasury / ND University System Office
Scott Meyer	CBUS	Deans Office, Business Administration		\$ 2,000.00	Entrepreneurship course for the Dakota Digital Academy	Department of Treasury / ND University System Office
Trung Le	CENG	Civil & Environmental Engineering		\$ 5,000.00	Dakota Digital Academy proposal: Develop the new course CE739: Computational Methods for Engineering	Department of Treasury / ND University System Office
Ravi Yellavajjala	CENG	Civil & Environmental Engineering		\$ 1,500.00	Hyflex delivery of K-12 AI	Department of Treasury / ND University System Office
Ravi Yellavajjala	CENG	Civil & Environmental Engineering		\$ 5,000.00	Hyflex delivery of Machine Learning for Engineers	Department of Treasury / ND University System Office
Jun Kong	CENG	Computer Science		\$ 5,000.00	Dakota Digital Academy (DDA) funding for development of a course - CSCI 488 Human Computer Interaction	Department of Treasury / ND University System Office
Dali Sun	CENG	Electrical & Computer Engineering		\$ 158,623.00	ExoIPThT, Secondary Structure of Exosomal Protein for Noninvasive Cancer Detection	NIH / University of North Dakota
Umamaheswara Tida	CENG	Electrical & Computer Engineering		\$ 5,000.00	Course Development Activities for ECE 423 - VLSI Design	Department of Treasury / ND University System Office
Di Wu	CENG	Electrical & Computer Engineering		\$ 191,781.00	RII Track 4: Probabilistic Dynamic Control Stability Analysis in Power Grids with High Penetration of Renewable Resources	National Science Foundation
Qifeng Zhang	CENG	Electrical & Computer Engineering		\$ 5,000.00	Planning on the creation of a virtual Electrical Engineering Lab for NDSU, College of Engineering students	Department of Treasury / ND University System Office
Ali Amiri	CENG	Mechanical Engineering	Chad Ulven	\$ 13,563.00	Investigating root-cause and reduce fogging behavior of natural fiber-filled thermoplastics – Cont.	Center for Bioplastics and Biocomposites

## AWARD REPORT

January 2020

PI Name	PI College	PI Department	Co-PI(s)	Awarded Amount	Title	Sponsor Name
Kelly Buettner-Schmidt	CHP	Nursing	Brody Maack Donald Miller Megan Orr Kathleen Swanson	\$ 45,830.00	Collaborative Tobacco Prevention and Control Activities 2020-2021	ND Department of Health
Ramona Danielson	CHP	Public Health		\$ 36,996.00	NDDOH Promoting Health Equity	HRSA / ND Department of Health
Melissa Reardon	CHP	Public Health		\$ 326,944.00	Money Follows the Person Tribal Initiative- Amendment 2021-22	Centers for Medicare & Medicaid Services / ND Department of Human Services
Dean Webster	CSM	Coatings & Polymeric Materials	Mukund Sibi	\$ 16,643.00	Exploration of Bio-based Functional Building Blocks for Durable Coatings	Center for Bioplastic and Biocomposites
Debra Habedank	Misc	Center for Child Development		\$ 452.91	USDA Child and Adult Care Food Program	USDA-FNS / ND Department of Public Instruction
Stacy Duffield	Misc	Office of Teaching and Learning		\$ 3,000.00	North Dakota Common Metric Administration	ND Education Standards & Practices Board
Stacy Duffield	Misc	Office of Teaching and Learning		\$ 600.00	Teacher Preparation Common Metrics: Partnership with University of South Dakota	University of South Dakota
Stacy Duffield	Misc	Office of Teaching and Learning		\$ 600.00	Teacher Preparation Common Metrics: Partnership with Minnesota State University Moorhead	Minnesota State University, Moorhead
Raj Bridgelall	UGPTI	Upper Great Plains Transportation Institute		\$ 5,000.00	Dakota Digital Academy Faculty Award	Department of Treasury / ND University System Office
Kimberly Vachal	UGPTI	Upper Great Plains Transportation Institute		\$ 49,610.00	Seat Belt, Cell Phone and Ride Service Surveys to Enhance Traffic Safety in South Dakota	National Highway Traffic Safety Administration / SD Department of Public Safety