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Research Catalog



OCTOBER 2021

PREFACE

FY 2021 RESEARCH CATALOG

The external resources identified in the *Research Catalog* are an indication of the national competitiveness of the universities in the state of Mississippi and of the quality research and sponsored programs they conduct. These resources provide essential funds to the state's public universities which strengthen the research, teaching, and service missions of the universities.

The *Research Catalog* is mandated by the State through the University Research Center Act of 1988 (§ 37-141-17). The publication lists the funding amounts by the sources of funding and by the university disciplines receiving the funding. It is designed for use by state policy makers, the educational community, economic developers, and the general public as a resource to:

- 1. Assist in developing strong legislative funding support for research,
- 2. Improve the regional, national, and international image of Mississippi universities as research institutions,
- 3. Encourage continued and expanded external funding support for state university research and sponsored programs, and
- 4. Enhance further development of technology transfer and practical applications of research which impact the state's economy.

The *Research Catalog* includes only external awards and non-appropriated state awards for research and sponsored programs. External funds for student financial aid are not included in the totals.

For more specific information about university research programs, contact the designated research official listed for each university. For additional information about the Research Catalog, contact:

Office of Strategic Research 3825 Ridgewood Road Jackson, MS 39211 Phone: (601) 432-6445 www.mississippi.edu/research

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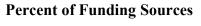
FY 2021 Research Catalog - IHL System Summary

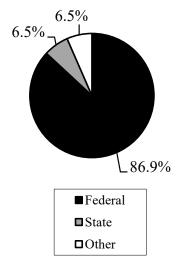
Dr. Alfred Rankins, Commissioner

Period Covered: July 1, 2020 - June 30, 2021

University	Federal*	State/ Local	Private/ Corporate/Other	Total Funding Awarded
ASU	\$51,998,293	\$118,723	\$574,205	\$52,691,221
DSU	\$14,126,980	\$655,141	\$753,750	\$15,535,871
JSU	\$89,787,159	\$2,721,051	\$3,853,861	\$96,362,070
MSU	\$278,936,874	\$41,352,309	\$13,730,155	\$334,019,338
MUW*	\$12,863,135	\$6,421,151	\$360,736	\$19,645,022
MVSU	\$27,695,522	\$905,566	\$991,211	\$29,592,299
UM/UMMC	\$207,220,299	\$1,554,445	\$33,606,188	\$242,380,932
USM	\$111,918,001	\$5,807,606	\$4,858,030	\$122,583,637
Exec. Office	\$2,069,894	\$492,504	\$1,300,000	\$3,862,398
SYSTEM	\$796,616,157	\$60,028,496	\$60,028,136	\$916,672,788

University	Total Research Projects Supported*
ASU	28
DSU	41
JSU	163
MSU	815
MUW**	17
MVSU	25
UM/UMMC	661
USM	358
Exec. Office	7
SYSTEM	2,115





*Includes federal HEERF/CARES funds disbursed from multiple agencies.

** MUW amount includes funds for the Mississippi School for Math and Science.

MISSISSIPPI INSTITUTIONS OF HIGHER LEARNING

University	FY 2017	FY 2018	FY 2019	FY 2020*	FY 2021*
ASU	\$14,700,229	\$13,024,178	\$15,596,654	\$32,310,993	\$52,691,221
DSU	\$5,255,958	\$4,993,152	\$3,761,373	\$5,589,152	\$15,535,871
JSU	\$41,399,589	\$26,242,939	\$25,837,499	\$54,370,695	\$96,362,070
MSU	\$144,187,317	\$197,478,484	\$210,700,057	\$260,095,082	\$334,019,338
MUW**	\$5,417,405	\$5,109,048	\$5,069,273	\$7,644,973	\$19,645,022
MVSU	\$7,581,186	\$7,400,959	\$8,455,354	\$15,293,881	\$29,592,299
UM/UMMC	\$123,290,112	\$134,735,332	\$133,749,642	\$153,685,366	\$242,380,932
USM	\$73,979,487	\$70,285,398	\$72,672,919	\$75,450,103	\$122,583,637
Exec. Office	\$4,931,728	\$5,091,348	\$2,626,739	\$2,142,455	\$3,862,398
SYSTEM	\$420,743,011	\$464,360,838	\$478,469,510	\$606,582,700	\$916,672,788

System History - Research and Sponsored Programs

Total External Funding Five-Year Comparison

Percent Change in Total External Funding

University	FY 2017 to FY 2018	FY 2018 to FY 2019	FY 2019 to FY 2020	FY 2020 to FY 2021
ASU	-11.4%	19.8%	107.2%	63.1%
DSU	-5.0%	-24.7%	48.6%	178.0%
JSU	-36.6%	-1.5%	110.4%	77.2%
MSU	37.0%	6.7%	23.4%	28.4%
MUW**	-5.7%	-0.8%	50.8%	157.0%
MVSU	-2.4%	14.2%	80.9%	93.5%
UM	9.3%	-0.7%	14.9%	57.7%
USM	-5.0%	3.4%	3.8%	62.5%
Exec. Office	3.2%	-48.4%	-18.4%	80.3%
SYSTEM	10.4%	3.0%	26.8%	51.1%

Percent Change in Total Projects Supported

Fiscal Year	# of Projects	% Change
FY 2017	2,407	-1.7%
FY 2018	2,470	2.6%
FY 2019	2,607	5.5%
FY 2020*	2,020	-22.5%
FY 2021*	2,115	4.7%

*Includes federal HEERF/CARES funds disbursed from multiple agencies.

** MUW amount includes funds for the Mississippi School for Math and Science.

FY 2021 Research and Sponsored Programs System Trend of Federal External Funding

				% Chan	0
Funding Source	2019 Total	2020 Total*	2021 Total*	2019-21	2020-21
Agency for Healthcare Research and Quality	\$0	\$0	\$600,000		
Appalachian Regional Commission	\$56,250	\$190,573	\$0	-100.0%	-100.0%
Bureau of Justice Assistance	\$273,213	\$0	\$0	-100.0%	
Corporation for National & Community Service	\$1,688,573	\$1,514,738	\$1,318,590	-21.9%	-12.9%
Corporation for Public Broadcasting	\$0 \$001.((7	\$0 \$0	\$274,187		
Defense Advanced Research Projects Agency	\$991,667	\$0 \$24.794	\$0 \$0	-100.0%	
Delta Health Alliance	\$0 \$0	\$24,784	\$0		-100.0%
Delta Regional Authority	\$0	\$0 \$0	\$250,000		
Engineering Research & Development Center	\$8,330,616	\$0 \$1,000,000	\$0 \$0	-100.0%	
Federal Communication Commission	\$0 \$208 7(1	\$1,000,000 \$0	\$0 \$0		-100.0%
Gulf Coast Ecosystem Restoration Council	\$298,761	• •	* -	-100.0% 48.2%	42 (0/
Health Resource and Services Administration	\$9,800,930	\$10,119,404 \$44,225	\$14,527,496		43.6% -100.0%
Hexagon Institute of Museum and Library Sciences	\$0 \$0	\$44,235 \$0	\$0 \$23,994		-100.0%
Library of Congress	\$200,000	\$200,000	\$220,000	10.0%	10.0%
Military Suicide Research Consortium	\$200,000	\$200,000	\$14,825	10.078	10.070
MS Delta National Heritage Ares	\$0 \$0	\$0 \$0	\$15,000		
National Aeronautics and Space Administration	\$3,216,447	\$3,746,195	\$9,579,306	 197.8%	 155.7%
National Endowment for the Arts	\$33,200	\$11,000	\$9,579,500	-75.6%	-26.4%
National Endowment for the Humanities	\$251,773	\$401,657	\$452,863	-75.0%	-20.470
National Geospatial Agency	\$357,500	\$357,500	\$368,614	3.1%	3.1%
National Highway Traffic Safety Administration	\$215,735	\$0 \$0	\$500,014	-100.0%	5.170
National Historical Publications and Records Commissi	\$215,755	\$16,859	\$0 \$0	-100.070	-100.0%
National Institutes of Health	\$62,480,560	\$65,486,833	\$75,445,117	20.7%	15.2%
National Marine Fisheries Service	\$284,771	\$05,400,055	\$0	-100.0%	13.270
National Oceanic and Atmospheric Administration	\$905,058	\$0 \$0	\$0 \$0	-100.0%	
National Park Service	\$362,500	\$864,926	\$832,411	129.6%	-3.8%
National Science Foundation	\$30,285,836	\$26,875,017	\$25,769,262	-14.9%	-4.1%
National Security Agency	\$426,796	\$0	\$89,988	-78.9%	
Naval Meteorology & Oceanography Command	\$109,014	\$0 \$0	\$0	-100.0%	
Nuclear Regulatory Commission	\$0	\$0 \$0	\$54,000		
Office of Naval Research	\$2,685,467	\$0	\$0	-100.0%	
Tennessee Valley Authority	\$662,920	\$70,000	\$130,000	-80.4%	85.7%
U.S. Agency for International Development	\$3,879,961	\$5,761,803	\$2,630,348	-32.2%	-54.3%
U.S. Air Force	\$140,465	\$0	\$308,000	119.3%	
U.S. Army	\$500,000	\$22,000	\$0	-100.0%	-100.0%
U.S. Army Engineer Research & Development Center	\$42,878	\$2,340,000	\$0	-100.0%	-100.0%
U.S. Department of Agriculture	\$81,094,286	\$80,862,571	\$82,297,433	1.5%	1.8%
U.S. Department of Commerce	\$39,585,704	\$50,093,767	\$33,671,025	-14.9%	-32.8%
U.S. Department of Defense	\$62,992,813	\$67,450,982	\$60,246,013	-4.4%	-10.7%
U.S. Department of Education	\$32,608,746	\$134,624,390	\$398,401,876	1121.8%	195.9%
U.S. Department of Educational and Cultural Affairs	\$0	\$34,419	\$0		-100.0%
U.S. Department of Energy	\$8,835,833	\$10,973,647	\$8,247,533	-6.7%	-24.8%
U.S. Department of Health and Human Services	\$28,443,718	\$31,143,518	\$39,909,340	40.3%	28.1%
U.S. Department of Homeland Security	\$7,618,675	\$802,396	\$6,333,655	-16.9%	689.3%
U.S. Department of Housing and Urban Development	\$292,499	\$290,189	\$0	-100.0%	-100.0%
U.S. Department of Interior	\$4,332,549	\$5,971,795	\$1,443,291	-66.7%	-75.8%
U.S. Department of Justice	\$1,993,809	\$192,634	\$1,524,991	-23.5%	691.7%
U.S. Department of Labor	\$852,799	\$6,444,086	\$5,960,713	599.0%	-7.5%
U.S. Department of the Treasury	\$22,500	\$7,595,064	\$8,947,562	39666.9%	17.8%
U.S. Department of Transportation	\$5,385,620	\$6,117,379	\$10,753,397	99.7%	75.8%
U.S. Department of Veterans Affairs	\$195,693	\$91,260	\$127,610	-34.8%	39.8%
U.S. Environmental Protection Agency	\$866,032	\$5,940,068	\$2,206,945	154.8%	-62.8%
U.S. Fish and Wildlife Service	\$0	\$0	\$126,605		
U.S. Geological Survey	\$309,644	\$687,914	\$350,042	13.0%	-49.1%
U.S. National Archives and Records Administration	\$0	\$340,424	\$100,000		-70.6%
U.S. Navy	\$305,135	\$75,000	\$0	-100.0%	-100.0%
U.S. Securities and Exchange Commission	\$0	\$0	\$272,122		
U.S. Small Business Administration	\$3,620,916	\$4,541,223	\$2,783,903	-23.1%	-38.7%

*Includes federal HEERF/CARES funds disbursed from multiple agencies.

	ASU	DSU	nsr	MSU	MUM	MVSU	MU	MSU	EO	Grand Total
U.S. Department of Education*	\$44,384,432	\$12,466,946	\$75,550,336	\$100,046,905	\$12,859,835	\$27,695,522	\$82,435,859	\$42,692,435	\$269,606	\$398,401,876
U.S. Department of Agriculture	\$7,285,674	\$240,005		\$58,607,823			\$14,954,597	\$1,209,334		\$82,297,433
National Institutes of Health*		\$137,581	\$5,947,041	\$6,318,530	\$3,300		\$63,038,665			\$75,445,117
U.S. Department of Defense			\$290,479	\$37,839,154			\$6,690,311	\$15,426,069		\$60,246,013
U.S. Department of Commerce				\$7,918,184			\$1,108,232	\$24,644,609		\$33,671,025
National Science Foundation		\$50,000	\$5,971,679	\$12,200,694			\$3,367,977	\$4,178,912		\$25,769,262
U.S. Department of Health and Human Services*				\$18,473,108			\$10,684,408	\$9,789,555	\$962,269	\$39,909,340
Health Resource and Services Association*			\$352,994				\$14,174,502			\$14,527,496
U.S. Department of Transportation				\$10,753,397			\$0			\$10,753,397
National Aeronautics and Space Administration		\$15,000		\$5,935,814	\$0		\$1,179,830	\$2,448,662		\$9,579,306
U.S. Department of the Treasury				\$192,143			\$1,714,684	\$7,040,735		\$8,947,562
U.S. Department of Energy				\$7,104,297			\$954,319	\$188,917		\$8,247,533
U.S. Department of Homeland Security			\$939,502	\$73,612			\$2,050,473	\$3,270,068		\$6,333,655
U.S. Department of Labor				\$5,891,570				\$69,143		\$5,960,713
U.S. Small Business Administration			\$112,500	\$1,214,614			\$1,298,289	\$158,500		\$2,783,903
U.S. Agency of International Development				\$2,575,246			\$55,102	\$0		\$2,630,348
U.S. Environmental Protection Agency				\$1,949,487			\$94,998	\$162,460		\$2,206,945
11 S. Department of Justice				\$158,850			\$1,288,115	\$78,026		\$1,524,991
U.S. Department of Interior				\$1,096,826			\$0	\$346,465		\$1,443,291
Corporation for National & Community Service				\$229,235			\$158,350	\$92,986	\$838,019	\$1,318,590
National Park Service		\$336,388	\$496,023							\$832,411
Agency for Healthcare Research and Quality*							\$600,000			\$600,000
National Endowment for the Humanities		\$189,446					\$261,417	\$2,000		\$452,863
National Geospatial Agency		\$368,614								\$368,614
U.S. Geological Survey				\$23,585			\$326,457			\$350,042
U.S. Air Force		\$308,000								\$308,000
Corporation for Public Broadcasting	\$274,187									\$274,187
U.S. Securities and Exchange Commission							\$272,122			\$272,122
Delta Regional Authority							\$250,000			\$250,000
Library of Congress				\$200,000			\$20,000			\$220,000
Tennessee Valley Authority				\$130,000						\$130,000
U.S. Department of Veterans Affairs							\$127,610			\$127,610
U.S. Fish and Wildlife Service			\$126,605							\$126,605
U.S. National Archives and Records Admin								\$100,000		\$100,000
National Security Agency							\$89,988			\$89,988
Nuclear Regulatory Commission	\$54,000									\$54,000
Institute of Museum and Library Sciences							\$23,994			\$23,994
MS Delta National Heritage Ares		\$15,000								\$15,000
Military Suicide Research Consortium								\$14,825		\$14,825
National Endowment for the Arts				\$3,800				\$4,300		\$8,100
Grand Total	\$51,998,293	\$14,126,980	\$89,787,159	\$278,936,874	\$12,863,135	\$27,695,522	\$207,220,299	\$111,918,001	\$2,069,894	\$796,616,157

*Includes federal HEERF/CARES funds disbursed from multiple agencies.

FY 2021 Research and Sponsored Programs System Trend of State, Private, Corporate, & Other External Funding

				2019-21	2020-21
Funding Source	2019 Total	2020 Total	2021 Total	% Change %	∕₀ Change
State Funding [other than general appropriation]	\$4,502,290	\$4,852,470	\$6,563,494	45.8%	35.3%
State of Mississippi Agencies	\$14,640,303	\$18,419,466	\$50,616,792	245.7%	174.8%
Private/Corporate Business and Industry	\$19,244,499	\$19,903,528	\$30,810,110	60.1%	54.8%
Foundations and Non-Profit Groups	\$25,104,550	\$24,776,967	\$25,796,963	2.8%	4.1%
Other In-State Universities	\$1,595,792	\$1,626,229	\$2,010,792	26.0%	23.6%
Other Out-of-State Universities	\$2,578,544	\$1,826,083	\$2,998,589	16.3%	64.2%
Local Governments	\$1,700,767	\$921,149	\$837,417	-50.8%	-9.1%
Other State Governments	\$57,572	\$395,971	\$156,977	172.7%	-60.4%
Foreign Governments & Organizations	\$1,207,330	\$408,587	\$255,497	-78.8%	-37.5%
Other [all other sources not listed above]	\$0	\$132,000	\$10,000		-92.4%
Total	\$70,631,647	\$73,262,450	\$120,056,631	70.0%	63.9%

				2019-21	2020-21
Percent of Total	2019 Total	2020 Total	2021 Total	Change	Change
State Funding [other than general appropriation]	6.4%	6.6%	5.5%	-0.9%	-1.2%
State of Mississippi Agencies	20.7%	25.1%	42.2%	21.4%	17.0%
Private/Corporate Business and Industry	27.2%	27.2%	25.7%	-1.6%	-1.5%
Foundations and Non-Profit Groups	35.5%	33.8%	21.5%	-14.1%	-12.3%
Other In-State Universities	2.3%	2.2%	1.7%	-0.6%	-0.5%
Other Out-of-State Universities	3.7%	2.5%	2.5%	-1.2%	0.0%
Local Governments	2.4%	1.3%	0.7%	-1.7%	-0.6%
Other State Governments	0.1%	0.5%	0.1%	0.0%	-0.4%
Foreign Governments & Organizations	1.7%	0.6%	0.2%	-1.5%	-0.3%
Other [all other sources not listed above]	0.0%	0.2%	0.0%	0.0%	-0.2%
Total	100.0%	100.0%	100.0%	0.0%	0.0%

Alcorn State University Annual Report on Research and Sponsored Programs July 1, 2020 - June 30, 2021

Dr. Felecia M. Nave Phone number: 601-877-6111

Dr. Keith McGee, Chief Research Officer Phone number: 601-877-6198

		Number of	
F	unding Distribution - College/Division	Projects	Amount
	Office of Community Development	6	\$38,215,400
S	chool of Agriculture, Research, Extension, and Applied Sciences	15	\$7,492,734
S	chool of Arts and Sciences	4	\$500,332
S	chool of Business	0	\$0
S	chool of Education and Psychology	0	\$0
S	chool of General College of Excellence	1	\$392,322
S	chool of Graduate Studies	0	\$0
S	chool of Nursing	1	\$5,000
Т	itle III Strengthening Institutional Programs	1	\$6,085,433
	OTAL	28	\$52,691,221
. F	unding Sources		
	EDERAL External Funding by Agency/Department		
	Juclear Regulatory Commission	1	\$54,000
	J.S. Department of Agriculture	10	\$7,285,674
	J.S. Department of Education*	6	\$44,384,432
	Corporation for Public Broadcasting	$\frac{3}{20}$	\$274,187
1	OTAL Federal Sources	20	\$51,998,293
*	Includes federal HEERF/CARES funds.		
S	TATE, PRIVATE, CORPORATE, OTHER External Funding by		
	tate Funding [other than general appropriation]	0	\$0
	tate of Mississippi Agencies	1	\$118,723
	Private/Corporate Business and Industry	0	\$0
	oundations and Non-Profit Groups	3	\$195,000
	Other In-State Universities	0	\$0
C	Other Out-of-State Universities	4	\$379,205
L	local Governments	0	\$0
C	Other State Governments	0	\$C
	oreign Governments & Organizations	0	\$0
	Other [all other sources not listed above]	0 0	\$0
	OTAL STATE, PRIVATE, CORPORATE, and OTHER Source		\$692,928
		20	¢52 (01 22)
C	FRAND TOTAL of ALL EXTERNAL FUNDING	28	\$52,691,221

Delta State University Annual Report on Research and Sponsored Programs July 1, 2020 - June 30, 2021

Mr. William N. LaForge, President Phone number: 662-846-4000

Ms. Heather K. Miller, Chief Research Officer Phone Number: 662-846-4804

		Number of	
I. 1	Funding Distribution - College/Division	Projects	Amount
	Athletics	1	\$107,500
1	Archives and Museums	1	\$8,400
]	Bologna Performing Arts Center	3	\$10,550
(Center for Community and Economic Development	4	\$532,758
	College of Arts and Sciences	9	\$625,892
(College of Business and Aviation	2	\$308,000
	College of Education and Human Sciences	3	\$344,844
	Graduate and Continuing Studies	1	\$150,000
	Office of Information Technology	1	\$100,000
	Office of the President	3	\$306,757
(Office of Academic Affairs	5	\$1,015,751
(Office of the Vice-President of Finance and Administration	2	\$72,000
(Office of Student Affairs	1	\$20,000
(Office of the Vice-President of Finance and Administration(CCRSAA/ARP)	3	\$6,932,023
	Office of Student Affairs(CCRSAA/ARP)	2	\$5,001,396
7	ΓΟΤΑL	41	\$15,535,871
			, , , , , , , , , , , , , , , , , , ,
	Funding Sources:		
	FEDERAL External Funding by Agency/Department		*1 * 000
	National Aeronautics and Space Administration	1	\$15,000
	National Endowment for the Humanities	1	\$189,446
	National Institutes of Health	3	\$137,581
	National Science Foundation	1	\$50,000
	U.S. Department of Agriculture	1	\$240,005
	U.S. Department of Education*	7	\$12,466,946
	National Park Service	1	\$336,388
	National Geospatial Agency	1	\$368,614
	U.S. Air Force	1	\$308,000
]	MS Delta National Heritage Ares	2	\$15,000
	TOTAL Federal Sources	19	\$14,126,980
,	*Includes federal HEERF/CARES funds.		
	STATE, PRIVATE, CORPORATE, OTHER External Funding by		
2	State Funding [other than general appropriation]	1	\$153,500
2	State of Mississippi Agencies	5	\$447,844
]	Private/Corporate Business and Industry	1	\$100,000
	Foundations and Non-Profit Groups	12	\$650,450
(Other In-State Universities	1	\$8,400
(Other Out-of-State Universities	1	\$3,300
]	Local Governments	1	\$45,397
(Other State Governments	0	\$0
]	Foreign Governments & Organizations	0	\$0
	Other [all other sources not listed above]	0	\$0
, ,	TOTAL STATE, PRIVATE, CORPORATE, and OTHER Sources	22	\$1,408,891
	GRAND TOTAL of ALL EXTERNAL FUNDING	41	Q15 525 071
Ľ	JIAND TOTAL OF ALL BATEKINAL FUNDING	41	\$15,535,871

Jackson State University Annual Report on Research and Sponsored Programs July 1, 2020 - June 30, 2021

Mr. Thomas K. Hudson, President Phone number: 601-979-2323

Mr. Joseph A. Whittaker, Associate Provost Phone number: 601-979-2008

	Number of	
Funding Distribution - College/Division	Projects	Amoun
Office of the President	40	\$73,239,69
College of Business	5	\$530,589
College of Education and Human Development	8	\$919,69
College of Health Sciences	9	\$1,951,693
College of Liberal Arts	13	\$1,350,650
College of Engineering, Science and Technology	68	\$14,867,969
Department of Public Safety	1	\$10,000
Division of Academic Affairs	4	\$910,65
Division of Institutional Advancement	5	\$1,463,36
Office of Research and Economic Development	8	\$1,017,752
Student Affairs	2	\$100,00
TOTAL	163	\$96,362,07
Funding Sources		
FEDERAL External Funding by Agency/Department		
Health Resource and Services Association	1	\$352,99
National Institutes of Health	7	\$5,947,04
National Park Service	1	\$496,02
National Science Foundation	20	\$5,971,67
U.S. Department of Defense	8	\$290,47
U.S. Department of Education*	48	\$75,550,33
U.S. Department of Homeland Security	2	\$939,50
U.S. Fish and Wildlife Service	1	\$126,60
U.S. Small Business Administration	1	\$112,50
TOTAL Federal Sources	89	\$89,787,15
*Includes federal HEERF/CARES funds.		
STATE, PRIVATE, CORPORATE, OTHER External Funding by		
State Funding [other than general appropriation]	0	\$
State of Mississippi Agencies	16	\$1,697,56
Private/Corporate Business and Industry	4	\$306,98
Foundations and Non-Profit Groups	13	\$1,318,80
Other In-State Universities	9	\$1,023,48
Other Out-of-State Universities	32	\$2,228,08
Local Governments	0	\$
Foreign Governments & Organizations	0	\$
Other [all other sources not listed above] TOTAL STATE, PRIVATE, CORPORATE, and OTHER Sources	0	\$
101AL STATE, FRIVATE, CORFORATE, and OTHER Sources	74	\$6,574,91
GRAND TOTAL of <u>ALL</u> EXTERNAL FUNDING	163	\$96,362,07

Mississippi State University Annual Report on Research and Sponsored Programs July 1, 2020 - June 30, 2021

Dr. Mark E. Keenum, President Phone number: 662-325-3221

Dr. Julie Jordan, Vice President for Research and Economic Development Phone number: 662-325-3570

		Number of	
I.	Funding Distribution - College/Division	Projects	Amount
1.	Bagley College of Engineering	94	\$42,403,351
	College of Architecture, Art, and Design	12	\$385,666
	College of Arts and Sciences	69	\$9,409,071
	College of Business	6	\$1,619,314
	College of Education	36	\$5,488,246
	College of Forest Resources/Forest Wildlife Research Center	88	\$11,612,935
	College of Veterinary Medicine	32	\$3,535,063
	Division of Student Affairs	13	\$1,897,023
	Mitchell Memorial Library	2	\$33,232
	MS Agricultural and Forestry Experiment Station (MAFES)/CALS	223	\$25,869,497
	MS State University Extension Service (MSU ES)	123	\$40,905,356
	University Branch Campus (Meridian)	3	\$664,347
	University Centers and Institutes	106	\$90,699,051
	Vice President for Campus Services	2	\$4,187,256
	Vice President for Finance and Administration (CARES Funding)	3	\$87,788,054
	Vice President for Research and Economic Development	3	\$7,521,876
	TOTAL	815	\$334,019,338
II.	Funding Sources		
II.	FEDERAL External Funding by Agency/Department	2	.
II.	FEDERAL External Funding by Agency/Department Corporation for National & Community Service	3	\$229,235
II.	FEDERAL External Funding by Agency/Department Corporation for National & Community Service Library of Congress	1	\$200,000
II.	FEDERAL External Funding by Agency/Department Corporation for National & Community Service Library of Congress National Aeronautics and Space Administration	1 17	\$200,000 \$5,935,814
II.	FEDERAL External Funding by Agency/Department Corporation for National & Community Service Library of Congress National Aeronautics and Space Administration National Endowment for the Arts	1 17 1	\$200,000 \$5,935,814 \$3,800
II.	FEDERAL External Funding by Agency/Department Corporation for National & Community Service Library of Congress National Aeronautics and Space Administration National Endowment for the Arts National Institutes of Health	1 17 1 22	\$200,000 \$5,935,814 \$3,800 \$6,318,530
П.	FEDERAL External Funding by Agency/Department Corporation for National & Community Service Library of Congress National Aeronautics and Space Administration National Endowment for the Arts National Institutes of Health National Science Foundation	1 17 1 22 43	\$200,000 \$5,935,814 \$3,800 \$6,318,530 \$12,200,694
П.	FEDERAL External Funding by Agency/Department Corporation for National & Community Service Library of Congress National Aeronautics and Space Administration National Endowment for the Arts National Institutes of Health National Science Foundation Tennessee Valley Authority	1 17 1 22 43 1	\$200,000 \$5,935,814 \$3,800 \$6,318,530 \$12,200,694 \$130,000
Π.	FEDERAL External Funding by Agency/Department Corporation for National & Community Service Library of Congress National Aeronautics and Space Administration National Endowment for the Arts National Institutes of Health National Science Foundation Tennessee Valley Authority U.S. Agency of International Development	1 17 1 22 43 1 4	\$200,000 \$5,935,814 \$3,800 \$6,318,530 \$12,200,694 \$130,000 \$2,575,246
II.	FEDERAL External Funding by Agency/Department Corporation for National & Community Service Library of Congress National Aeronautics and Space Administration National Endowment for the Arts National Institutes of Health National Science Foundation Tennessee Valley Authority U.S. Agency of International Development U.S. Department of Agriculture	$ \begin{array}{c} 1 \\ 17 \\ 1 \\ 22 \\ 43 \\ 1 \\ 4 \\ 188 \\ \end{array} $	\$200,000 \$5,935,814 \$3,800 \$6,318,530 \$12,200,694 \$130,000 \$2,575,246 \$58,607,823
Π.	FEDERAL External Funding by Agency/Department Corporation for National & Community Service Library of Congress National Aeronautics and Space Administration National Endowment for the Arts National Institutes of Health National Science Foundation Tennessee Valley Authority U.S. Agency of International Development U.S. Department of Agriculture U.S. Department of Commerce	1 17 1 22 43 1 4 188 27	\$200,000 \$5,935,814 \$3,800 \$6,318,530 \$12,200,694 \$130,000 \$2,575,246 \$58,607,823 \$7,918,184
Π.	FEDERAL External Funding by Agency/Department Corporation for National & Community Service Library of Congress National Aeronautics and Space Administration National Endowment for the Arts National Institutes of Health National Science Foundation Tennessee Valley Authority U.S. Agency of International Development U.S. Department of Agriculture U.S. Department of Commerce U.S. Department of Defense	1 17 1 22 43 1 4 188 27 40	\$200,000 \$5,935,814 \$3,800 \$6,318,530 \$12,200,694 \$130,000 \$2,575,246 \$58,607,823 \$7,918,184 \$37,839,154
Π.	FEDERAL External Funding by Agency/Department Corporation for National & Community Service Library of Congress National Aeronautics and Space Administration National Endowment for the Arts National Institutes of Health National Science Foundation Tennessee Valley Authority U.S. Agency of International Development U.S. Department of Agriculture U.S. Department of Commerce U.S. Department of Defense U.S. Department of Education*	$ \begin{array}{c} 1\\ 17\\ 1\\ 22\\ 43\\ 1\\ 4\\ 188\\ 27\\ 40\\ 44\\ \end{array} $	\$200,000 \$5,935,814 \$3,800 \$6,318,530 \$12,200,694 \$130,000 \$2,575,246 \$58,607,823 \$7,918,184 \$37,839,154 \$100,046,905
П.	FEDERAL External Funding by Agency/Department Corporation for National & Community Service Library of Congress National Aeronautics and Space Administration National Endowment for the Arts National Institutes of Health National Science Foundation Tennessee Valley Authority U.S. Agency of International Development U.S. Department of Agriculture U.S. Department of Commerce U.S. Department of Defense U.S. Department of Education* U.S. Department of Energy	$ \begin{array}{c} 1\\ 17\\ 1\\ 22\\ 43\\ 1\\ 4\\ 188\\ 27\\ 40\\ 44\\ 24\\ \end{array} $	\$200,000 \$5,935,814 \$3,800 \$6,318,530 \$12,200,694 \$130,000 \$2,575,246 \$58,607,823 \$7,918,184 \$37,839,154 \$100,046,905 \$7,104,297
П.	FEDERAL External Funding by Agency/Department Corporation for National & Community Service Library of Congress National Aeronautics and Space Administration National Endowment for the Arts National Institutes of Health National Science Foundation Tennessee Valley Authority U.S. Agency of International Development U.S. Department of Agriculture U.S. Department of Commerce U.S. Department of Defense U.S. Department of Education*	$ \begin{array}{c} 1\\ 17\\ 1\\ 22\\ 43\\ 1\\ 4\\ 188\\ 27\\ 40\\ 44\\ \end{array} $	\$200,000 \$5,935,814 \$3,800 \$6,318,530 \$12,200,694 \$130,000 \$2,575,246 \$58,607,823 \$7,918,184 \$37,839,154 \$100,046,905

Mississippi State University Annual Report on Research and Sponsored Programs July 1, 2020 - June 30, 2021

II. Funding Sources (Continued)	Number	
FEDERAL External Funding by Agency/Department	of Projects	Amount
U.S. Department of Interior	20	\$1,096,826
U.S. Department of Justice	3	\$158,850
U.S. Department of Labor	4	\$5,891,570
U.S. Department of State Bureau of Educational and C	Cultural Affairs 0	\$0
U.S. Department of Transportation	10	\$10,753,397
U.S. Department of the Treasury	3	\$192,143
U.S. Environmental Protection Agency	8	\$1,949,487
U.S. Geological Survey	1	\$23,585
U.S. Small Business Administration	3	\$1,214,614
TOTAL Federal Sources	494	\$278,936,874
*Includes federal HEERF/CARES funds.		
STATE, PRIVATE, CORPORATE, OTHER External	Funding by	
State Funding [other than general appropriation]	0	\$0
State of Mississippi Agencies	37	\$40,512,443
Private/Corporate Business and Industry	96	\$7,461,355

i i		
Foundations and Non-Profit Groups	161	\$5,825,827
Other In-State Universities	2	\$504,000
Other Out-of-State Universities	7	\$126,841
Local Governments	8	\$335,866
Other State Governments	5	\$156,977
Foreign Governments & Organizations	5	\$159,155
Other [all other sources not listed above]	0	\$0
TOTAL STATE, PRIVATE, CORPORATE, and OTHER	321	\$55,082,464
GRAND TOTAL of <u>ALL</u> EXTERNAL FUNDING	815	\$334,019,338

Mississippi University for Women Annual Report on Research and Sponsored Programs July 1, 2020 - June 30, 2021

Ms. Nora Miller, President Phone number 662-329-7100

Dr. C. Scott Tollison, Provost & Vice President for Academic Affairs Phone number: 662-329-7142

Funding Distribution - College/Division	Number of	Amount
Academic Support*	Projects 12	\$19,358,471
Center for Outreach and Innovation	3	\$19,338,471 \$280,251
College of Arts, Sciences, & Education	2	\$280,231 \$6,300
TOTAL	17	\$0,500 \$19,645,022
IUTAL	1/	\$19,043,022
*Includes total for Mississippi School for Math and Science		
Funding Sources		
FEDERAL External Funding by Agency/Department		
National Aeronautics and Space Administration	0	\$0
National Institutes of Health	1	\$3,300
U.S. Department of Education*	10	\$12,859,835
TOTAL Federal Sources	11	\$12,863,135
*Includes federal HEERF/CARES funds.		
STATE, PRIVATE, CORPORATE, OTHER External Funding by		
State Funding [other than general appropriation]	3	\$6,409,994
State of Mississippi Agencies	1	\$11,157
Private/Corporate Business and Industry	0	\$0
Foundations and Non-Profit Groups	2	\$360,736
Other In-State Universities	0	\$0
Other Out-of-State Universities	0	\$0
Local Governments	0	\$0
Other State Governments	0	\$0
Foreign Governments & Organizations	0	\$0
Other [all other sources not listed above]	0	\$0
TOTAL STATE, PRIVATE, CORPORATE, and OTHER Sources	6	\$6,781,887
GRAND TOTAL of <u>ALL</u> EXTERNAL FUNDING	17	\$19,645,022

Mississippi Valley State University Annual Report on Research and Sponsored Programs July 1, 2020 - June 30, 2021

Dr. Jerryl Briggs, President Phone Number: 662-254-3425

Mr. Samuel Melton, Jr., Chief Research Officer Phone Number: 662-254-3882

1	Number of	
Funding Distribution - College/Division	Projects	Amount
Athletics Administration	1	\$17,500
Department of Distance Education	0	\$0
Department of Mathematics, Computer and Information Sciences	2	\$113,621
Department of Mass Communication	1	\$24,500
Department of Natural Sciences and Environmental Health	3	\$589,943
Department of Social Sciences	1	\$10,000
Division of Academic Attairs	5	\$829,211
Office of the President	6	\$22,518,107
Title III Strengthening Institutions Programs	2	\$4,092,140
University College	4	\$1,397,277
TOTAL	25	\$29,592,299
Funding Sources		
FEDERAL External Funding by Agency/Department		
National Science Foundation	0	\$0
U.S. Department of Education*	9	\$27,695,522
TOTAL Federal Sources	9	\$27,695,522
*Includes federal HEERF/CARES funds.		
STATE, PRIVATE, CORPORATE, OTHER External Funding by		
State Funding [other than general appropriation]	0	\$0
State of Mississippi Agencies	1	\$711,077
Private/Corporate Business and Industry	1	\$10,000
Foundations and Non-Profit Groups	8	\$971,211
Other In-State Universities	5	\$194,489
Other Out-of-State Universities	0	\$0
Local Governments	0	\$0
Other State Governments	0	\$0
Foreign Governments & Organizations	0	\$0
Other [all other sources not listed above]	1	\$10,000
TOTAL STATE, PRIVATE, CORPORATE, and OTHER Sources	16	\$1,896,777
GRAND TOTAL of <u>ALL</u> EXTERNAL FUNDING	25	\$29,592,299

University of Mississippi Annual Report on Research and Sponsored Programs July 1, 2020 - June 30, 2021

Dr. Glenn Boyce, Chancellor Phone number: 662-915-7428

Dr. Joseph R. Gladden, Vice Chancellor for Research Phone number: 662-915-7583

Dr. LouAnn H. Woodward, Vice Chancellor for Health Affairs Phone number:601-984-1058

Dr. Richard Summers, Associate Vice Chancellor for Research Phone number: 601-858-5000

		Number of	
I.	Funding Distribution - College/Division	Projects	Amount
А.	Oxford Campus		
	College of Liberal Arts	64	\$8,818,244
	Division of Outreach and Continuing Education	2	\$2,528
	Graduate School	2	\$349,961
	Office of the Provost	5	\$523,574
	Office of the Vice Chancellor for Administration and Finance	5	\$63,620,388
	Office of the Vice Chancellor for Diversity and Community Engagen	1	\$5,000
	Office of the Vice Chancellor for Intercollegiate Athletics	1	\$11,541
	Office of the Vice Chancellor for Research and Sponsored Programs	53	\$4,988,747
	School of Accountancy	1	\$272,122
	School of Applied Sciences	8	\$6,668,914
	School of Business Administration	5	\$1,701,573
	School of Education	17	\$9,400,784
	School of Engineering	31	\$5,273,823
	School of Journalism and New Media	1	\$170,000
	School of Law	14	\$1,084,241
	School of Pharmacy	58	\$15,916,473
	University Libraries	1	\$28,198
	Total Oxford	269	\$118,836,111
В.	Medical Center		
	Academic Affairs	1	\$4,000
	Dentistry	20	\$3,113,487
	Health Related Professions*	1	\$60,000
	Hospital	0	\$0
	Medicine*	317	\$99,932,433
	Nursing	7	\$4,853,040
	Population Health*	40	\$10,727,288
	Research and Sponosred Programs	2	\$1,050,000
	Simulation Center*	1	\$410,000
	UP-Telehealth Services	3	\$3,394,574
	Total Medical Center	392	\$123,544,822
	TOTAL (UM + UMMC)	661	\$242,380,933

University of Mississippi Annual Report on Research and Sponsored Programs July 1, 2020 - June 30, 2021

II. Funding Sources FEDERAL External Funding by Agency/Department Corporation for National & Community Service 2 \$158,350 Health Resource and Services Association* 32 \$14,174,502 Institute of Museum and Library Sciences \$23,994 1 1 \$20,000 Library of Congress National Aeronautics and Space Administration 9 \$1,179,830 National Endowment for the Humanities 3 \$261,417 National Institutes of Health* 209 \$63,038,665 National Science Foundation 25 \$3,367,977 National Security Agency 1 \$89,988 U.S. Agency of International Development 1 \$55,102 20 U.S. Department of Agriculture \$14,954,597 U.S. Department of Commerce 15 \$1,108,232 U.S. Department of Defense 31 \$6,690,311 U.S. Department of Education* 22 \$82,435,859 U.S. Department of Energy 9 \$954,319 U.S. Department of Health and Human Services* 36 \$10,684,408 U.S. Department of Homeland Security 3 \$2,050,473 U.S. Department of Interior 0 \$0 U.S. Department of Justice 3 \$1,288,115 U.S. Department of the Treasury 2 \$1,714,684 U.S. Department of Transportation 0 \$0 U.S. Department of Veterans Affairs 1 \$127,610 U.S. Environmental Protection Agency 2 \$94,998 4 U.S. Geological Survey \$326,457 1 U.S. Securities and Exchange Commission \$272,122 2 U.S. Small Business Administration \$1,298,289 \$600,000 Agency for Healthcare Research and Quality* 1 Delta Regional Authority 1 \$250,000 **TOTAL Federal Sources** 437 \$207,220,299

*Includes federal HEERF/CARES funds disbursed from multiple agencies.

STATE, PRIVATE, CORPORATE, OTHER External Funding by		
State Funding [other than general appropriation]	0	\$0
State of Mississippi Agencies	13	\$1,266,027
Private/Corporate Business and Industry	87	\$18,030,855
Foundations and Non-Profit Groups	110	\$15,274,314
Other In-State Universities	4	\$280,418
Other Out-of-State Universities	6	\$204,677
Local Governments	1	\$8,000
Other State Governments	0	\$0
Foreign Governments & Organizations	3	\$96,342
Other [all other sources not listed above]	0	\$0
TOTAL STATE, PRIVATE, CORPORATE, and OTHER Source	224	\$35,160,633
GRAND TOTAL of <u>ALL</u> EXTERNAL FUNDING	661	\$242,380,932

University of Southern Mississippi Annual Report on Research and Sponsored Programs July 1, 2020 - June 30, 2021

Dr. Rodney D. Bennet, President Phone number: 601-266-5001

Dr. Gordon Cannon, Vice President for Research Phone number: 601-266-5116

		Number of	
I. Funding Distribution - Col	lege/Division	Projects	Amount
College of Arts and Scienc	es	147	\$29,796,472
College of Business and Ed	conomic Development	2	\$71,525
College of Education and H	Iuman Sciences	55	\$5,733,399
College of Nursing and He	alth Professions	24	\$4,514,554
Office of Student Affairs		2	\$351,908
Office of the Provost		5	\$1,045,878
Office of the Vice Presider	t for Finance and Administration	5	\$38,102,012
Office of the Vice Presider	t for Research	118	\$42,967,889
Total		358	\$122,583,637

University of Southern Mississippi Annual Report on Research and Sponsored Programs July 1, 2020 - June 30, 2021

II. Funding Sources

	Number of	
Federal Funding Source*	Projects	Amount
Corporation for National & Community Service	2	\$92,986
Military Suicide Research Consortium	1	\$14,825
National Aeronautics and Space Administration	35	\$2,448,662
National Endowment for the Arts	1	\$4,300
National Endowment for the Humanities	1	\$2,000
National Science Foundation	29	\$4,178,912
U.S. Agency of International Development	0	\$0
U.S. Department of Agriculture	5	\$1,209,334
U.S. Department of Commerce	55	\$24,644,609
U.S. Department of Defense	43	\$15,426,069
U.S. Department of Education*	28	\$42,692,435
U.S. Department of Energy	2	\$188,917
U.S. Department of Health and Human Services	36	\$9,789,555
U.S. Department of Homeland Security	4	\$3,270,068
U.S. Department of Housing and Urban Development	0	\$0
U.S. Department of Interior	8	\$346,465
U.S. Department of Justice	1	\$78,026
U.S. Department of Labor	2	\$69,143
U.S. Environmental Protection Agency	2	\$162,460
U.S. National Archives and Records Admin	1	\$100,000
U.S. Small Business Administration	2	\$158,500
U.S. Department of the Treasury	4	\$7,040,735
TOTAL Federal Sources	262	\$111,918,001

*Includes federal HEERF/CARES funds disbursed from multiple agencies.

University of Southern Mississippi Annual Report on Research and Sponsored Programs July 1, 2020 - June 30, 2021

STATE, PRIVATE, CORPORATE, OTHER External Funding by		
State Funding [other than general appropriation]	0	\$0
State of Mississippi Agencies	40	\$5,701,956
Private/Corporate Business and Industry	23	\$3,600,920
Foundations and Non-Profit Groups	25	\$1,200,625
Other In-State Universities	0	\$0
Other Out-of-State Universities	4	\$56,485
Local Governments	4	\$105,650
Other State Governments	0	\$0
Foreign Governments & Organizations	0	\$0
Other [all other sources not listed above]	0	\$0
TOTAL STATE, PRIVATE, CORPORATE, and OTHER Source	96	\$10,665,636
GRAND TOTAL of <u>ALL</u> EXTERNAL FUNDING	358	\$122,583,637

IHL Executive Office Annual Report on Research and Sponsored Programs July 1, 2020 - June 30, 2021

Dr. Alfred Rankins, Jr., Commissioner Phone number: 601-432-6623

Ms. Kim Gallaspy, Assistant Commissioner for Government Relations Phone number: 601-432-6493

	Number of	
Funding Distribution - College/Division	Projects	Amount
Academic and Student Affairs	6	\$3,832,792
Government Relations and Strategic Initiatives	1	\$29,606
TOTAL	7	\$3,862,398
Funding Sources		
FEDERAL External Funding by Agency/Department		
Corporation for National & Community Service	1	\$838,019
U.S. Department of Education*	2	\$269,606
U.S. Department of Health and Human Services	1	\$962,269
TOTAL Federal Sources	4	\$2,069,894
STATE, PRIVATE, CORPORATE, OTHER External Funding by		
State Funding [other than general appropriation]	0	\$0
State of Mississippi Agencies	1	\$150,000
Private/Corporate Business and Industry	1	\$1,300,000
Foundations and Non-Profit Groups	0	\$0
Other In-State Universities	0	\$0
Other Out-of-State Universities	0	\$0
Local Governments	1	\$342,504
Other State Governments	0	\$0
Foreign Governments & Organizations	0	\$0
Other [all other sources not listed above]	0	\$0
TOTAL STATE, PRIVATE, CORPORATE, and OTHER Sources	3	\$1,792,504
GRAND TOTAL of ALL EXTERNAL FUNDING	7	\$3,862,398
ORAND TOTAL OF ALL EXTERNAL FUNDING	1	\$3,862,39

University Research Groups

Mississippi University Research Authority (MURA)

The primary role of the Mississippi University Research Authority (MURA), which was authorized in 1992 through the Mississippi University Research Authority Act, is to promote the public welfare and prosperity of the people of Mississippi and to foster economic development within the state by forging links among the state's educational institutions, businesses and industrial communities, and state government through the development of cooperative ventures of innovative technological significance which will advance education, research, or economic development within the state. These ventures facilitate the commercialization of technologies developed or discovered in campus environments and enhance the economic development of the state through such commercialization. Before the MURA Act was passed, the ethics laws of Mississippi effectively prohibited university faculty from commercializing their research. These laws were established to prohibit public servants from engaging in activities which would be in conflict with their public positions. Although the ethics laws were directed toward public officials, the language in the laws is such that attempts to commercialize technology by faculty members of a university could be construed as a violation of the laws.

MURA membership is composed of the University Research Vice-Presidents from the three comprehensive public universities and from the urban public university, a representative from the Mississippi Development Authority, the president of the Mississippi Resource Development Corporation, the president of the Mississippi Education Research Group (MERG), and the Vice President of the Board of Trustees of State Institutions of Higher Learning. The Commissioner of Higher Education serves as an ex officio member. The Executive Director is selected by the MURA membership.

MURA was established in such a way that there is an extensive review process for any proposal for technology transfer or commercialization. The process is initiated with the Chief Research Officer of the affected university. The proposal is then recommended to the Institutional Executive Officer, who must certify that there is no conflict with the university and that the participation of the faculty member in the commercialization of the technology will not bring harm to the university or to the economic development of the state. The Institutional Executive Officer then recommends that the proposal be reviewed by the MURA Board, which objectively assesses the nature of the proposed commercialization. This process of full disclosure and evaluation first by the university and then by the MURA Board serves to assure that each proposal is of economic interest to the state and is not in conflict with the interests or commitments of the state, the university, or the faculty member(s).

MURA enables faculty members who conceive of new technologies to copyright and/or patent their discoveries, to participate in the development of the technologies, and to realize some commercial benefit. It allows individuals who have developed or discovered new technologies through campus-based research to be a part of new, spin-off businesses in Mississippi, rather than being forced to channel their discoveries through agencies and businesses outside Mississippi, thus allowing the state to realize the economic benefits of the commercialization. The impact from research at the universities, particularly when commercialization occurs, can be far reaching and long-term. The MURA process for facilitating technology transfer and commercialization holds tremendous future possibilities for the state of Mississippi.

Mississippi Research Consortium (MRC)

The Mississippi Research Consortium aims to develop and sustain nationally competitive research programs in the state of Mississippi. Alongside supporting basic and applied research, the consortium has several additional goals: first, to increase public awareness of science, engineering, and mathematics at all educational levels in order to develop a scientifically literate citizenry who can fuel the science and engineering industry in Mississippi with the state's own human resources; second, to establish and maintain a solid scientific infrastructure in our university system by developing equipment and facility resources, collaboration resources, private sector links, and federal laboratory partnerships; and third, to expand the state's economic opportunities through technology and knowledge transfer activities, including greater commercialization, increased technical assistance, and the education of a workforce that can support technology-based industries.

Formed in 1986, the Mississippi Research Consortium (MRC) includes Mississippi's four research universities: Jackson State University, Mississippi State University, the University of Mississippi, and the University of Southern Mississippi. The MRC's Board of Directors is made up of the Chief Research Officers from these institutions. The board serves as the Science and Technology Research Advisors to both the Governor and the Legislature and holds the responsibility of integrating science and technology initiatives with economic development plans in Mississippi. The creation of the Mississippi Universities Research Authority (MURA) Act of 1992 was the product of the Mississippi Research Consortium Technology Transfer Task Force's collaboration with the Board of Trustees of State Institutions of Higher Learning.

Mississippi Education and Research Group (MERG)

The Mississippi Education and Research Group (MERG) was established in 1990 with representation from each of the eight public universities in the state. The primary goals of MERG are to promote collaboration, resource sharing, and communication concerning education and research matters that have an impact on all of the public universities. The result of these efforts is that opportunities which would have been outside the budgetary capabilities of an individual university are made available to the universities through MERG.

The conception of and the need for the establishment of MERG originated in the Mississippi Research Consortium (MRC), comprised of the Chief Research Officers of the four research universities (Jackson State University, Mississippi State University, the University of Mississippi, and the University of Southern Mississippi). The MRC had successfully promoted collaborative research and collaborative funding among themselves. However, MRC realized that Mississippi would best be served if a separate organization was created for the coordination of statewide projects. Additionally, this new organization provided a vehicle for sharing the research and education expertise of the research universities with the four other universities (Alcorn State University, Delta State University, Mississippi University for Women, and Mississippi Valley State University).

MERG was initially involved with two projects, the Mississippi Alliance for Minority Participation (MAMP) and the Rural Science Initiative (RSI). However, many new and important outcomes have evolved from the activities of MERG. The accomplishments and initiatives of MERG may best be reviewed in three broad categories: (1) Educational Efforts, (2) Research Efforts, and (3) Administrative and Legal Consulting.

<u>Educational Efforts</u>: MERG served as the coordinating agent for the development of the Mississippi Alliance for Minority Participation, a major grant from the National Science Foundation which provides financial and academic support to under-represented minorities wishing to pursue careers in science, engineering, and mathematics. MERG members worked from a nuclear concept, developing plans for each of the universities and continuing as the primary coordinating group in the oversight of changes and new directions throughout the program's implementation. MERG has also served in the coordinating role for the successful Rural Science Initiative Grant, which supports public school education in Mississippi, Louisiana, and Arkansas, and has developed a proposal for science-humanities initiatives in undergraduate teaching.

<u>Research Efforts</u>: The MRC developed and received major research funding under the Experiential Program to Stimulate Competitive Research (EPSCoR) programs, designed to advance the research capabilities of universities in selected states. Numerous collaborative research projects have resulted among the research universities. MERG has served as a means of disseminating related research opportunities to the regional universities and of sharing both human resources and research facilities among all eight public universities. MERG has also made contacts with the National Science Foundation about developing proposals to support the use of the Internet as a research resource and for research discussion groups.

<u>Administrative and Legal Consulting</u>: Through MERG, the research universities, which have major grants and development offices, have been able to provide assistance to the regional universities concerning grant proposals, rapidly changing federal regulations, and sources of funding.