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RESEARCH CATALOG



NOVEMBER 2024

PREFACE

FY 2024 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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MISSISSIPPI INSTITUTIONS OF HIGHER LEARNING

FY 2024 Research Catalog - IHL System Summary

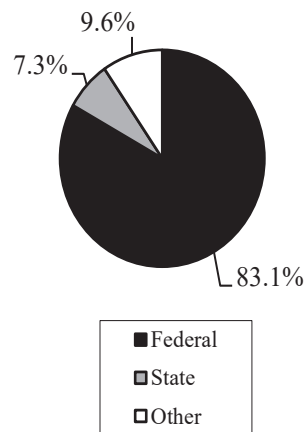
Dr. Alfred Rankins, Commissioner

Period Covered: July 1, 2023 - June 30, 2024

| University | Federal | State/Local | Private/ Corporate/Other | Total Funding Awarded |
|---------------|----------------------|---------------------|-----------------------------|--------------------------|
| ASU | \$17,526,412 | \$2,456,816 | \$3,830,489 | \$23,813,717 |
| DSU | \$6,848,946 | \$411,620 | \$1,742,288 | \$9,002,854 |
| JSU | \$48,134,059 | \$5,386,524 | \$9,500,949 | \$63,021,532 |
| MSU | \$230,951,357 | \$16,580,267 | \$15,052,427 | \$262,584,051 |
| MUW** | \$91,500 | \$5,685,360 | \$0 | \$5,776,860 |
| MVSU | \$7,572,501 | \$920,994 | \$1,055,451 | \$9,548,946 |
| UM/UMMC | \$188,126,515 | \$10,243,234 | \$33,065,599 | \$231,435,348 |
| USM | \$106,379,697 | \$12,360,230 | \$6,509,925 | \$125,249,852 |
| Exec. Office | \$9,590,505 | \$150,000 | \$0 | \$9,740,505 |
| SYSTEM | \$615,221,492 | \$54,195,045 | \$70,757,128 | \$740,173,665 |

| University | Total Research Projects Supported* |
|---------------|---------------------------------------|
| ASU | 47 |
| DSU | 51 |
| JSU | 157 |
| MSU | 933 |
| MUW** | 10 |
| MVSU | 22 |
| UM/UMMC | 720 |
| USM | 331 |
| Exec. Office | 4 |
| SYSTEM | 2,275 |

Percent of Funding Sources



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

MISSISSIPPI INSTITUTIONS OF HIGHER LEARNING

System History - Research and Sponsored Programs

Total External Funding Five-Year Comparison

| University | FY2020* | FY 2021* | FY 2022* | FY 2023* | FY 2024 |
|---------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| ASU | \$32,310,993 | \$52,691,221 | \$24,645,491 | \$18,953,434 | \$23,813,717 |
| DSU | \$5,589,152 | \$15,535,871 | \$6,133,936 | \$10,880,971 | \$9,002,854 |
| JSU | \$54,370,695 | \$96,362,070 | \$101,684,095 | \$46,321,881 | \$63,021,532 |
| MSU | \$260,095,082 | \$334,019,338 | \$250,906,830 | \$278,377,539 | \$262,584,051 |
| MUW** | \$7,644,973 | \$19,645,022 | \$5,772,812 | \$5,710,470 | \$5,776,860 |
| MVSU | \$15,293,881 | \$29,592,299 | \$22,962,893 | \$8,790,543 | \$9,548,946 |
| UM/UMMC | \$153,685,366 | \$242,380,932 | \$171,162,656 | \$177,549,053 | \$231,435,348 |
| USM | \$75,450,103 | \$122,583,637 | \$91,459,490 | \$86,203,199 | \$125,249,852 |
| Exec. Office | \$2,142,455 | \$3,862,398 | \$8,152,074 | \$3,901,646 | \$9,740,505 |
| SYSTEM | \$606,582,700 | \$916,672,788 | \$682,880,277 | \$636,688,736 | \$740,173,665 |

Percent Change in Total External Funding

| University | FY 2020 to FY 2021 | FY 2021 to FY 2022 | FY 2022 to FY 2023 | FY 2023 to FY 2024 |
|---------------|-----------------------|-----------------------|-----------------------|-----------------------|
| ASU | 63.1% | -53.2% | -23.1% | 25.6% |
| DSU | 178.0% | -60.5% | 77.4% | -17.3% |
| JSU | 77.2% | 5.5% | -54.4% | 36.1% |
| MSU | 28.4% | -24.9% | 10.9% | -5.7% |
| MUW** | 157.0% | -70.6% | -1.1% | 1.2% |
| MVSU | 93.5% | -22.4% | -61.7% | 8.6% |
| UM | 57.7% | -29.4% | 3.7% | 30.4% |
| USM | 62.5% | -25.4% | -5.7% | 45.3% |
| Exec. Office | 80.3% | 111.1% | -52.1% | 149.7% |
| SYSTEM | 51.1% | -25.5% | -6.8% | 16.3% |

Percent Change in Total Projects Supported

| Fiscal Year | # of Projects | % Change |
|-------------|---------------|----------|
| FY 2020* | 2,020 | -22.5% |
| FY 2021* | 2,115 | 4.7% |
| FY 2022* | 2,243 | 6.1% |
| FY 2023* | 2,127 | -5.2% |
| FY 2024 | 2,275 | 7.0% |

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

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

**FY 2024 Research and Sponsored Programs
System Trend of Federal External Funding**

| Funding Source | 2022 Total* | 2023 Total* | 2024 Total | % Change | |
|---|----------------------|----------------------|----------------------|-------------|--------------|
| | | | | 2022-24 | 2023-24 |
| Agency for Healthcare Research and Quality | \$3,000 | \$0 | \$0 | -100.0% | -- |
| Appalachian Regional Commission | \$1,971,728 | \$1,045,000 | \$15,000 | -99.2% | -98.6% |
| Centers for Disease Control and Prevention | \$0 | \$0 | \$55,265 | -- | -- |
| Central Intelligence Agency | \$215,000 | \$0 | \$120,000 | -44.2% | -- |
| Corporation for National & Community Service | \$1,339,997 | \$1,067,810 | \$2,427,351 | 81.1% | 127.3% |
| Corporation for Public Broadcasting | \$338,434 | \$195,625 | \$0 | -100.0% | -100.0% |
| ESSER | \$0 | \$951,463 | \$951,463 | -- | 0.0% |
| Federal Aviation Association | \$121,763 | \$442,290 | \$0 | -100.0% | -100.0% |
| Federal Emergency Management Agency | \$0 | \$17,454 | \$0 | -- | -100.0% |
| Federal Railroad Administration | \$0 | \$0 | \$172,777 | -- | -- |
| Health Resource and Services Administration | \$23,053,011 | \$14,042,649 | \$20,976,918 | -9.0% | 49.4% |
| HEERF/CARES | \$53,269,918 | \$571,441 | \$0 | -100.0% | -100.0% |
| Institute of Museum and Library Sciences | \$50,000 | \$749,086 | \$0 | -100.0% | -100.0% |
| IREX-Global UG Exchange Program | \$29,001 | \$0 | \$0 | -100.0% | -- |
| Library of Congress | \$188,281 | \$113,895 | \$74,928 | -60.2% | -34.2% |
| Mississippi Band of Choctaw Indians | \$5,000 | \$0 | \$0 | -100.0% | -- |
| National Aeronautics and Space Administration | \$5,519,558 | \$7,978,176 | \$8,519,020 | 54.3% | 6.8% |
| National Endowment for the Arts | \$25,000 | \$40,675 | \$13,950 | -44.2% | -65.7% |
| National Endowment for the Humanities | \$70,400 | \$807,092 | \$86,854 | 23.4% | -89.2% |
| National Geospatial Agency | \$270,020 | \$0 | \$0 | -100.0% | -- |
| National Humanities Council | \$0 | \$3,550 | \$0 | -- | -100.0% |
| National Institutes of Health* | \$72,971,924 | \$67,677,703 | \$89,585,777 | 22.8% | 32.4% |
| National Museum of African American History and Culture | \$128,250 | \$0 | \$0 | -100.0% | -- |
| National Park Service | \$400,000 | \$549,300 | \$0 | -100.0% | -100.0% |
| National Science Foundation | \$33,496,480 | \$33,087,804 | \$50,489,935 | 50.7% | 52.6% |
| National Security Agency | \$500,319 | \$417,422 | \$275,208 | -45.0% | -34.1% |
| National Telecommunications & Information Administration | \$0 | \$0 | \$15,000 | -- | -- |
| Office of National Drug Control Policy | \$0 | \$0 | \$6,000,000 | -- | -- |
| Substance Abuse and Mental Health Services Administration | \$0 | \$0 | \$750 | -- | -- |
| Tennessee Valley Authority | \$583,000 | \$673,781 | \$779,727 | 33.7% | 15.7% |
| Tribal Nations | \$0 | \$0 | \$73,708 | -- | -- |
| U.S. Agency for International Development | \$1,374,006 | \$6,423,550 | \$5,240,708 | 281.4% | -18.4% |
| U.S. Air Force | \$320,964 | \$373,040 | \$0 | -100.0% | -100.0% |
| U.S. Army Engineer Research & Development Center | \$0 | \$500,000 | \$0 | -- | -100.0% |
| U.S. Department of Agriculture | \$80,624,509 | \$98,701,089 | \$94,015,481 | 16.6% | -4.7% |
| U.S. Department of Commerce | \$32,290,133 | \$39,687,024 | \$53,479,863 | 65.6% | 34.8% |
| U.S. Department of Defense | \$54,737,185 | \$54,255,734 | \$54,120,030 | -1.1% | -0.3% |
| U.S. Department of Education | \$83,030,336 | \$56,900,712 | \$68,706,850 | -17.3% | 20.7% |
| U.S. Department of Energy | \$14,208,395 | \$13,167,710 | \$18,503,327 | 30.2% | 40.5% |
| U.S. Department of Health and Human Services | \$59,789,135 | \$78,566,220 | \$43,530,931 | -27.2% | -44.6% |
| U.S. Department of Homeland Security | \$11,179,422 | \$11,540,803 | \$8,779,950 | -21.5% | -23.9% |
| U.S. Department of Housing and Urban Development | \$706,898 | \$402,165 | \$1,302,165 | 84.2% | 223.8% |
| U.S. Department of Interior | \$8,485,573 | \$4,705,485 | \$8,390,276 | -1.1% | 78.3% |
| U.S. Department of Justice | \$3,340,016 | \$3,108,296 | \$3,150,394 | -5.7% | 1.4% |
| U.S. Department of Labor | \$9,544,675 | \$7,927,094 | \$10,944,758 | 14.7% | 38.1% |
| U.S. Department of State | \$108,849 | \$0 | \$0 | -100.0% | -- |
| U.S. Department of State Bureau of Educational and Cultural Affairs | \$0 | \$0 | \$225,000 | -- | -- |
| U.S. Department of Transportation | \$10,142,654 | \$11,862,165 | \$12,352,594 | 21.8% | 4.1% |
| U.S. Department of Treasury | \$7,715,857 | \$4,073,930 | \$31,101,794 | 303.1% | 663.4% |
| U.S. Department of Veterans Affairs | \$20,466 | \$171,836 | \$173,180 | 746.2% | 0.8% |
| U.S. Election Assistance Commission | \$0 | \$219,113 | \$0 | -- | -100.0% |
| U.S. Environmental Protection Agency | \$2,919,315 | \$837,456 | \$2,488,172 | -14.8% | 197.1% |
| U.S. Fish and Wildlife Service | \$0 | \$0 | \$0 | -- | -- |
| U.S. Food and Drug Administration | \$0 | \$24,000 | \$0 | -- | -100.0% |
| U.S. Geological Survey | \$174,061 | \$239,275 | \$256,248 | 47.2% | 7.1% |
| U.S. National Archives and Records Administration | \$108,925 | \$435,830 | \$5,891,893 | 5309.1% | 1251.9% |
| U.S. Navy | \$0 | \$0 | \$0 | -- | -- |
| U.S. Securities and Exchange Commission | \$210,098 | \$0 | \$0 | -100.0% | -- |
| U.S. Small Business Administration | \$3,287,157 | \$12,124,004 | \$11,934,247 | 263.1% | -1.6% |
| Total | \$578,868,713 | \$536,678,747 | \$615,221,492 | 6.3% | 14.6% |

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

**Summary of Federal External Funding by Funding Source
in Descending Order of Totals by Source, FY 2024***

| | ASU | DSU | JSU | MSU | MUW | MVSU | UM | USM | EO | Grand Total |
|---|---------------------|--------------------|---------------------|----------------------|-----------------|--------------------|----------------------|----------------------|--------------------|----------------------|
| U.S. Department of Agriculture | \$10,040,699 | | | \$56,791,752 | | | \$24,535,491 | \$2,647,539 | | \$94,015,481 |
| National Institutes of Health | | \$68,292 | \$7,875,010 | \$4,139,807 | \$22,000 | | \$77,480,668 | | | \$89,585,777 |
| U.S. Department of Education | \$7,338,163 | \$4,853,826 | \$21,698,417 | \$11,194,490 | | \$6,829,495 | \$11,228,181 | \$3,553,579 | \$2,010,699 | \$68,706,850 |
| U.S. Department of Defense | | \$294,000 | | \$24,602,132 | | | \$6,487,727 | \$21,745,673 | | \$54,120,030 |
| U.S. Department of Commerce | | | | \$33,140,959 | | | \$3,324,999 | \$17,013,905 | | \$53,479,863 |
| National Science Foundation | \$147,550 | \$27,115 | \$4,948,119 | \$21,280,510 | | \$343,006 | \$8,957,793 | \$14,785,842 | | \$50,489,935 |
| U.S. Department of Health and Human Services | | \$108,500 | \$60,000 | \$15,079,362 | | | \$11,306,143 | \$15,397,120 | \$1,579,806 | \$43,530,931 |
| U.S. Department of Treasury | | | | \$2,924,147 | | | \$3,114,320 | \$19,063,327 | \$6,000,000 | \$31,101,794 |
| Health Resource and Services Association | | | | \$618,438 | | | \$20,358,480 | | | \$20,976,918 |
| U.S. Department of Energy | | \$2,750,000 | | \$13,129,503 | | | \$1,678,944 | \$944,880 | | \$18,503,327 |
| U.S. Department of Transportation | | | | \$12,352,594 | | | | | | \$12,352,594 |
| U.S. Small Business Administration | | | \$7,000,000 | \$4,684,219 | | | \$250,028 | | | \$11,934,247 |
| U.S. Department of Labor | | | \$1,284,238 | \$7,398,520 | | | | \$2,262,000 | | \$10,944,758 |
| U.S. Department of Homeland Security | | | | \$5,428,446 | | | \$351,504 | \$3,000,000 | | \$8,779,950 |
| National Aeronautics and Space Administration | | \$45,000 | | \$2,645,699 | \$50,000 | | \$3,883,110 | \$1,895,211 | | \$8,519,020 |
| U.S. Department of Interior | | \$500,000 | \$1,000,000 | \$3,545,495 | | | \$130,797 | \$3,213,984 | | \$8,390,276 |
| Office of National Drug Control Policy | | | | \$1,000,000 | | | \$5,000,000 | | | \$6,000,000 |
| U.S. National Archives and Records Administration | | | | \$141,893 | | | \$5,590,000 | \$160,000 | | \$5,891,893 |
| U.S. Agency of International Development | | | | \$5,240,708 | | | | | | \$5,240,708 |
| U.S. Department of Justice | | | | \$709,053 | | \$400,000 | \$1,965,466 | \$75,875 | | \$3,150,394 |
| Corporation for National & Community Service | | | | \$217,753 | | | \$2,102,711 | \$106,887 | | \$2,427,351 |
| U.S. Environmental Protection Agency | | | \$100,000 | \$2,232,321 | | | | \$55,851 | | \$2,388,172 |
| U.S. Department of Housing and Urban Development | | | | \$1,000,000 | | | | \$302,165 | | \$1,302,165 |
| ESSER via MS Department of Education | | \$951,463 | | | | | | | | \$951,463 |
| Tennessee Valley Authority | | | | \$779,727 | | | | | | \$779,727 |
| National Security Agency | | | | \$176,468 | | | | \$98,740 | | \$275,208 |
| U.S. Geological Survey | | | | \$256,248 | | | | | | \$256,248 |
| U.S. Department of State Bureau of Educational and Cultural Affairs | | | \$225,000 | | | | | | | \$225,000 |
| U.S. Department of Veterans Affairs | | | | \$17,955 | | | \$155,225 | | | \$173,180 |
| Federal Railroad Administration | | | \$172,777 | | | | | | | \$172,777 |
| Central Intelligence Agency | | | | \$120,000 | | | | | | \$120,000 |
| Environmental Protection Agency | | | | | | | \$100,000 | | | \$100,000 |
| National Endowment for the Humanities | | | \$30,000 | \$5,000 | | | \$50,000 | \$1,854 | | \$86,854 |
| Library of Congress | | | | | | | \$74,928 | | | \$74,928 |
| Tribal Nations | | | | \$73,708 | | | | | | \$73,708 |
| Centers for Disease Control and Prevention | | | | | | | | \$55,265 | | \$55,265 |
| Appalachian Regional Commission | | | | \$15,000 | | | | | | \$15,000 |
| National Telecommunications & Information Administration | | | | | \$15,000 | | | | | \$15,000 |
| National Endowment for the Arts | | | | \$9,450 | | | | | | \$13,950 |
| Substance Abuse and Mental Health Services Administration | | \$750 | | | | | | | | \$750 |
| Grand Total | \$17,526,412 | \$6,848,946 | \$48,134,059 | \$230,951,357 | \$91,500 | \$7,572,501 | \$188,126,515 | \$106,379,697 | \$9,590,505 | \$615,221,492 |

FY 2024 Research and Sponsored Programs
System Trend of State, Private, Corporate, & Other External Funding

| Funding Source | 2022 Total | 2023 Total | 2024 Total | 2022-24 | 2023-24 |
|--|----------------------|----------------------|----------------------|-----------------|-----------------|
| | | | | % Change | % Change |
| State Funding [other than general appropriation] | \$4,883,733 | \$5,208,383 | \$4,715,088 | -3.5% | -9.5% |
| State of Mississippi Agencies | \$32,546,979 | \$25,340,032 | \$39,479,737 | 21.3% | 55.8% |
| Private/Corporate Business and Industry | \$21,247,336 | \$15,700,036 | \$16,926,600 | -20.3% | 7.8% |
| Foundations and Non-Profit Groups* | \$33,272,824 | \$39,078,478 | \$41,749,089 | 25.5% | 6.8% |
| Other In-State Universities | \$2,335,558 | \$4,900,892 | \$8,616,423 | 268.9% | 75.8% |
| Other Out-of-State Universities | \$4,211,673 | \$6,338,288 | \$9,829,036 | 133.4% | 55.1% |
| Local Governments | \$1,443,523 | \$1,203,024 | \$1,383,797 | -4.1% | 15.0% |
| Other State Governments | \$2,902,340 | \$1,563,946 | \$1,208,242 | -58.4% | -22.7% |
| Foreign Governments & Organizations | \$927,562 | \$620,798 | \$594,708 | -35.9% | -4.2% |
| Other [all other sources not listed above] | \$240,036 | \$56,112 | \$449,453 | 87.2% | 701.0% |
| Total | \$104,011,564 | \$100,009,989 | \$124,952,173 | 20.1% | 24.9% |

| Percent of Total | 2022 Total | 2023 Total | 2024 Total | 2022-24 | 2023-24 |
|--|-------------------|-------------------|-------------------|----------------|----------------|
| | | | | Change | Change |
| State Funding [other than general appropriation] | 4.7% | 5.2% | 3.8% | -0.9% | -1.4% |
| State of Mississippi Agencies | 31.3% | 25.3% | 31.6% | 0.3% | 6.3% |
| Private/Corporate Business and Industry | 20.4% | 15.7% | 13.5% | -6.9% | -2.2% |
| Foundations and Non-Profit Groups* | 32.0% | 39.1% | 33.4% | 1.4% | -5.7% |
| Other In-State Universities | 2.2% | 4.9% | 6.9% | 4.7% | 2.0% |
| Other Out-of-State Universities | 4.0% | 6.3% | 7.9% | 3.8% | 1.5% |
| Local Governments | 1.4% | 1.2% | 1.1% | -0.3% | -0.1% |
| Other State Governments | 2.8% | 1.6% | 1.0% | -1.8% | -0.6% |
| Foreign Governments & Organizations | 0.9% | 0.6% | 0.5% | -0.4% | -0.1% |
| Other [all other sources not listed above] | 0.2% | 0.1% | 0.4% | 0.1% | 0.3% |
| Total | 100.0% | 100.0% | 100.0% | 0.0% | 0.0% |

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

Alcorn State University
Annual Report on Research and Sponsored Programs
July 1, 2023 - June 30, 2024

Dr. Tracy M. Cook
Phone number: 601-877-6111

Dr. Edmund Buckner, Chief Research Officer
Phone number: 601-877-3394

| I. Funding Distribution - College/Division | Number of Projects | Amount |
|--|-----------------------|---------------------|
| Office of Community Development | 6 | \$2,550,085 |
| College of Agriculture, Research, Extension and Applied Sciences | 29 | \$13,389,350 |
| College of Arts and Sciences | 8 | \$536,119 |
| School of Business | 0 | \$0 |
| School of Education and Psychology | 0 | \$0 |
| University College | 0 | \$0 |
| School of Graduate Studies | 1 | \$1,690,878 |
| School of Nursing | 0 | \$0 |
| Title III Strengthening Institutional Programs | 3 | \$5,647,285 |
| TOTAL | 47 | \$23,813,716 |

| II. Funding Sources | | |
|---|-----------|---------------------|
| FEDERAL External Funding by Agency/Department | | |
| National Science Foundation | 1 | \$ 147,550 |
| U.S. Department of Agriculture | 14 | \$10,040,699 |
| U.S. Department of Education | 3 | \$7,338,163 |
| TOTAL Federal Sources | 18 | \$17,526,412 |

| | | |
|---|-----------|---------------------|
| STATE, PRIVATE, CORPORATE, OTHER External Funding by | | |
| State Funding [other than general appropriation] | 0 | \$0 |
| State of Mississippi Agencies | 8 | \$1,732,447 |
| Private/Corporate Business and Industry | 3 | \$1,659,280 |
| Foundations and Non-Profit Groups | 5 | \$827,765 |
| Other In-State Universities | 5 | \$724,369 |
| Other Out-of-State Universities | 8 | \$1,343,444 |
| 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 | 29 | \$6,287,305 |
| GRAND TOTAL of ALL EXTERNAL FUNDING | 47 | \$23,813,717 |

Delta State University
Annual Report on Research and Sponsored Programs
July 1, 2023 - June 30, 2024

Dr. Daniel J. Ennis, President
Phone number: 662-846-4000

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

| I. Funding Distribution - College/Division | Number of Projects | Amount |
|--|-----------------------|--------------------|
| Bologna Performing Arts Center | 2 | \$14,000 |
| College of Arts and Sciences | 12 | \$1,309,663 |
| College of Business and Aviation | 4 | \$1,143,287 |
| Center of Community and Economic Development | 3 | \$2,556,867 |
| College of Education and Human Sciences | 5 | \$1,426,083 |
| Delta Center for Culture and Learning | 3 | \$750,000 |
| Delta Music Institute | 2 | \$29,000 |
| Office of Graduate and Honors Studies | 4 | \$675,269 |
| Office of the Vice-President of Finance and Administration | 1 | \$15,000 |
| Office of the Vice-President of Student Affairs | 6 | \$90,250 |
| Robert E. Smith School of Nursing | 3 | \$110,200 |
| Student Success Center | 5 | \$433,259 |
| Title III Strengthening Institutional Programs | 1 | \$449,975 |
| TOTAL | 51 | \$9,002,853 |
| | | |
| II. Funding Sources: | | |
| FEDERAL External Funding by Agency/Department | | |
| ESSER via MS Department of Education | 1 | \$951,463 |
| National Institute of Health via MS INBRE | 2 | \$68,292 |
| National Science Foundation via Michigan State University | 1 | \$27,115 |
| NASA via University of Mississippi | 3 | \$45,000 |
| Substance Abuse and Mental Health Services Administration | 1 | \$750 |
| U.S. Department of Defense through the U.S. Air Force | 1 | \$294,000 |
| U.S. Department of Education | 6 | \$4,853,826 |
| U.S. Department of Health and Human Services via USM | 2 | \$108,500 |
| U.S. Department of Interior via U.S. National Park Service | 1 | \$500,000 |
| TOTAL Federal Sources | 18 | \$6,848,946 |
| | | |
| STATE, PRIVATE, CORPORATE, OTHER External Funding by | | |
| State of Mississippi Agencies | 9 | \$411,620 |
| Foundations and Non-Profit Groups | 24 | \$1,742,288 |
| TOTAL STATE, PRIVATE, CORPORATE, and OTHER Sources | 33 | \$2,153,908 |
| GRAND TOTAL of ALL EXTERNAL FUNDING | 51 | \$9,002,854 |

Jackson State University
Annual Report on Research and Sponsored Programs
July 1, 2023 - June 30, 2024

Dr. Marcus L. Thompson, President
Phone number: 601-979-2323

Dr. ConSandra McNeil, Chief Research Officer
Phone number: 601-979-2008

| | Number of Projects | Amount |
|---|-----------------------|---------------------|
| I. Funding Distribution - College/Division | | |
| College of Business | 3 | \$4,327,177 |
| College of Education and Human Development | 11 | \$740,088 |
| College of Health Sciences | 9 | \$5,755,126 |
| College of Liberal Arts | 20 | \$1,464,909 |
| College of Science, Engineering and Technology | 60 | \$18,098,055 |
| Division of Academic Affairs | 28 | \$7,904,833 |
| Division of Information Technology | 1 | \$750,000 |
| Division of Institutional Advancement | 10 | \$1,975,287 |
| Division of Research and Economic Development | 8 | \$2,802,076 |
| JSU Department of Public Safety | 2 | \$13,000 |
| Office of the President | 5 | \$19,190,981 |
| TOTAL | 157 | \$63,021,532 |
| II. Funding Sources | | |
| FEDERAL External Funding by Agency/Department | | |
| Federal Railroad Administration | 1 | \$172,777 |
| National Endowment for the Humanities | 1 | \$30,000 |
| National Institutes of Health | 7 | \$7,875,010 |
| National Science Foundation | 12 | \$4,948,119 |
| U.S. Department of Defense | 3 | \$990,498 |
| U.S. Department of Education | 25 | \$21,698,417 |
| U.S. Department of Energy | 2 | \$2,750,000 |
| U.S. Department of Health and Human Services | 1 | \$60,000 |
| U.S. Department of Interior | 2 | \$1,000,000 |
| U.S. Department of Labor | 1 | \$1,284,238 |
| U.S. Department of State Bureau of Educational and Cultural Affairs | 1 | \$225,000 |
| U.S. Environmental Protection Agency | 2 | \$100,000 |
| U.S. Small Business Administration | 2 | \$7,000,000 |
| TOTAL Federal Sources | 60 | \$48,134,059 |
| STATE, PRIVATE, CORPORATE, OTHER External Funding by | | |
| State Funding [other than general appropriation] | 0 | \$0 |
| State of Mississippi Agencies | 17 | \$2,016,846 |
| Private/Corporate Business and Industry | 7 | \$3,168,698 |
| Foundations and Non-Profit Groups | 29 | \$2,220,397 |
| Other State Governments | 0 | \$0 |
| Other In-State Universities | 14 | \$3,284,763 |
| Other Out-of-State Universities | 25 | \$3,614,016 |
| Local Governments | 1 | \$84,915 |
| Foreign Governments & Organizations | 3 | \$48,385 |
| Other [all other sources not listed above] | 1 | \$449,453 |
| TOTAL STATE, PRIVATE, CORPORATE, and OTHER Sources | 97 | \$14,887,473 |
| GRAND TOTAL of <u>ALL</u> EXTERNAL FUNDING | 157 | \$63,021,532 |

**Mississippi State University
Annual Report on Research and Sponsored Programs
July 1, 2023 - June 30, 2024**

**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**

| I. Funding Distribution - College/Division | Number of Projects | Amount |
|--|-----------------------|----------------------|
| Bagley College of Engineering | 106 | \$34,190,952 |
| College of Architecture, Art, and Design | 13 | \$1,734,217 |
| College of Arts and Sciences | 71 | \$16,105,561 |
| College of Business | 5 | \$1,356,756 |
| College of Education | 37 | \$6,044,080 |
| College of Forest Resources/Forest Wildlife Research Center | 99 | \$14,742,525 |
| College of Veterinary Medicine | 25 | \$4,980,829 |
| Division of Student Affairs | 7 | \$431,822 |
| Mitchell Memorial Library | 5 | \$11,950 |
| MS Agricultural and Forestry Experiment Station (MAFES)/CALs | 252 | \$30,358,571 |
| MS State University Extension Service (MSU ES) | 150 | \$39,477,384 |
| Office of Graduate Studies | 1 | \$147,000 |
| Office of the Provost and Executive Vice President | 10 | \$5,665,292 |
| University Branch Campus (Meridian) | 3 | \$1,354,675 |
| University Centers and Institutes | 137 | \$100,535,986 |
| Vice President for Campus Services | 1 | \$2,652,166 |
| Vice President for Research and Economic Development | 11 | \$2,794,285 |
| TOTAL | 933 | \$262,584,051 |

| II. Funding Sources | | |
|---|-----|--------------|
| FEDERAL External Funding by Agency/Department | | |
| Appalachian Regional Commission | 1 | \$15,000 |
| Central Intelligence Agency | 1 | \$120,000 |
| Corporation for National & Community Service | 2 | \$217,753 |
| Health Resource and Services Association | 4 | \$618,438 |
| National Aeronautics and Space Administration | 24 | \$2,645,699 |
| National Endowment for the Arts | 3 | \$9,450 |
| National Endowment for the Humanities | 2 | \$5,000 |
| National Institutes of Health | 34 | \$4,139,807 |
| National Science Foundation | 67 | \$21,280,510 |
| National Security Agency | 2 | \$176,468 |
| Office of National Drug Control Policy | 1 | \$1,000,000 |
| Tennessee Valley Authority | 3 | \$779,727 |
| Tribal Nations | 3 | \$73,708 |
| U.S. Agency of International Development | 6 | \$5,240,708 |
| U.S. Department of Agriculture | 190 | \$56,791,752 |
| U.S. Department of Commerce | 40 | \$33,140,959 |
| U.S. Department of Defense | 34 | \$24,602,132 |
| U.S. Department of Education | 24 | \$11,194,490 |
| U.S. Department of Energy | 17 | \$13,129,503 |
| U.S. Department of Health and Human Services | 36 | \$15,079,362 |
| U.S. Department of Homeland Security | 3 | \$5,428,446 |

Mississippi State University
Annual Report on Research and Sponsored Programs
July 1, 2023 - June 30, 2024

| II. Funding Sources (Continued) | Number of Projects | Amount |
|--|-----------------------|----------------------|
| FEDERAL External Funding by Agency/Department | | |
| U.S. Department of Housing and Urban Development | 1 | \$1,000,000 |
| U.S. Department of Interior | 45 | \$3,545,495 |
| U.S. Department of Justice | 6 | \$709,053 |
| U.S. Department of Labor | 2 | \$7,398,520 |
| U.S. Department of Transportation | 9 | \$12,352,594 |
| U.S. Department of Treasury | 6 | \$2,924,147 |
| U.S. Department of Veterans Affairs | 1 | \$17,955 |
| U.S. Environmental Protection Agency | 9 | \$2,232,321 |
| U.S. Geological Survey | 3 | \$256,248 |
| U.S. National Archives and Records Administration | 1 | \$141,893 |
| U.S. Small Business Administration | 7 | \$4,684,219 |
| TOTAL Federal Sources | 587 | \$230,951,357 |
| | | |
| STATE, PRIVATE, CORPORATE, OTHER External Funding by | | |
| State Funding [other than general appropriation] | 0 | \$0 |
| State of Mississippi Agencies | 39 | \$15,719,967 |
| Private/Corporate Business and Industry | 77 | \$3,489,078 |
| Foundations and Non-Profit Groups | 200 | \$9,968,474 |
| Other State Governments | 9 | \$1,148,284 |
| Other In-State Universities | | \$0 |
| Other Out-of-State Universities | 1 | \$23,000 |
| Local Governments | 10 | \$860,300 |
| Foreign Governments & Organizations | 10 | \$423,591 |
| Other [all other sources not listed above] | 0 | \$0 |
| TOTAL STATE, PRIVATE, CORPORATE, and OTHER | 346 | \$31,632,694 |
| | | |
| GRAND TOTAL of <u>ALL</u> EXTERNAL FUNDING | 933 | \$262,584,051 |

**Mississippi University for Women
Annual Report on Research and Sponsored Programs
July 1, 2023 - June 30, 2024**

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

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

| I. Funding Distribution - College/Division | Number of Projects | Amount |
|--|-----------------------|--------------------|
| Academic Support* | 4 | \$5,396,605 |
| College of Arts & Sciences | 5 | \$76,500 |
| Bill & Jo-Ann Vandergriff College of Nursing and Health Sciences | 1 | \$303,755 |
| TOTAL | 10 | \$5,776,860 |

*Includes total for Mississippi School for Math and Science

| II. Funding Sources | | |
|--|----------|---------------|
| FEDERAL External Funding by Agency/Department | | |
| National Aeronautics and Space Administration | 3 | \$50,000 |
| National Endowment for the Arts | 1 | \$4,500 |
| National Institutes of Health | 1 | \$22,000 |
| National Telecommunications & Information Administration | 1 | \$15,000 |
| TOTAL Federal Sources | 6 | 91,500 |

| STATE, PRIVATE, CORPORATE, OTHER External Funding by | | |
|---|----------|--------------------|
| State Funding [other than general appropriation] | 1 | \$4,715,088 |
| State of Mississippi Agencies | 3 | \$970,272 |
| Other [all other sources not listed above] | 0 | \$0 |
| TOTAL STATE, PRIVATE, CORPORATE, and OTHER Sources | 4 | \$5,685,360 |

| | | |
|---|-----------|--------------------|
| GRAND TOTAL of <u>ALL</u> EXTERNAL FUNDING | 10 | \$5,776,860 |
|---|-----------|--------------------|

**Mississippi Valley State University
Annual Report on Research and Sponsored Programs
July 1, 2023 - June 30, 2024**

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

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

| | Number of Projects | Amount |
|--|-----------------------|--------------------|
| I. Funding Distribution - College/Division | | |
| Department of English and Foreign Languages | 1 | \$20,000 |
| Department of Mathematics, Computer and Information Sciences | 3 | \$349,924 |
| Department of Natural Sciences and Environmental Health | 7 | \$1,403,045 |
| Department of Social Work | 1 | \$99,477 |
| Division of Academic Affairs | 2 | \$632,642 |
| Division of Student Affairs | 1 | \$400,000 |
| Office of Business and Finance | 2 | \$545,057 |
| Title III Strengthening Institutions Programs | 2 | \$4,667,937 |
| University College | 3 | \$1,430,864 |
| TOTAL | 22 | \$9,548,946 |
| II. Funding Sources | | |
| FEDERAL External Funding by Agency/Department | | |
| National Science Foundation | 2 | \$343,006 |
| U.S. Department of Education | 6 | \$6,829,495 |
| U.S. Department of Justice | 1 | \$400,000 |
| TOTAL Federal Sources | 9 | \$7,572,501 |
| STATE, PRIVATE, CORPORATE, OTHER External Funding by | | |
| State Funding [other than general appropriation] | 0 | \$0 |
| State of Mississippi Agencies | 2 | \$545,057 |
| Private/Corporate Business and Industry | 2 | \$250,001 |
| Foundations and Non-Profit Groups | 3 | \$805,450 |
| Other In-State Universities | 6 | \$375,937 |
| Other [all other sources not listed above] | 0 | \$0 |
| TOTAL STATE, PRIVATE, CORPORATE, and OTHER Sources | 13 | \$1,976,445 |
| GRAND TOTAL of ALL EXTERNAL FUNDING | 22 | \$9,548,946 |

University of Mississippi
Annual Report on Research and Sponsored Programs
July 1, 2023 - June 30, 2024

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

Dr. John C. Higginbotham, Vice Chancellor for Research and Economic Development
Phone number: 662-915-7583

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

Dr. Gene Bidwell, III, Associate Vice Chancellor for Research
Phone number: 601-858-5000

| I. Funding Distribution - College/Division | Number of Projects | Amount |
|---|-----------------------|----------------------|
| A. Oxford Campus | | |
| College of Liberal Arts | 81 | \$13,495,633 |
| Graduate School | 2 | \$388,923 |
| National Center for Physical Accoustics | 22 | \$9,066,343 |
| Office of Emergency Management | 1 | \$49,500 |
| Office of the Provost | 19 | \$3,691,775 |
| Office of the Vice Chancellor for Diversity and Community Engagen | 2 | \$17,000 |
| Office of the Vice Chancellor for Research and Sponsored Programs | 2 | \$509,999 |
| Office of the Vice Chancellor for Student Life | 3 | \$5,003,000 |
| School of Accountancy | 1 | \$440,000 |
| School of Applied Sciences | 13 | \$19,362,192 |
| School of Business Administration | 7 | \$2,665,348 |
| School of Education | 62 | \$17,753,287 |
| School of Engineering | 60 | \$15,758,860 |
| School of Law | 17 | \$3,347,950 |
| School of Pharmacy | 56 | \$17,416,933 |
| University Library | 2 | \$4,540,000 |
| University Museum | 1 | \$5,000 |
| Total Oxford | 351 | \$113,511,743 |
| B. Medical Center | | |
| Office of the Vice Chancellor University of MS Medical Center | 4 | \$5,845,000 |
| School of Dentistry | 12 | \$1,580,249 |
| School of Medicine | 308 | \$90,745,672 |
| School of Nursing | 17 | \$2,078,565 |
| School of Population Health | 23 | \$7,218,264 |
| University of Mississippi Medical Center Campus Police | 1 | \$175,000 |
| University of Mississippi Medical Center Hospital | 1 | \$213,892 |
| UP-Telehealth Services | 3 | \$10,066,963 |
| Total Medical Center | 369 | \$117,923,605 |
| TOTAL (UM + UMMC) | 720 | \$231,435,348 |

University of Mississippi
Annual Report on Research and Sponsored Programs
July 1, 2023 - June 30, 2024

II. Funding Sources

| | | |
|---|------------|----------------------|
| FEDERAL External Funding by Agency/Department | | |
| Corporation for National & Community Service | 10 | \$2,102,711 |
| Environmental Protection Agency | 1 | \$100,000 |
| Health Resource and Services Association | 39 | \$20,358,480 |
| Library of Congress | 1 | \$74,928 |
| National Aeronautics and Space Administration | 14 | \$3,883,110 |
| National Archives and Records Administration | 2 | \$5,590,000 |
| National Endowment for the Humanities | 1 | \$50,000 |
| National Institutes of Health | 212 | \$77,480,668 |
| National Science Foundation | 35 | \$8,957,793 |
| Office of National Drug Control Policy | 1 | \$5,000,000 |
| U.S. Department of Agriculture | 22 | \$24,535,491 |
| U.S. Department of Commerce | 5 | \$3,324,999 |
| U.S. Department of Defense | 12 | \$6,487,727 |
| U.S. Department of Education | 10 | \$11,228,181 |
| U.S. Department of Energy | 7 | \$1,678,944 |
| U.S. Department of Health and Human Services | 34 | \$11,306,143 |
| U.S. Department of Homeland Security | 1 | \$351,504 |
| U.S. Department of Interior | 4 | \$130,797 |
| U.S. Department of Justice | 3 | \$1,965,466 |
| U.S. Small Business Administration | 2 | \$250,028 |
| U.S. Department of Treasury | 2 | \$3,114,320 |
| U.S. Department of Veterans Affairs | 3 | \$155,225 |
| TOTAL Federal Sources | 421 | \$188,126,515 |

| | | |
|--|------------|---------------------|
| STATE, PRIVATE, CORPORATE, OTHER External Funding by | | |
| State Funding [other than general appropriation] | 0 | \$0 |
| State of Mississippi Agencies | 22 | \$5,847,551 |
| Private/Corporate Business and Industry | 64 | \$7,165,737 |
| Foundations and Non-Profit Groups | 133 | \$20,935,096 |
| Other State Governments | 2 | \$59,958 |
| Other In-State Universities | 32 | \$4,231,354 |
| Other Out-of-State Universities | 38 | \$4,782,076 |
| Local Governments | 6 | \$164,329 |
| Foreign Governments & Organizations | 2 | \$122,732 |
| Other [all other sources not listed above] | 0 | \$0 |
| TOTAL STATE, PRIVATE, CORPORATE, and OTHER Source | 299 | \$43,308,833 |

| | | |
|--|------------|----------------------|
| GRAND TOTAL of ALL EXTERNAL FUNDING | 720 | \$231,435,348 |
|--|------------|----------------------|

University of Southern Mississippi
Annual Report on Research and Sponsored Programs
July 1, 2023 - June 30, 2024

Dr. Joseph S. Paul, President
Phone number: 601-266-5001

Dr. Kelly Lucas, Vice President for Research
Phone number: 601-266-5116

| I. Funding Distribution - College/Division | Number of Projects | Amount |
|---|-----------------------|----------------------|
| College of Arts and Sciences | 155 | \$50,198,827 |
| College of Business and Economic Development | 5 | \$1,177,283 |
| College of Education and Human Sciences | 55 | \$12,911,457 |
| College of Nursing and Health Professions | 35 | \$4,709,594 |
| Office of the Provost and Vice President for Academic Affairs | 4 | \$633,973 |
| Office of the Vice President for Research | 77 | \$55,618,718 |
| Total | 331 | \$125,249,852 |

| II. Funding Sources | Number of Projects | Amount |
|--|-----------------------|----------------------|
| Federal Funding Source | | |
| Centers for Disease Control and Prevention | 1 | \$55,265 |
| Corporation for National & Community Service | 1 | \$106,887 |
| National Aeronautics and Space Administration | 16 | \$1,895,211 |
| National Endowment for the Humanities | 1 | \$1,854 |
| National Science Foundation | 35 | \$14,785,842 |
| National Security Agency | 1 | \$98,740 |
| U.S. Department of Agriculture | 10 | \$2,647,539 |
| U.S. Department of Commerce | 36 | \$17,013,905 |
| U.S. Department of Defense | 38 | \$21,745,673 |
| U.S. Department of Education | 15 | \$3,553,579 |
| U.S. Department of Energy | 3 | \$944,880 |
| U.S. Department of Health and Human Services | 45 | \$15,397,120 |
| U.S. Department of Homeland Security | 1 | \$3,000,000 |
| U.S. Department of Housing and Urban Development | 1 | \$302,165 |
| U.S. Department of Interior | 12 | \$3,213,984 |
| U.S. Department of Justice | 1 | \$75,875 |
| U.S. Department of Labor | 2 | \$2,262,000 |
| U.S. Department of Treasury | 5 | \$19,063,327 |
| U.S. Environmental Protection Agency | 1 | \$55,851 |
| U.S. National Archives and Records Admin | 1 | \$160,000 |
| TOTAL Federal Sources | 226 | \$106,379,697 |

University of Southern Mississippi
Annual Report on Research and Sponsored Programs
July 1, 2023 - June 30, 2024

| | | |
|---|------------|----------------------|
| STATE, PRIVATE, CORPORATE, OTHER External Funding by | | |
| State Funding [other than general appropriation] | 0 | \$0 |
| State of Mississippi Agencies | 35 | \$12,085,977 |
| Private/Corporate Business and Industry | 17 | \$1,193,806 |
| Foundations and Non-Profit Groups | 41 | \$5,249,619 |
| Other In-State Universities | 0 | \$0 |
| Other Out-of-State Universities | 2 | \$66,500 |
| Local Governments | 10 | \$274,253 |
| 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: | 105 | \$18,870,155 |
| GRAND TOTAL of <u>ALL</u> EXTERNAL FUNDING | 331 | \$125,249,852 |

**IHL Executive Office
Annual Report on Research and Sponsored Programs
July 1, 2023 - June 30, 2024**

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

**Ms. Laura Mayer, Assistant Commissioner for External Affairs
Phone number: 601-432-6493**

| I. Funding Distribution - College/Division | Number of Projects | Amount |
|---|-----------------------|--------------------|
| Academic and Student Affairs | 2 | \$1,729,806 |
| Student Financial Aid | 2 | \$8,010,699 |
| TOTAL | 4 | \$9,740,505 |
| | | |
| II. Funding Sources | | |
| FEDERAL External Funding by Agency/Department | | |
| Corporation for National & Community Service | 0 | \$0 |
| U.S. Department of Education | 1 | \$2,010,699 |
| U.S. Department of Health and Human Services | 1 | \$1,579,806 |
| U.S. Department of Treasury | 1 | \$6,000,000 |
| TOTAL Federal Sources | 3 | \$9,590,505 |
| | | |
| 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 | 0 | \$0 |
| Foundations and Non-Profit Groups | 0 | \$0 |
| 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 | 1 | \$150,000 |
| | | |
| GRAND TOTAL of ALL EXTERNAL FUNDING | 4 | \$9,740,505 |

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.

Educational Efforts: 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.

Research Efforts: 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.

Administrative and Legal Consulting: 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.