Office of Sponsored Programs

ANNUAL REPORT: FISCAL YEAR 2020
Report of Sponsored Programs Activity for the Period
7/1/19-6/30/20

Prepared by the Office of Sponsored Programs
Winter, 2020

Office of Research
Scott Herness, Ph.D., Vice Provost for Research
and Dean of the Graduate School

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Fredric J. Russo, Director
Catherine Bruno, Post-Award Officer
Kathryn Dorsett, Sponsored Programs Administrator
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Report Overview:

This report highlights sponsored program activities for the period 07/1/19 to 6/30/20 (FY 20), providing comparative data as well as historical trends. It also provides detailed information on the types of sponsored program activities occurring at Montclair State University (MSU). Also included are written narratives highlighting some of the many projects affecting local communities.

The Year in Brief:

To state the obvious, 2020 was by no means a “normal” year. The global pandemic has changed our lives in incalculable ways. Those of us in the business of “research administration” found ourselves adapting to an almost entirely remote working environment. Yet the vital work of advancing science and scholarship continued—proposals were submitted and awards received. In fact, many institutions nationwide are reporting sustained if not increased proposal and award activity. This has been our experience at MSU. As noted below, MSU experienced a record $22.4M in awards received. Highlights include (but are not limited to):

- an $8M grant from the NJ Department of Health and Human Services in support of the “New Jersey Inclusive Education Technical Assistance (NJIETA)” project.
- a prestigious National Science Foundation (NSF) CAREER award to develop tools using semiconductors and light sensors that will produce higher-resolution chemical images to help scientists better understand neurotransmission in and around cells.
- a $2M NSF grant to better engage Hispanic STEM students with hands-on, experiential learning opportunities – and extend these learning opportunities to their families.
- a $2.2M grant from the U.S. Department of Education to bolster student success and retention.

Awards and Proposals: In FY 20, MSU faculty and staff were awarded $22.4M externally sponsored funding, the largest award year in MSU history, surpassing FY18’s total of $17.85M by 25.4%. 151 proposals were submitted in FY 19—a 9.58% decrease from the previous year, however, the total dollar volume of proposals submitted in FY 20 of $65.4M represents a 57% increase over FY 19. The National Science Foundation remains MSU’s leading federal sponsor, although, as mentioned in last year’s report, we are experiencing a significantly increased measure of success with the National Institutes of Health in securing a NIH SCORE grant in FY 20 and NIH R01, in early FY 21. Additionally, $8.45M in awards has already been received through the first 6 months in FY 2021.

OSP Initiatives: In FY 20 an OSP team lead by Kate Dorsett, Catherine Bruno, and Ted Russo worked closely with colleagues at CAYUSE, Inc., and MSU’s IT and Finance and Treasury Division in implementing “CAYUSE Sponsored Projects,” a transformative improvement to its proposal routing & approval processes and non-financial post-award management and reporting functionality. CAYUSE SP integrates with MSU’s existing modules, CAYUSE Proposal (424) and CAYUSE Human Ethics (IRB). In the next phase of the SP implementation, CAYUSE SP will integrate with Workday Finance to eliminate duplicative data entry on award set-up.

On behalf of OSP, we congratulate MSU faculty and staff for their continued excellence and celebrate them invaluable contributions as we move forward along our path as a dynamic and vibrant research university!

Sincerely,

Frederic “Ted” Russo, Director, Office of Sponsored Programs (Office of Research)
Dr. Scott Herness, Vice Provost for Research & Dean of The Graduate School
### Fiscal Year 2020 "At-a-Glance"
#### A Summary of FY 20 Sponsored Programs Activity
(with comparative FY 19 data)

<table>
<thead>
<tr>
<th>I. Number of Proposal Submissions</th>
<th>FY 19</th>
<th>FY 20</th>
<th>% Change</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>167</td>
<td>151</td>
<td>-9.58%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>II. Total Proposed Dollar Amount</th>
<th>FY 19</th>
<th>FY 20</th>
<th>% Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct Costs</td>
<td>34,135,578</td>
<td>55,210,635</td>
<td>61.74%</td>
</tr>
<tr>
<td>Indirect Costs</td>
<td>7,550,261</td>
<td>10,241,241</td>
<td>35.64%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$41,685,839</td>
<td>$65,451,876</td>
<td>57.01%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>III. Number of Award Actions</th>
<th>FY 19</th>
<th>FY 20</th>
<th>% Change</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>76</td>
<td>70</td>
<td>-7.89%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IV. Total Awarded Dollar Amount</th>
<th>FY 19</th>
<th>FY 20</th>
<th>% Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct Costs</td>
<td>11,198,508</td>
<td>20,337,066</td>
<td>81.61%</td>
</tr>
<tr>
<td>Indirect Costs</td>
<td>1,382,745</td>
<td>2,059,131</td>
<td>48.92%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$12,581,253</td>
<td>$22,396,197</td>
<td>78.01%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>VI. Expense Activity*</th>
<th>FY 19</th>
<th>FY 20</th>
<th>% Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct Expenses</td>
<td>16,540,095</td>
<td>15,563,236</td>
<td>-5.91%</td>
</tr>
<tr>
<td>Indirect Expenses</td>
<td>1,456,001</td>
<td>1,519,249</td>
<td>4.34%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$17,996,096</td>
<td>$17,082,485</td>
<td>-5.08%</td>
</tr>
</tbody>
</table>

Expense activity: Sponsored programs expenditures to include salary and wages, fringe benefits, equipment costs, other direct costs, and indirect costs. (Provided by the Division of Finance & Treasury.)
<table>
<thead>
<tr>
<th>College / Division</th>
<th>Number of Proposals Submitted</th>
<th>% of Total Proposals Submitted</th>
<th>Proposed Dollar Amount</th>
<th>% of Total Dollars Proposed</th>
<th>Number of Proposals Submitted</th>
<th>% of Total Proposals Submitted</th>
<th>Proposed Dollar Amount</th>
<th>% of Total Dollars Proposed</th>
<th>% change Total Dollars Proposed (FY 19 to FY 20)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CART</td>
<td>6</td>
<td>3.59%</td>
<td>156,778</td>
<td>0.38%</td>
<td>2</td>
<td>1.32%</td>
<td>526,463</td>
<td>0.80%</td>
<td>235.80%</td>
</tr>
<tr>
<td>CEHS</td>
<td>31</td>
<td>18.56%</td>
<td>8,335,990</td>
<td>20.00%</td>
<td>33</td>
<td>21.85%</td>
<td>16,878,591</td>
<td>25.79%</td>
<td>102.48%</td>
</tr>
<tr>
<td>CHSS</td>
<td>34</td>
<td>20.36%</td>
<td>10,265,979</td>
<td>24.63%</td>
<td>38</td>
<td>25.17%</td>
<td>11,585,850</td>
<td>17.70%</td>
<td>12.86%</td>
</tr>
<tr>
<td>CSAM</td>
<td>82</td>
<td>49.10%</td>
<td>19,222,200</td>
<td>46.11%</td>
<td>63</td>
<td>41.72%</td>
<td>29,615,082</td>
<td>45.25%</td>
<td>54.07%</td>
</tr>
<tr>
<td>SBUS</td>
<td>3</td>
<td>1.80%</td>
<td>263,178</td>
<td>0.63%</td>
<td>1</td>
<td>0.66%</td>
<td>10,000</td>
<td>0.02%</td>
<td>-96.20%</td>
</tr>
<tr>
<td>*OTHER</td>
<td>11</td>
<td>6.59%</td>
<td>3,441,714</td>
<td>8.26%</td>
<td>14</td>
<td>9.27%</td>
<td>6,835,890</td>
<td>10.44%</td>
<td>98.62%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>167</strong></td>
<td><strong>100.00%</strong></td>
<td><strong>$41,685,839</strong></td>
<td><strong>100.00%</strong></td>
<td><strong>151</strong></td>
<td><strong>100.00%</strong></td>
<td><strong>$65,451,876</strong></td>
<td><strong>100.00%</strong></td>
<td><strong>57.01%</strong></td>
</tr>
</tbody>
</table>

*Other includes Student Development and Campus Life (SDCL), Center for Community Engagement, Office of the Provost, University College, Office of Hispanic Serving Initiatives, Student Academic Services, International Engagement, Research Academy for University Learning, Library Services, and University Facilities.
### Proposals Submitted: Total Dollars Proposed by College/Division (FY 16-20)

<table>
<thead>
<tr>
<th>College / Division</th>
<th>FY 16</th>
<th>FY 17</th>
<th>FY 18</th>
<th>FY 19</th>
<th>FY 20</th>
<th>% change FY 16-20</th>
</tr>
</thead>
<tbody>
<tr>
<td>College of the Arts (CART)</td>
<td>72,828</td>
<td>155,000</td>
<td>64,325</td>
<td>156,778</td>
<td>526,463</td>
<td>622.89%</td>
</tr>
<tr>
<td>College of Education and Human Services (CEHS)</td>
<td>13,823,475</td>
<td>13,471,809</td>
<td>24,655,248</td>
<td>8,335,990</td>
<td>16,878,591</td>
<td>22.10%</td>
</tr>
<tr>
<td>College of Humanities and Social Sciences (CHSS)</td>
<td>6,468,559</td>
<td>9,291,226</td>
<td>8,520,930</td>
<td>10,265,979</td>
<td>11,585,850</td>
<td>79.11%</td>
</tr>
<tr>
<td>College of Science and Mathematics (CSAM)</td>
<td>25,526,495</td>
<td>26,794,952</td>
<td>31,607,918</td>
<td>19,222,200</td>
<td>29,615,082</td>
<td>16.02%</td>
</tr>
<tr>
<td>School of Business (SBUS)</td>
<td>26,080</td>
<td>-</td>
<td>-</td>
<td>263,178</td>
<td>10,000</td>
<td>-61.66%</td>
</tr>
<tr>
<td>Other Programs</td>
<td>171,762</td>
<td>1,624,498</td>
<td>1,974,938</td>
<td>3,441,714</td>
<td>6,835,890</td>
<td>3879.86%</td>
</tr>
<tr>
<td><strong>Totals:</strong></td>
<td><strong>$46,089,199</strong></td>
<td><strong>$51,337,485</strong></td>
<td><strong>$66,823,359</strong></td>
<td><strong>$41,685,839</strong></td>
<td><strong>$65,451,876</strong></td>
<td><strong>42.01%</strong></td>
</tr>
</tbody>
</table>
Number of Proposal Submissions by College: FY 16-20

<table>
<thead>
<tr>
<th>College</th>
<th>FY 16</th>
<th>FY 17</th>
<th>FY 18</th>
<th>FY 19</th>
<th>FY 20</th>
</tr>
</thead>
<tbody>
<tr>
<td>CART</td>
<td>3</td>
<td>3</td>
<td>6</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>SBUS</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>CHSS</td>
<td>47</td>
<td>33</td>
<td>38</td>
<td>38</td>
<td>39</td>
</tr>
<tr>
<td>CEHS</td>
<td>24</td>
<td>32</td>
<td>32</td>
<td>33</td>
<td>33</td>
</tr>
<tr>
<td>CSAM</td>
<td>80</td>
<td>80</td>
<td>71</td>
<td>63</td>
<td>82</td>
</tr>
</tbody>
</table>

Total Proposal Dollar Volume by College: FY 16-20

<table>
<thead>
<tr>
<th>College</th>
<th>FY 16</th>
<th>FY 17</th>
<th>FY 18</th>
<th>FY 19</th>
<th>FY 20</th>
</tr>
</thead>
<tbody>
<tr>
<td>CART</td>
<td>$10,000,000</td>
<td>$15,000,000</td>
<td>$30,000,000</td>
<td>$25,000,000</td>
<td>$30,000,000</td>
</tr>
<tr>
<td>SBUS</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>CHSS</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>CEHS</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>CSAM</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
</tr>
</tbody>
</table>
Proposed Dollar Amount by Sponsor Type: FY 19/20

<table>
<thead>
<tr>
<th>Sponsor Type</th>
<th>FY 19</th>
<th>FY 20</th>
<th>% change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Federal</td>
<td>$31,458,584</td>
<td>$48,595,414</td>
<td>54.47%</td>
</tr>
<tr>
<td>State</td>
<td>$4,335,457</td>
<td>$11,908,058</td>
<td>174.67%</td>
</tr>
<tr>
<td>State (Non-NJ)</td>
<td>$92,684</td>
<td>$0</td>
<td>-100.00%</td>
</tr>
<tr>
<td>Local</td>
<td>$5,000</td>
<td>$220,000</td>
<td>4300.00%</td>
</tr>
<tr>
<td>Corporation</td>
<td>$156,872</td>
<td>$0</td>
<td>-100.00%</td>
</tr>
<tr>
<td>Private (Non-Corp)</td>
<td>$5,300,240</td>
<td>$4,511,390</td>
<td>-14.88%</td>
</tr>
<tr>
<td>Foreign</td>
<td>$337,002</td>
<td>$217,015</td>
<td>-35.60%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$41,685,839</strong></td>
<td><strong>$65,451,876</strong></td>
<td><strong>57.01%</strong></td>
</tr>
<tr>
<td>Average Proposal Amount</td>
<td><strong>$258,918</strong></td>
<td><strong>$442,242</strong></td>
<td><strong>70.80%</strong></td>
</tr>
</tbody>
</table>

*Average proposal request is adjusted for submissions (e.g. preliminary proposals) in which budgets are not requested.*
The total dollar volume of proposals submitted has increased an annual average of 11.1% over the past 5 fiscal years. FY 20’s total of $65.4M represents MSU’s 2nd highest total in its history (not including the American Reinvestment Recovery Act/ARRA of FY 10).
## Montclair State University: Awards Received and Awarded Dollar Amount by College/Division (FY 19 & FY 20)

<table>
<thead>
<tr>
<th>College / Division</th>
<th>Fiscal Year 2019 (July 1, 2018-June 30, 2019)</th>
<th>Fiscal Year 2020 (July 1, 2019-June 30, 2020)</th>
<th>% change Total Dollars Awarded (FY 19 to FY 20)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number of Awards Received</td>
<td>% of Total Awards Received</td>
<td>Awarded Dollar Amount</td>
</tr>
<tr>
<td>CART</td>
<td>2</td>
<td>2.63%</td>
<td>67,292</td>
</tr>
<tr>
<td>CEHS</td>
<td>20</td>
<td>26.32%</td>
<td>5,779,128</td>
</tr>
<tr>
<td>CHSS</td>
<td>7</td>
<td>9.21%</td>
<td>717,160</td>
</tr>
<tr>
<td>CSAM</td>
<td>41</td>
<td>53.95%</td>
<td>5,092,942</td>
</tr>
<tr>
<td>SBUS</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>*OTHER</td>
<td>6</td>
<td>7.89%</td>
<td>924,731</td>
</tr>
<tr>
<td>Total</td>
<td>76</td>
<td>100.00%</td>
<td>$12,581,253</td>
</tr>
</tbody>
</table>

*Other Includes Provost’s Office, University College, Center for Community Engagement, Office of International Engagement, Library Services, Student Development and Campus Life (SDCL), and University Facilities.
## Awards Received: Total Dollar Volume by College/Division (FY 16-20)

<table>
<thead>
<tr>
<th>College / Division</th>
<th>FY 16</th>
<th>FY 17</th>
<th>FY 18</th>
<th>FY 19</th>
<th>FY 20</th>
<th>(% change FY 19/20)</th>
</tr>
</thead>
<tbody>
<tr>
<td>College of the Arts (CART)</td>
<td>62,341</td>
<td>148,009</td>
<td>81,617</td>
<td>67,292</td>
<td>89,464</td>
<td>32.95%</td>
</tr>
<tr>
<td>College of Education and Human Services (CEHS)</td>
<td>7,604,079</td>
<td>4,818,927</td>
<td>10,573,722</td>
<td>5,779,128</td>
<td>14,091,411</td>
<td>143.83%</td>
</tr>
<tr>
<td>College of Humanities and Social Sciences (CHSS)</td>
<td>1,221,716</td>
<td>1,335,092</td>
<td>624,226</td>
<td>717,160</td>
<td>2,389,856</td>
<td>233.24%</td>
</tr>
<tr>
<td>College of Science and Mathematics (CSAM)</td>
<td>1,836,473</td>
<td>5,267,098</td>
<td>5,532,978</td>
<td>5,092,942</td>
<td>3,993,782</td>
<td>-21.58%</td>
</tr>
<tr>
<td>School of Business (SBUS)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>15,000</td>
<td>-</td>
</tr>
<tr>
<td>*Other Sponsored Programs</td>
<td>784,988</td>
<td>979,243</td>
<td>1,833,180</td>
<td>924,731</td>
<td>1,816,683</td>
<td>96.46%</td>
</tr>
<tr>
<td>Totals:</td>
<td>$11,509,597</td>
<td>$12,548,369</td>
<td>$18,645,723</td>
<td>$12,581,253</td>
<td>$22,396,196</td>
<td>78.01%</td>
</tr>
</tbody>
</table>
**Number of Awards by College: FY 16-20**

**Total Dollar Volume of Awards by College (FY 16-20)**

<table>
<thead>
<tr>
<th>College</th>
<th>FY 16</th>
<th>FY 17</th>
<th>FY 18</th>
<th>FY 19</th>
<th>FY 20</th>
<th>% change (FY 16-20)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CART</td>
<td>$62,341</td>
<td>$148,009</td>
<td>$81,617</td>
<td>$67,292</td>
<td>$89,464</td>
<td>43.51%</td>
</tr>
<tr>
<td>SBUS</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>$15,000</td>
<td>-</td>
</tr>
<tr>
<td>CHSS</td>
<td>$1,221,716</td>
<td>$1,335,092</td>
<td>$624,226</td>
<td>$717,160</td>
<td>$2,389,856</td>
<td>95.61%</td>
</tr>
<tr>
<td>CEHS</td>
<td>$7,604,079</td>
<td>$4,818,927</td>
<td>$10,573,722</td>
<td>$5,779,128</td>
<td>$14,091,411</td>
<td>85.31%</td>
</tr>
<tr>
<td>CSAM</td>
<td>$1,836,473</td>
<td>$5,267,098</td>
<td>$5,532,978</td>
<td>$5,092,942</td>
<td>$3,993,782</td>
<td>117.47%</td>
</tr>
<tr>
<td>Total</td>
<td>$10,724,609</td>
<td>$11,569,126</td>
<td>$16,812,543</td>
<td>$11,656,522</td>
<td>$20,579,513</td>
<td>91.89%</td>
</tr>
</tbody>
</table>
The significant increase in State of New Jersey awards to MSU in FY 20 is largely attributed to a single award of $8M from the New Jersey Department of Education under a U.S. Department of Education Formula Grant (CFDA 84.027A).

### Total Awards Received by Sponsor Type (FY 19/20)

<table>
<thead>
<tr>
<th>Sponsor Type</th>
<th>FY 19</th>
<th>FY 20</th>
<th>% change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Federal</td>
<td>$7,904,840</td>
<td>$6,243,172</td>
<td>-21.02%</td>
</tr>
<tr>
<td>State of NJ</td>
<td>$3,801,207</td>
<td>$13,700,204</td>
<td>260.42%</td>
</tr>
<tr>
<td>State (non-NJ)</td>
<td>$10,000</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Local</td>
<td>-</td>
<td>$198,840</td>
<td>-</td>
</tr>
<tr>
<td>Private</td>
<td>$856,504</td>
<td>$2,183,928</td>
<td>154.98%</td>
</tr>
<tr>
<td>Foreign</td>
<td>$8,702</td>
<td>$70,052</td>
<td>705.01%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$12,581,253</strong></td>
<td><strong>$22,396,196</strong></td>
<td><strong>78.01%</strong></td>
</tr>
</tbody>
</table>

### Total Number of Awards Received by Sponsor Type (FY 19/20)

<table>
<thead>
<tr>
<th>Sponsor Type</th>
<th>FY 19</th>
<th>FY 20</th>
<th>% change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Federal</td>
<td>47</td>
<td>30</td>
<td>-36.17%</td>
</tr>
<tr>
<td>State of NJ</td>
<td>14</td>
<td>12</td>
<td>-14.29%</td>
</tr>
<tr>
<td>State (non-NJ)</td>
<td>1</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Local</td>
<td>-</td>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td>Private</td>
<td>12</td>
<td>24</td>
<td>100.00%</td>
</tr>
<tr>
<td>Foreign</td>
<td>2</td>
<td>2</td>
<td>0.00%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>76</td>
<td>70</td>
<td>-7.89%</td>
</tr>
</tbody>
</table>
Total Number of Awards Received and Awarded Amount by Federal Sponsor (FY 19/20)

<table>
<thead>
<tr>
<th>Sponsor</th>
<th>FY 19 Number</th>
<th>Amount</th>
<th>% Total</th>
<th>Avg. Award Amount</th>
<th>FY 19 Number</th>
<th>Amount</th>
<th>% Total</th>
<th>Avg. Award Amount</th>
<th>% change total amount awarded: FY 19/20</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Science Foundation</td>
<td>20</td>
<td>$3,330,096</td>
<td>42.13%</td>
<td>$166,504.80</td>
<td>9</td>
<td>$3,014,973</td>
<td>48.29%</td>
<td>$166,504.80</td>
<td>-9.46%</td>
</tr>
<tr>
<td>National Institutes of Health</td>
<td>6</td>
<td>$1,243,233</td>
<td>15.73%</td>
<td>$207,205.48</td>
<td>4</td>
<td>$1,003,806</td>
<td>16.08%</td>
<td>$207,205.48</td>
<td>-19.26%</td>
</tr>
<tr>
<td>Department of Education</td>
<td>5</td>
<td>$2,331,536</td>
<td>29.50%</td>
<td>$466,307.20</td>
<td>3</td>
<td>$501,112</td>
<td>8.03%</td>
<td>$167,037.33</td>
<td>-78.51%</td>
</tr>
<tr>
<td>Department of Agriculture</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1</td>
<td>$149,239</td>
<td>2.39%</td>
<td>$149,239.00</td>
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<tr>
<td>Department of Justice</td>
<td>1</td>
<td>$122,200</td>
<td>1.55%</td>
<td>$122,200.00</td>
<td>1</td>
<td>$567,191</td>
<td>9.08%</td>
<td>$567,191.00</td>
<td>364.15%</td>
</tr>
<tr>
<td>*DHHS</td>
<td>3</td>
<td>$169,471</td>
<td>2.14%</td>
<td>$56,490.33</td>
<td>4</td>
<td>$556,448</td>
<td>8.91%</td>
<td>$139,112.00</td>
<td>228.34%</td>
</tr>
<tr>
<td>Department of State</td>
<td>1</td>
<td>$52,315</td>
<td>0.66%</td>
<td>$52,315.00</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Corporation for National and Community Service</td>
<td>1</td>
<td>$365,518</td>
<td>4.62%</td>
<td>$365,518.00</td>
<td>2</td>
<td>$232,041</td>
<td>3.72%</td>
<td>$116,020.50</td>
<td>-36.52%</td>
</tr>
<tr>
<td>EPA</td>
<td>1</td>
<td>$19,000</td>
<td>0.24%</td>
<td>$19,000.00</td>
<td>1</td>
<td>$5,000</td>
<td>0.08%</td>
<td>$5,000.00</td>
<td>-73.68%</td>
</tr>
<tr>
<td>National Endowment for the Arts</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1</td>
<td>$25,000</td>
<td>0.40%</td>
<td>$25,000.00</td>
<td>-</td>
</tr>
<tr>
<td>National Endowment for the Humanities</td>
<td>1</td>
<td>$49,783</td>
<td>0.63%</td>
<td>$49,783.00</td>
<td>-</td>
<td>-</td>
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<td>-</td>
<td>-</td>
</tr>
<tr>
<td>NASA</td>
<td>2</td>
<td>$74,549</td>
<td>0.94%</td>
<td>$37,274.50</td>
<td>3</td>
<td>$138,362</td>
<td>2.22%</td>
<td>$46,120.67</td>
<td>85.60%</td>
</tr>
<tr>
<td>NOAA</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>U.S. Department of the Interior</td>
<td>5</td>
<td>$49,447</td>
<td>0.63%</td>
<td>$9,889.40</td>
<td>1</td>
<td>$50,000</td>
<td>0.80%</td>
<td>$50,000.00</td>
<td>1.12%</td>
</tr>
<tr>
<td>USAID</td>
<td>1</td>
<td>$97,692</td>
<td>1.24%</td>
<td>$97,692.00</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Totals</td>
<td>47</td>
<td>$7,904,840</td>
<td>100.00%</td>
<td>$168,188.08</td>
<td>30</td>
<td>$6,243,172</td>
<td>100.00%</td>
<td>$208,105.73</td>
<td>-21.02%</td>
</tr>
</tbody>
</table>
Award growth over the past ten fiscal years has averaged 13.91% annually. FY 20 marks MSU's highest award total in its history, of $22.39M.
<table>
<thead>
<tr>
<th>Type of Activity</th>
<th>FY 19</th>
<th></th>
<th></th>
<th>FY 20</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number</td>
<td>% of Total</td>
<td>Amount</td>
<td>Number</td>
<td>% of Total</td>
<td>Amount</td>
</tr>
<tr>
<td>Research</td>
<td>52</td>
<td>68.42%</td>
<td>$6,821,743</td>
<td>48</td>
<td>68.57%</td>
<td>$7,600,258</td>
</tr>
<tr>
<td>Instruction/Training</td>
<td>6</td>
<td>7.89%</td>
<td>$2,047,229</td>
<td>7</td>
<td>10.00%</td>
<td>$12,856,463</td>
</tr>
<tr>
<td>Public Service</td>
<td>8</td>
<td>10.53%</td>
<td>$2,966,311</td>
<td>6</td>
<td>8.57%</td>
<td>$762,249</td>
</tr>
<tr>
<td>Other</td>
<td>10</td>
<td>13.16%</td>
<td>$745,970</td>
<td>9</td>
<td>12.86%</td>
<td>$1,177,227</td>
</tr>
<tr>
<td>Total</td>
<td>76</td>
<td>100.00%</td>
<td>$12,581,253</td>
<td>70</td>
<td>100.00%</td>
<td>$22,396,197</td>
</tr>
</tbody>
</table>

*Other = Conference/Workshops; Programmatic Activities; Fellowships, etc.*
Montclair State University  
Comparative Summary of Sponsored Program Expense Activity FY2020 & FY2019

<table>
<thead>
<tr>
<th>Natural Expense Category</th>
<th>FY2020 Expense</th>
<th>FY2019 Expense</th>
<th>% Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salary &amp; Wages</td>
<td>7,761,885</td>
<td>8,256,134</td>
<td>-6.37%</td>
</tr>
<tr>
<td>Fringe Benefits</td>
<td>1,237,954</td>
<td>1,315,205</td>
<td>-6.02%</td>
</tr>
<tr>
<td>Equipment</td>
<td>211,226</td>
<td>234,058</td>
<td>-10.81%</td>
</tr>
<tr>
<td>Other Direct Expenses</td>
<td>6,352,171</td>
<td>6,734,698</td>
<td>-6.02%</td>
</tr>
<tr>
<td>Total Direct Expenses</td>
<td>15,563,236</td>
<td>16,540,095</td>
<td>-6.24%</td>
</tr>
<tr>
<td>Indirect Expenses</td>
<td>1,519,249</td>
<td>1,456,001</td>
<td>4.16%</td>
</tr>
<tr>
<td>Total Sponsored Program Expenses</td>
<td>17,082,485</td>
<td>17,996,096</td>
<td>-5.35%</td>
</tr>
</tbody>
</table>

Source: Office of Finance & Treasury: MSU Ledger Actuals - FY 2019 and FY 2020
National Science Foundation (NSF) Survey of Higher Education Research and Development Expenditures:
FY 15-19 (in Millions)

Source: Office of Finance & Treasury (the FY 20 NSF HERD survey has not yet been posted by the National Science Foundation).
**VII. Campus and Community Impact:** To follow, are just some of the many sponsored activities and programs that are directly impacting our campus, communities, state, and region. In FY 20, over $15.36M in funding was awarded to MSU in support of research, education/awareness, outreach, training and public service projects impacting the tri-state region.

- **$8,000,000 from the New Jersey Department of Education** for a 5 ¼ year grant in support of a partnership between MSU’s Center for Autism and Early Childhood Mental Health (CAECMH) and the New Jersey Coalition for Inclusive Education (NJCEIE). This grant award will be used to establish the New Jersey Inclusive Education Technical Assistance (NJIETA) project to promote the inclusion of children with disabilities into PreK through 12th grade general-education classrooms in New Jersey public schools. This grant became available through the U.S. Department of Education’s (NJDOE) annual allocation of federal funds from the Individuals with Disabilities Education Act.  
  *PI/PD’s: Gerard Costa and Kaitlin Mulcahy, Center for Autism and Early Childhood Mental Health (CEHS)*

- A $2.2M grant from the **U.S. Department of Education** to support the University-wide initiative “Advising 2025: Creating a Coordinated Care Network for Student Success.” This funding will allow the University to develop a coordinated care network that enhances communication among faculty, academic advisors, career counselors, mentoring and tutors to transform its student support system.  
  *PI/PD’s: David Hood & Danielle Insalaco-Egan, University College (Academic Affairs)*

- A $1,076,845 contract from the **NJ Department of Children and Families**, in continued support of **Project LAUNCH**. This multi-contract award funded services to provide evidenced-based curricula in Essex County, and to support a range of early childhood prevention programs throughout New Jersey, including Home-Visitation, support for County Councils, support for the Early Childhood Comprehensive Systems’ Help Me Grow initiative, Community-based Child Abuse Prevention programs, and Project LAUNCH.  
  *PI/PD’s: Gerard Costa and Kaitlin Mulcahy, Center for Autism and Early Childhood Mental Health (CEHS)*

- **$2,800,000 from the NJ Department of Human Services** in support of MSU’s **FY20 Socio-Emotional Formation Initiative (SEFI)**. The Socio-Emotional Formation Initiative (SEFI) supports the statewide integration of professional development opportunities aimed at promoting the social and emotional well-being and inclusion of all infants, toddlers and young children with and without developmental, emotional and behavioral difficulties. SEFI, a grant-supported program of the Center for Autism and Early Childhood Mental Health at Montclair State University, approaches this work through the full continuum of promotion, prevention and intervention efforts.  
  *PI/PD: Gerard Costa • Center for Autism and Early Childhood Mental Health (CEHS)*

- **$308,875 from the US Department of Health and Human Services/SAMHSA** for year 5 and supplemental funding in support of “Project C.O.P.E.,” which works to prevent substance abuse and the spread of HIV among African American and Latino youth in Paterson, NJ.  
  *PI/PD’s: Robert Reid and Pauline Garcia-Reid, Family Science and Human Development (CEHS)*

- **$481,894 from the NJ Department of Public Health** for a project entitled “Supporting Students in Recovery: Recovery Housing and Supports to Prevent and Reduce Substance Abuse on College Campuses in New Jersey.” This program provides students recovering from Substance Use Disorder with
expanded counseling services and financial support to defray the costs of tuition and on-campus housing. It comes at a critical time as the coronavirus pandemic has made college life more challenging.

**PI/PD’s: Kevin Shaefer (Residence Life) & Marie Cascarano (Health Promotion), Student Development and Campus Life**

- **A US Department of Health and Human Services/SAMHSA** grant in the amount of $125,000 to support Year 7 of the Paterson Coalition Against Substance Abuse (P-CASA). P-CASA seeks to develop the infrastructure of an anti-drug coalition targeting at-risk racial and ethnic minority adolescents in Paterson’s 1st Ward. As a collaborative effort between Montclair State University and a diverse group of community stakeholders, P-CASA will introduce evidence-based environmental prevention strategies to meet the goals of the Drug Free Communities Grant Program, which are to increase community collaboration and reduce substance use among youth aged 12–17.

  **PI/PD’s: Robert Reid and Pauline Garcia-Reid. Family Science and Human Development (CEHS)**

- **$78,333** from the **NJ Department of Human Services** for the "New Jersey Hearing Aid Project," which is an effort to provide low income individuals access to needed hearing aid devices and related audiological services that otherwise are not available due to cost.

  **PI/PD: Janet Koehnke, Communication Sciences and Disorders (CHSS)**

- **A subaward of $5,000** from Rutgers University, sponsored by the U.S. EPA in support of the Paterson “Grow Healthy” Initiative. Montclair State University Department of Public Health will provide paid internship opportunities to 5 undergraduate public health students to be food waste educators. Their work supports the main project goal: increase awareness about the food cycle and food waste as an environmental issue in Paterson Public Schools, to prompt students to make food choices that will reduce waste. The interns will work in Paterson elementary schools, with students, science teachers, and food service/maintenance workers.

  **PI/PD: Amanda Birnbaum, Public Health (CEHS)**

- **A $39,970 in supplemental funding** from the **NJ Board of Public Utilities** to fund a project entitled “The Clean Energy and Sustainability Analytics Center (CESAC): To Advance Research on the Sustainable Clean-Energy Economy.” The Clean Energy and Sustainability Analytics Center (CESAC) is working to advance research on the sustainable clean-energy economy by providing research, analysis, education, and outreach on clean-energy policies, technology, and practices. CESAC’s work aims to provide real-world insights to regulators, businesses, and the general public. While CESAC fosters faculty and student research in the area of clean energy and sustainability analytics, it also facilitates collaborative discussion between energy researchers and policy makers.

  **PI/PD: Pankaj Lal, Clean Energy and Sustainability Analytics Center (CSAM)**

- **$10,000** from the **Partners for Health Foundation** in support of NJHCN Healthy Eating & Active Living Strategies for MSU. This project gathers feedbacks from students attending the University, with attention given to the students who may be experiencing food insecurity, and assess the current dining vendors and the foodscape surrounding the campus, and will make environmental and policy changes on campus to make food more accessible to these food insecure university students, who have a limited access to conventional nutritional supports, compared to other student populations.

  **PI/PD: Adeline Cochran, Capital Planning and Project Management (University Facilities)**
<table>
<thead>
<tr>
<th>College/Division and Department</th>
<th>Lead Faculty</th>
<th>Project Title</th>
<th>Sponsor Name</th>
<th>Start Date</th>
<th>End Date</th>
<th>Amount Requested</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACADENIC AFFAIRS (AA) CENTER FOR COMMUNITY ENGAGEMENT</td>
<td>Murdock, Bryan/Card, Thomas (CSAM)/Woolston, Krystal</td>
<td>EECO AmeriCorps Program 2020</td>
<td>NJ Commission on National and Community Service</td>
<td>8/1/2020</td>
<td>8/30/2021</td>
<td>$154,467</td>
</tr>
<tr>
<td></td>
<td>Murdock, Bryan/Woolston, Krystal</td>
<td>New Jersey/New York Regional Technical Assistance Center for University Assisted Community Schools</td>
<td>Netter Center for Community Partnerships</td>
<td>9/1/2020</td>
<td>8/31/2021</td>
<td>$50,000</td>
</tr>
<tr>
<td></td>
<td>Woolston, Krystal/Murdock, Bryan</td>
<td>MLK Jr. Day of Service 2020</td>
<td>NJ Commission on National and Community Service</td>
<td>1/1/2020</td>
<td>2/1/2020</td>
<td>$2,500</td>
</tr>
<tr>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>Total Proposals for Center for Community Engagement: 3</td>
</tr>
<tr>
<td>COLLEGE OF THE ARTS (CART)</td>
<td>Wheeler, Jedediah</td>
<td>To support the development of a new work by choreographer Emily Johnson from Peak Performances</td>
<td>National Endowment for the Arts</td>
<td>7/1/2020</td>
<td>5/31/2021</td>
<td>$75,000</td>
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<tr>
<td>Arts and Cultural Programming</td>
<td>Viegas, Michael/Abrams, Brian/Keenan, Julian (CSAM)/Lyons, Rachel (Nursing)</td>
<td>Exploring the Validity of Creating the Digital Music Application Pain Profile (DMAPP) for Use in the Assessment of Chronic Pain</td>
<td>National Institutes of Health (R15) - Subaward to Worcester Polytechnic Institute</td>
<td>9/1/2020</td>
<td>8/31/2023</td>
<td>$451,463</td>
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<tr>
<td></td>
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<td>Total Proposals for CART: 2</td>
</tr>
<tr>
<td>COLLEGE OF EDUCATION AND HUMAN SERVICES (CEHS) Center for Autism and Early Childhood Mental Health</td>
<td>Costa, Gerard</td>
<td>NI Inclusive Education Technical Assistance (NIETTA)</td>
<td>NJ Department of Education - Subaward to NJ Coalition for Inclusive Education</td>
<td>1/2/2020</td>
<td>6/30/2025</td>
<td>$8,000,000</td>
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<tr>
<td>Center of Pedagogy</td>
<td>Robinson, Jennifer</td>
<td>Montclair State University Newark Teacher Project</td>
<td>Newark Public Schools</td>
<td>9/1/2019</td>
<td>9/30/2020</td>
<td>$195,000</td>
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<tr>
<td>Counseling</td>
<td>Hannon, Michael</td>
<td>Parent engagement of Black and Latino/a/x parents of students with autism: A case study</td>
<td>Spencer Foundation</td>
<td>9/1/2020</td>
<td>8/31/2022</td>
<td>$50,000</td>
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<tr>
<td>Dean's Office</td>
<td>Tran, Yune/Hagiwara, Sumi (Teaching and Learning)</td>
<td>Increasing Teachers' Efficacy and Student Learning with Computational Thinking in Interdisciplinary Content</td>
<td>US Department of Education - Institute of Education Sciences</td>
<td>9/1/2020</td>
<td>8/31/2024</td>
<td>$1,283,029</td>
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<tr>
<td>Educational Foundations</td>
<td>Barnes, Nicole/Fives, Hellenrose</td>
<td>Source Evaluation: Instruction: Corruing the Influence of Misinformation for Students Attending Economically Disadvantaged Schools in the United States</td>
<td>US Department of Education - Institute of Education Sciences - Subaward from University of Memphis</td>
<td>9/1/2020</td>
<td>8/31/2023</td>
<td>$714,808</td>
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<tr>
<td></td>
<td>Barnes, Nicole/Fives, Hellenrose</td>
<td>The Role of Explicit and Implicit Attitudes in Educators' Data-based Decision Making: Contributing Factors to Inequity of Student Learning Opportunities?</td>
<td>Spencer Foundation - Subaward from University of Virginia</td>
<td>6/1/2020</td>
<td>5/31/2023</td>
<td>$199,997</td>
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<tr>
<td></td>
<td>Cioe-Pena, Maria</td>
<td>Excluded from the Start?: The Impact of COVID-19-related remote schooling on Spanish-speaking mothers of emergent bilingual learners with disabilities from Mother to Teacher: The experiences of Spanish-speaking mothers of English Language Learners with disabilities during Covid-19 related remote schooling</td>
<td>Spencer Foundation</td>
<td>1/1/2021</td>
<td>12/31/2022</td>
<td>$60,000</td>
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<tr>
<td></td>
<td>Cioe-Pena, Maria</td>
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<td></td>
<td>6/1/2020</td>
<td>6/30/2022</td>
<td>$49,947</td>
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<td>Matthews, Jamsa</td>
<td>Belonging-Centered Instruction: An Approach to Establishing Inclusive Mathematics Classrooms</td>
<td>New Venture Fund - Subaward to North Carolina State University</td>
<td>9/1/2019</td>
<td>6/30/2021</td>
<td>$324,956</td>
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<tr>
<td></td>
<td>Reznitskaya, Alina</td>
<td>The Rational Force Model: A New Analytic Approach to Assessing and Teaching Argumentative Writing in Elementary Classrooms</td>
<td>Swedish Research Council - Subaward from Lulea Tekniska Universitet</td>
<td>1/1/2021</td>
<td>12/31/2024</td>
<td>$113,284</td>
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<td></td>
<td>Reznitskaya, Alina</td>
<td>Writing to Argue, Arguing to Write: Understanding the Reciprocal Relationship Between Dialogue and Writing to Improve Argumentative Writing Instruction</td>
<td>Spencer Foundation - Subaward from Ohio State University</td>
<td>7/1/2020</td>
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<td>The Impact of gentrification on mathematics achievement of Latino high school students</td>
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<td>Hodge, Emily</td>
<td>From Crisis Learning to Distance Learning: Lessons from Leading PreK-12 Districts Using Open Educational Resources</td>
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<td>Reid, Robert</td>
<td>The Paterson (NJ) / Montclair State University Substance Misuse, HIV, and Viral Hepatitis (VH) Prevention Navigator Initiative for Racial/Ethnic Minorities Ages 13-24</td>
<td>US Department of Health &amp; Human Services/SAMHSA - Subawards to University of New Mexico, Rutgers University</td>
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<td>Urban, Jennifer</td>
<td>Greater Good in Action 2.0: Making the Science of Character Virtue More Practical, Engaging and Impactful</td>
<td>John Templeton Foundation - Subaward from University of California, Berkeley</td>
<td>7/1/2020</td>
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<td>Urban, Jennifer/Chatterjee, Patrali (SIBUS)/Luner, Miriam</td>
<td>Proposal to Evaluate the Children's Hospital of Philadelphia's Center for Parent and Teen Communication: Translation and Dissemination Core</td>
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<td>Blumberg, Renata</td>
<td>CARER: Examining the Embedded Geographies of Local Food Across the Rural-Urban Interface</td>
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<td>Kernighan, Adrian</td>
<td>Development of Fact Sheets: Current Data Regarding Almond Storage</td>
<td>Almond Board of California</td>
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<td>Maloney, Tanya</td>
<td>Navigating Race: Understanding How Teachers of Color Learn to Teach for Racial and Social Justice</td>
<td>National Academy of Education</td>
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<td>Maloney, Tanya/Picower, Brea/Robinson, Jennifer (Center of Pedagogy)</td>
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<td>Shin, Minsun</td>
<td>Teacher Beliefs and Classroom Discipline: The Impact of Functional Contextual Thinking (FCT) on Effective and Equitable Practices</td>
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**COLLEGE OF HUMANITIES AND SOCIAL SCIENCES (CHSS)**

**Anthropology**

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<tr>
<td>Borgerston, Cortni/Ardema, Matthew (CSAM)</td>
<td>CNH-Q: Novel Edible Insects (Zanna tenebrosa) for Reducing the Illegal Hunting of Threatened Primates and Improving Food Security in Sub-Saharan Africa</td>
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<td><strong>Communication Sciences and Disorders</strong></td>
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<td>Predictive Validity of Language Assessments at Age 3</td>
<td>National Institutes of Health (R01)</td>
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<td>Hitchcock, Elaine</td>
<td>Biofeedback Enhanced Treatment for Speech Sound Disorder: Randomized Controlled Trial and Delineation of Sensorimotor Subtypes</td>
<td>National Institutes of Health (R01) - Subaward from New York University</td>
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<td>Koehnke, Janet</td>
<td>New Jersey Hearing Aid Project 2019-2022</td>
<td>NJ Department of Human Services</td>
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<td><strong>History</strong></td>
<td>Carnvale, Nancy/Brash, Julian (Anthropology)</td>
<td>Re-Envisioning Urban Spaces (RUS)</td>
<td>National Endowment for the Humanities</td>
<td>7/1/2020</td>
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<td>An Assessment Challenge Support Model of Leadership Development; Integrating a Servant Leadership Orientation</td>
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<td>Reyes-Portillo, Jazmin/Masai, Carrie/ly, Jude (Student SVCS)</td>
<td>Increasing Engagement of College Students At-Risk for Suicide in Online Intervention</td>
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<td>Cognitive and neural mediators of working and long-term memory impairment in TBI</td>
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<td>Effects of effort-based learning on fatigue and striatal activation in MS</td>
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<td>MRI markers of feedback timing during learning in individuals with TBI with and without clinical depression</td>
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<td>Neuroimaging of hippocampally mediated memory dysfunction in multiple sclerosis</td>
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<td>The Effects of Effort on Fatigue and Striatal Activation in Individuals with Chronic TBI</td>
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<td>Modeling plea decisions: Using computational science to enhance the impact of guilty-plea research</td>
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<td>Clatterbuck, Mark</td>
<td>Faith on the Frontlines: Religious Eco-Activism in an Age of Climate Crisis</td>
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<td>Rogers, Dorothy</td>
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<td>Filmed Religion: Filming Religious Services for Classroom Use</td>
<td>Wabash Center for Teaching Theology and Religion</td>
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**Total Proposals for OHSS: 38**

**Total for OHSS: $11,585,850**
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<td>Eric Forgoston</td>
<td>Collaborative Research: Controlling Single and Multiple Microrobots Through Magnetic Field Design</td>
<td>National Science Foundation - Collaborative with University of Pennsylvania</td>
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<td>A better understanding of emerging insecticide resistance in flea vectors of plague will improve management of the endangered black-footed ferret</td>
<td>Morris Animal Foundation - Subaward to University of South Dakota</td>
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<td>TRTech-PGR: A single gene knock-out resource for maize: filling gaps in the genome with targeted Di-GFP insertions</td>
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<td>Data to Action: tracking sources of bacteria in the Musconetcong Watershed to guide water quality restoration and protection actions</td>
<td>NJ Department of Environmental Protection - Subaward to Musconetcong Watershed Association</td>
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<td>Dioxaporphycenes: Super Two-Photon Absorbers for Photodynamic Therapy</td>
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<td>Jinshan/Deng, Yang [EAEIS/Goodey, Nina/Rotella, David/Wu, Meiying]</td>
<td>MRI: Acquisition of a Triple Quadrupole UPLC/MS/MS System at Montclair State University</td>
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<td>Developing STEM Literacy and Career Paths through Inclusive Team Internships</td>
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<td>Nina/Garman, Diane (Student) Goodey, Nina/O’Neil, Glen/Rotella, David/Schneemeyer, Lynn/Siekerka, John</td>
<td>Activation of soil enzymes by addition of artificial root exudate compounds</td>
<td>Graduate Women in Science</td>
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<td>OPEN-NI: R: Access, research skills, and professional development: pathways to achievement in chemical industries</td>
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<td>Development of Novel HDAC3 Inhibitors for Alzheimer’s Disease</td>
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<td>Pharmacologic Inhibition of PDE11A for Age-Related Memory Disorders</td>
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<td>Clean Energy and Sustainability Analytics Center</td>
<td>Pankaj/Birur, Dipti/Forgoston, Eric Lal [Applied Math &amp; Stat]/Andrada</td>
<td>Program Evaluation of the New Jersey Board of Public Utilities' Energy Assistance Programs</td>
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<td>Computer Science</td>
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<td>Develop an Actionable Plan for Underserved Communities for New Jersey to Access Clean Transportation through Plug-In Electric Vehicles (PEVs)</td>
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<td>Dong, Boxiang</td>
<td>CRII: SaTC: RUII: Towards Self-Explanatory Anomaly Detection</td>
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<td>CRII: CSR: RUI: Models, Theories, and Algorithms for Practical and Efficient Edge Computing Systems</td>
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<td>REU Site: Underpinning Technologies, Major Challenges, and Pressing Issues in Big Data Computing</td>
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<td>Collaborative Research: Improving Gender Diversity in Free/Libre or Open Source Software (FLOSS) Projects</td>
<td>National Science Foundation - Collaborative with Wayne State University</td>
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<td>National Science Foundation</td>
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<td>Zhu, Michelle/Courteras, Constantine/Wang, Wottian</td>
<td>Learn and Build Artificial Intelligence-inspired Robots: A Scalable Framework to Support Equitable Computer Science Learning Environments for High School in New Jersey</td>
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<td>CyberTraining: Implementation: Small: Preparing Cross-disciplinary Research Workforce in Machine Learning for Earth and Environmental Sciences</td>
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<td>Understanding shrub-fire interactions in an increasingly fire-prone Arctic</td>
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<td>Cui, Ying</td>
<td>Collaborative Research: Quantifying the carbon emission and sequestration rate after a large CO2 pulse from the Siberian Traps volcanism</td>
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<td>Diagnosing the timing and drivers of the Paleocene-Eocene Thermal Maximum in the Eastern Tethys</td>
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<td>Acquisition of a Triple Quadrupole LC/MS System for Enabling Education and Research Training in Safe Water for Food Production at MSU</td>
<td>US Department of Agriculture - National Institute of Food and Agriculture</td>
<td>6/1/2020</td>
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<td>Addressing Multiple Issues Associated with Leachate Organic Matter using a Revolutionsized Technology - Advanced Reduction Processes (ARP)</td>
<td>Environmental Research and Education Foundation</td>
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<td>Food Waste to Biochar via Pyrolysis: Reduction of New Jersey Food Waste for Beneficial Agricultural and Environmental Reuses</td>
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<td>EFRI DChem Preliminary Proposal: Intensified and Modular Water Treatment Systems Based on Ferrate(VI) and Catalytic Nanomaterial</td>
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<td>Recycling Stormwater for the Irrigation of Urban Agriculture through Reusing Agricultural Wastes and Municipal Sewage Sludge</td>
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<td>West Antarctic Ice Sheet behavior across the Pliocene Climatic Optimum</td>
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<td>Developing Geographically Weighted Panel Regression Approaches to Analyze Spatially Varying Coefficient Process in GeoPanel Data for Social Scientists</td>
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<td>Develop an Ultrasonic Technology for Control of Harmful Algal Blooms and mitigate its impacts</td>
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<td>NJ Water Supply Authority</td>
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<td>PRE PROPOSAL: Action Planning to Protect Drinking Water Supplies and Promote Recreational Access in the Hunterdon County Reach of the Musconetcong River</td>
<td>NJ Highlands Council - Subaward to Musconetcong Watershed Association</td>
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<td>Ghosh, Shaon</td>
<td>RUI: WoJ-MMA: Multi-messenger astronomy and astrophysics with gravitational-wave data</td>
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<td>National Aeronautics and Space Administration - Subaward from New Mexico State University</td>
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<td>Partnered Internships: Including Families, Faculty, and Industry in STEM Education to Improve Success in STEM Career Pathways</td>
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<td>Building Diverse FANH Workforces through Experiential Training in Ag-Analytics and Nutrition Science</td>
<td>USDA/National Institute of Food and Agriculture</td>
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<td>Robert Wood Johnson Foundation - Subaward from Old Dominion University Research Foundation</td>
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<td>Paz Goldfarb, Katia</td>
<td>Conexiones: Developing Institutional Capacity for Student Success at Montclair State University</td>
<td>US Department of Education</td>
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<td>Paz Goldfarb, Katia/Rivera Rodas, Elizabeth (CHSS)/Riuszczyk, Stephen (CHSS)</td>
<td>Build and Broaden: The Long-Term Impact of COVID-19 in Hispanic Communities in the Tri-State Area</td>
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<td>Campus Care Grant: A collaboration with the Office of the Dean of Students, Office of Residence Life, and the National Association of College Auxiliary Services to support housing insecurity for emancipated and independent students</td>
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<td>A Model to Eliminate Food Insecurity in New Jersey Higher Education</td>
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<td>Growing Relational Virtues in Parents and Children - Supplement</td>
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Total for Center for Community Engagement: $250,041

Total for CART: $489,464

The Office of Sponsored Programs
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Awards FY20
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<td>Bimbaum, Amanda</td>
<td>Paterson Grow Healthy</td>
<td>US Environmental Protection Agency - Subaward from Rutgers University</td>
<td>9/1/2019</td>
<td>6/30/2020</td>
<td>$5,000</td>
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<td>Leech, Tamara</td>
<td>Partnership for Success - Supplement</td>
<td>US Department of Health &amp; Human Services/SAMHSA - Subaward from Indiana University</td>
<td>8/1/2017</td>
<td>6/30/2020</td>
<td>$20,573</td>
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<td>Teaching and Learning</td>
<td>Freedson, Margaret</td>
<td>International Consortium for Multilingual Excellence in Education (ICMEE) - Supplement</td>
<td>US Department of Education - Subaward from University of Nebraska-Lincoln</td>
<td>9/1/2019</td>
<td>8/31/2020</td>
<td>$15,000</td>
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<td>Larkin, Douglas/Adams, Sandra (CSAM)</td>
<td>Studying the Retention of Novice Science Teachers by Learning from School District Induction and Mentoring Programs - Years 4 &amp; 5</td>
<td>National Science Foundation</td>
<td>8/15/2018</td>
<td>7/31/2023</td>
<td>$368,602</td>
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<td>COLLEGE OF HUMANITIES AND SOCIAL SCIENCES (CHSS)</td>
<td>Hitchcock, Elaine</td>
<td>Biofeedback-Enhanced Treatment for Speech Sound Disorder: Randomized Controlled Trial and Delineation of Sensorimotor Subtypes - Year 2</td>
<td>National Institutes of Health (R01) - Subaward from New York University</td>
<td>1/1/2020</td>
<td>12/31/2020</td>
<td>$284,540</td>
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<td>Psychology</td>
<td>Sandy, Joshua</td>
<td>Cognitive and neural mediators of working and long-term memory impairment in TBI: Year 1</td>
<td>NJ Department of Health - Subaward to Kessler Foundation</td>
<td>4/1/2020</td>
<td>3/31/2023</td>
<td>$152,215</td>
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<td>Sandy, Joshua</td>
<td>Neuroimaging of Hippocampally Mediated Memory Dysfunction in Multiple Sclerosis</td>
<td>National Multiple Sclerosis Society - Subaward to Kessler Foundation</td>
<td>10/1/2019</td>
<td>9/30/2020</td>
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<td>Sandy, Joshua</td>
<td>Neuroimaging of Hippocampally Mediated Memory Dysfunction in Multiple Sclerosis</td>
<td>National Multiple Sclerosis Society - Subaward to Kessler Foundation</td>
<td>10/1/2020</td>
<td>9/30/2023</td>
<td>$451,216</td>
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<td>Yang, Yingying</td>
<td>A Profile of Spatial Abilities in People with Down Syndrome and Their Correlations with Everyday Behavior: Year 1</td>
<td>National Institutes of Health (SC1)</td>
<td>5/1/2020</td>
<td>4/30/2021</td>
<td>$145,000</td>
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<td>Zottoli, Tira/Baxter, Michael</td>
<td>Modeling plea decisions: Using computational science to enhance the impact of guilty-plea research</td>
<td>American Psychology-Law Society</td>
<td>9/1/2020</td>
<td>2/28/2022</td>
<td>$33,667</td>
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<td>Religion</td>
<td>Clatterbuck, Mark</td>
<td>Faith on the Frontlines: Religious Eco-Activism in an Age of Climate Crisis</td>
<td>The Louisville Institute</td>
<td>1/1/2020</td>
<td>12/31/2021</td>
<td>$30,000</td>
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<td>Lytle, Nicole/Dickinson, Jason (Psychology)</td>
<td>Reliability of Evidence and Testimony in Child Maltreatment Cases - Year 1</td>
<td>National Science Foundation - Subaward to Central Michigan University</td>
<td>3/1/2020</td>
<td>2/28/2023</td>
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<td>Shpiegel, Svetlana</td>
<td>Support research on repeat childbirth among females emancipating from foster care</td>
<td>Annie E. Casey Foundation</td>
<td>3/1/2020</td>
<td>2/28/2021</td>
<td>$15,431</td>
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<td>Sociology</td>
<td>Besen-Cassino, Yasemin</td>
<td>Contemporary Sociology Editorialship - Year 2</td>
<td>American Sociological Association</td>
<td>1/1/2020</td>
<td>12/31/2020</td>
<td>$54,500</td>
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<td>COLLEGE OF SCIENCE AND MATHEMATICS (CSAM)</td>
<td>Ivanescu, Andrada</td>
<td>Statistical analysis of QTVI data during sleep</td>
<td>Johns Hopkins University</td>
<td>7/1/2019</td>
<td>6/30/2020</td>
<td>$30,000</td>
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<td>Biology</td>
<td>Molina, Carlos</td>
<td>Post-translational Regulation of Inducible cAMP Early Repressor and its Implications in Cancer - Year 3</td>
<td>National Institutes of Health (SC1)</td>
<td>5/1/2020</td>
<td>4/30/2021</td>
<td>$321,219</td>
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<td>Schuler, Matthew</td>
<td>Understanding the association between salt contamination and heavy metal contamination in drinking wells in New Jersey</td>
<td>NJ Department of Health - Subaward from Rutgers University/NJ Water Resources Research Institute</td>
<td>8/1/2019</td>
<td>7/31/2020</td>
<td>$15,000</td>
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<td>Chemistry and Biochemistry</td>
<td>Gindt, Yvonne</td>
<td>DNA Repair under Extreme Conditions - Extended Studies - Year 3</td>
<td>National Aeronautics and Space Administration - Subaward from Temple University</td>
<td>9/1/2019</td>
<td>8/31/2020</td>
<td>$34,747</td>
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<td>Gooday, Nina/Emery, Elizabeth (CHSS)/Tuininga, Amy (PSEG Institute for Sustainability Studies)</td>
<td>Developing STEM Literacy and Career Paths through Inclusive Team Internships</td>
<td>National Science Foundation</td>
<td>9/1/2020</td>
<td>8/31/2023</td>
<td>$600,000</td>
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<td>O’Neill, Glen</td>
<td>CAREER: Engineering Light Addressable Electrochemical Sensors for Imaging Chemical Neurotransmission - Years 1 - 4</td>
<td>National Science Foundation - Subaward to NJ Institute of Technology</td>
<td>3/1/2020</td>
<td>2/28/2025</td>
<td>$401,491</td>
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<td>College/Division and Department</td>
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<td>Sponsor Name</td>
<td>Start Date</td>
<td>End Date</td>
<td>Amount Awarded</td>
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<td>Rotella, David/, Siekerka, John</td>
<td>Development of Inhibitors of P.: falciparum cGMP dependent protein kinase (PPPK) for malaria chemoprevention - Year 3</td>
<td>National Institutes of Health (R01) - Subaward from Rutgers University</td>
<td>8/1/2019</td>
<td>7/31/2020</td>
<td>$253,047</td>
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<td>Siekerka, John</td>
<td>Cegeline Corporation Sponsored Research Agreement: Development of Anti-Parasitic Drugs - Supplement</td>
<td>Cegeline Corporation</td>
<td>1/1/2020</td>
<td>6/30/2020</td>
<td>$79,400</td>
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<td>Clean Energy and Sustainability Analytics Center</td>
<td>Lal, Pankaj/Brur, Dileep</td>
<td>The Clean Energy and Sustainability Analytics Center (CESAC): To Advance Research on the Sustainable Clean-Energy Economy - Supplement</td>
<td>NJ Board of Public Utilities</td>
<td>1/31/2020</td>
<td>4/30/2020</td>
<td>$39,970</td>
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<td>Lal, Pankaj/Brur, Dileep/Wolde, Bernabas</td>
<td>To Perform RGGI Related Economic and Energy Dispatch Modeling</td>
<td>NJ Board of Public Utilities - Subaward to Argonne National Laboratory</td>
<td>7/1/2019</td>
<td>3/31/2020</td>
<td>$231,865</td>
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<td>Earth and Environmental Studies</td>
<td>Brachfeld, Stefanie</td>
<td>Antarctic Ice Sheet Dynamics tracked by Lithic Clast and Fe-oxide Provenance</td>
<td>National Science Foundation - Subaward from Columbia University</td>
<td>12/1/2019</td>
<td>2/28/2021</td>
<td>$14,905</td>
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<td>Chopping, Mark</td>
<td>Forest and Shrub Mapping with MIR - Supplement</td>
<td>National Aeronautics and Space Administration - Subaward from California Institute of Technology</td>
<td>3/30/2020</td>
<td>12/1/2020</td>
<td>$39,615</td>
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<td>Deng, Yang</td>
<td>Acquisition of a Triple Quadrapole LC/MS System for Enabling Education and Research Training in Safe Water for Food Production at MSU</td>
<td>US Department of Agriculture</td>
<td>6/1/2020</td>
<td>6/14/2023</td>
<td>$149,239</td>
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<td>Lal, Pankaj</td>
<td>Achieving green growth through terrestrial natural capital restoration</td>
<td>Deutsche Gesellschaft fur Internationale Zusammenarbeit (GIZ) GmbH</td>
<td>11/1/2019</td>
<td>4/30/2020</td>
<td>$70,052</td>
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<td>Lorenzo Trueba, Jorge</td>
<td>Collaborative Research: From Surface Dynamics to Strata: Quantifying the Signals of Surface Processes in Space and Time - Year 2</td>
<td>National Science Foundation - Collaborative with University of Central Florida, University of Connecticut, University of New Mexico</td>
<td>7/15/2019</td>
<td>6/30/2021</td>
<td>$71,395</td>
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<td>Lorenzo Trueba, Jorge/Cortes, Isamar (Student)</td>
<td>Exploring the Role of Evaporation and Precipitation on Mangrove Island Morphology - Year 1</td>
<td>National Aeronautics and Space Administration</td>
<td>9/5/2019</td>
<td>11/5/2020</td>
<td>$64,000</td>
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<td>Passchier, Sandra</td>
<td>U.S. Science Support Program Office-associated with the International Ocean Discovery Program (USSSP-IODP) - Supplement</td>
<td>National Science Foundation - Subaward to Columbia University</td>
<td>1/1/2019</td>
<td>2/29/2020</td>
<td>$17,951</td>
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<td>PSEG Institute for Sustainability Studies</td>
<td>Tuininga, Amy/Besen-Cassino, Yasemin (CHSS)/Billings, Lora (Dean's Office)/Goodey, Nina (Chem &amp; Biochem)</td>
<td>Partnered Internships: Including Families, Faculty, and Industry in STEM Education to Improve Success in STEM Career Pathways - Years 1-3</td>
<td>National Science Foundation</td>
<td>6/1/2020</td>
<td>5/31/2025</td>
<td>$1,238,389</td>
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<td>Total Awards for CSAM: 21</td>
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<td>FELICIANO SCHOOL OF BUSINESS (SBUS)</td>
<td>Zhang, Junzhou</td>
<td>Understanding Wic Participants' App Usage and Benefit Redemption Behavior</td>
<td>Duke University - Subaward from Old Dominion University Research Foundation</td>
<td>8/1/2019</td>
<td>7/15/2020</td>
<td>$15,000</td>
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<td>Marketing</td>
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<td>LIBRARY SERVICES</td>
<td>Shapiro, Steven</td>
<td>New Jersey and the birth of the Atomic Age</td>
<td>Essex County Department of Parks, Recreation, and Cultural Affairs</td>
<td>1/1/2020</td>
<td>12/31/2020</td>
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<td>OFFICE OF INTERNATIONAL ENGAGEMENT</td>
<td>Dominguez, Domenica</td>
<td>Erasmus+ with University of Graz, Call 2019: Application for funding within Key Action 1 - International Credit Mobility</td>
<td>Erasmus+ - Subaward from University of Graz, Austria</td>
<td>7/1/2019</td>
<td>6/30/2021</td>
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<td>Total Awards for Office of International Engagement: 1</td>
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<td>PROVOST'S OFFICE</td>
<td>Gingerich, Willard/Dickinson, Jason (CHSS)/Deoliva, Saliya (CSAM)/Dos Santos, Joana (Facilities)</td>
<td>Growing Apprenticeship in Non-traditional Sectors (GAINS): MSU New Jersey DOE Apprenticeship Program (MAP)</td>
<td>NJ Department of Labor and Workforce Development</td>
<td>3/1/2019</td>
<td>2/28/2020</td>
<td>$523,380</td>
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<td>College/Division and Department</td>
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<td>UNIVERSITY COLLEGE</td>
<td>Hood, David/Insalaco-Egan, Danielle</td>
<td>Advising 2025: Creating a Coordinated Care Network for Student Success - Year 1</td>
<td>US Department of Education</td>
<td>10/1/2019</td>
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<td>STUDENT DEVELOPMENT AND CAMPUS LIFE (SDCL)</td>
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<td>Project Suicide Awareness Violence Education and Response (Project SAVER) at Montclair State University - Year 3</td>
<td>US Department of Health &amp; Human Services/SAMHSA</td>
<td>9/30/2019</td>
<td>9/29/2020</td>
<td>$102,000</td>
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<td>Counseling &amp; Psychological Services</td>
<td>Uy, Jude/Friedman-Lombardo, Jaclyn</td>
<td>Supporting Students in Recovery: Recovery Housing and Supports to Prevent and Reduce Substance Abuse on College Campuses in New Jersey</td>
<td>NJ Department of Human Services</td>
<td>9/1/2019</td>
<td>6/30/2020</td>
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<td>Residential Life</td>
<td>Schafer, Kevin/Cascarano, Marie (Health Promotion)</td>
<td>Total Awards for SDCL: 2</td>
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<td>UNIVERSITY FACILITIES</td>
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<td>Project NIHCN Healthy Eating &amp; Active Living Strategies for MSU</td>
<td>Partners for Health Foundation</td>
<td>1/27/2020</td>
<td>12/31/2021</td>
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<td>Capital Planning &amp; Project Management</td>
<td>Cochran, Adeline</td>
<td>Total Awards for Facilities: 1</td>
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**TOTAL AWARDS: 70**