# External Funding Projects

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Research Project Title</th>
<th>Year</th>
<th>Funding Agency</th>
<th>Principal Investigator/Co-Investigator</th>
<th>Outlay (Rs in lakhs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>“Medical Exposure to the population around proposed Nuclear Power Plant Site at Jaitapur, due to diagnostic applications”</td>
<td>2009</td>
<td>BRNS, Mumbai dt. 23.03.2009</td>
<td>Dr. R.J. Khyalappa M.D. (Medicine) Dr. Mrs. M.A. Burande M.D. (Pharmacology)</td>
<td>27.13</td>
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<tr>
<td>2</td>
<td>“Studies on Establishment of Baseline Levels of Radiation &amp; Radioactivity and Assessment of Radiation Doses Due to Natural and Fallout Radioactivity Around JNPP up to A Distance Of 30 Km From Site”</td>
<td>2009</td>
<td>BRNS, Mumbai dt. 23.03.2009</td>
<td>Prof. Dr. S.H. Pawar M.Sc. Ph.D., FICC, FMASc Dr. Mrs. P.N. Pawaskar M.Sc., Ph.D.</td>
<td>46.55</td>
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<td>3</td>
<td>“Baseline Survey on Epidemiological Aspects In Jaitapur Region”</td>
<td>2009</td>
<td>BRNS, Mumbai dt. 23.03.2009</td>
<td>Dr. V. S. Patil M.D. (PSM), DPH Dr. V. R. Patkar MBBS</td>
<td>26.39</td>
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<td>4</td>
<td>“Studies on Synthesis of CoFe2O4 magnetic nanoparticles using magnetotactic bacteria for biomedical applications”</td>
<td>2010</td>
<td>DST, New Delhi dt. 16.11.2010</td>
<td>Prof. Dr. S.H. Pawar M.Sc. Ph.D., FICC, FMASc Dr. Smt. S. J. Ghosh M.Sc. Ph.D.</td>
<td>20.78</td>
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<td>5</td>
<td>“Fabrication and performance studies of co-planar single chamber SmSrCoO3/BiCuVOx/Ni-SDC SOFC unit cell”</td>
<td>2011</td>
<td>DRDO, New Delhi dt. 15.09.2011</td>
<td>Prof. Dr. S.H. Pawar M.Sc. Ph.D., FICC, FMASc</td>
<td>4.81</td>
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<td>6</td>
<td>“Development of an electrochemical immunosensor using functionalized magnetic nanoparticles for detection of tumor markers”</td>
<td>2011</td>
<td>DST, New Delhi dt. 10.10.2011</td>
<td>Prof. Dr. S. H. Pawar M.Sc. Ph.D., FICC, FMASc Dr. S. A. Murchite M.S. (Surgery)</td>
<td>89.30</td>
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<td>7</td>
<td>“Study of PU/PVDF Nanoscaffolds Loaded with Anti-Microbial Agents for Wound Dressing Application” (2012-present)</td>
<td>2012</td>
<td>UGC, New Delhi 06.06.2012</td>
<td>Ms. Jagruti Meshram (RGNF)</td>
<td>10.44</td>
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<td>8</td>
<td>“Studies on Synthesis of Mg-Mn Ferrite Nanoparticles by”</td>
<td>2012</td>
<td>CSIR-SRF, New Delhi</td>
<td>Mr. Vishwajeet Khot</td>
<td>8.37</td>
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<td>Outlay (Rs in lakhs)</td>
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<tr>
<td>1</td>
<td>Chemical Route for Hyperthermia therapy applications” (2012-2013)</td>
<td>16.04.2012</td>
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<td>9</td>
<td>Investigating avenues of working together in the field of PG medical education</td>
<td>9</td>
<td>Anglia Ruskin University, England</td>
<td>Prof. S.H. Pawar</td>
<td>6.00</td>
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<td>10</td>
<td>Scaling early childhood development through AWC in India</td>
<td>10</td>
<td>Grand challenges Canada gates foundation</td>
<td>PI Dr Abhay Gaidhane , Co PI Dr S Z Quazi and Dr P B Behere</td>
<td>12.45</td>
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<td>11</td>
<td>Tribal health and research</td>
<td>11</td>
<td>Wild land conservation Trust, Mumbai</td>
<td>PI Dr S Z Quazi , CO PI Dr Abhay Gaidhane and Dr P B Behere</td>
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<td>12</td>
<td>SPHERES</td>
<td>12</td>
<td>Harvard University</td>
<td>PI Dr Abhay Gaidhane , Co PI Dr S Z Quazi and Dr P B Behere</td>
<td>19.15</td>
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<td>13</td>
<td>Rapid Diagnosis Neonated and Gynaec</td>
<td>13</td>
<td>USAID through Harvard university</td>
<td>PI Dr S Z Quazi Co-PI Dr A. Jaiswal Dr S. Dhamke Dr P B Behere</td>
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<td>14</td>
<td>Biological synthesis of selenium nanoparticles and evaluation of their antimicrobial activity (2013-2018)</td>
<td>14</td>
<td>UGC –NET-JRF UGC, New Delhi</td>
<td>Mr. Nayeem Mulla</td>
<td>18.942</td>
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<td>15</td>
<td>Major Histocomptability class I chain antigen A and B Biomarker study for cancer</td>
<td>15</td>
<td>DST, New Delhi</td>
<td>Dr M.G. Joshi</td>
<td>37.00</td>
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<td>16</td>
<td>MicroRNA profiling of human endometrium at tissue and cellular level: Identifying the microRNA regime regulating stem cell proliferation and differentiation in endometrial hyperplasia conditions</td>
<td>16</td>
<td>DST, New Delhi</td>
<td>Dr Indumati Somusundaram</td>
<td>20.25</td>
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<td>17</td>
<td>Supercapacitor with rare earth metal sulfides/graphene hybrid thin films: fabrication and performance evaluation</td>
<td>17</td>
<td>DST, New Delhi</td>
<td>Prof C D Lokande</td>
<td>36.00</td>
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<td>18</td>
<td>Solid lipid encapsulated</td>
<td>18</td>
<td>DST, New</td>
<td>Dr Arvind Gulbake</td>
<td>32.84</td>
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<td>Sr. No.</td>
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<td>19</td>
<td>Magnetic nanoparticle based hyperthermia and dual drug therapy for colon cancer</td>
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<td>20</td>
<td>Freestanding 3D porous Graphene Foam (GF) electrodes decorated by Pseudocapacitive Materials (PCMs) for high energy and power density hybrid supercapacitors.</td>
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<td>21</td>
<td>Development of new scaffolds for anticancer therapeutics.</td>
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<td>22</td>
<td>Effect Of Allopurinol And Febuxstat On Diabetic Nephropathy In Laboratory Animal Model</td>
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<td>23</td>
<td>Development of flexible asymmetric supercapacitor with energy density (15 Whkg(^{-1})) and power density (1,000Wkg(^{-1})).</td>
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<td>24</td>
<td>Green supercapacitors for renewable energy storage - An international collaboration between Mid Sweden University, Sweden and D. Y. Patil Education Society (Deemed to be University), India.</td>
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<th>Year</th>
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<tbody>
<tr>
<td>2017</td>
<td>DST Inspire Faculty Fellow</td>
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<td>2017</td>
<td>Ramanujan Fellowship, DST-SERB, New Delhi</td>
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<td>2017</td>
<td>RGST</td>
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<td>2018</td>
<td>DST, New Delhi</td>
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<td>2018</td>
<td>Swedish Foundation for International Cooperation in Research and Higher Education (STINT), Sweden</td>
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<tr>
<td>Dr. U.M. Patil</td>
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<td>Dr. Jayavant L. Gunjakar</td>
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<td>Dr. Indumathi Somasundaram</td>
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<td>Dr. M. Abdel, Egypt Host: Dr. Mrs. M.A. Burande</td>
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<tr>
<td>PI-Dr. C. D. Lokhande Co-PI-Dr. U. M. Patil Co-PI-Dr. Manisha Phadatare</td>
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<td>PI- Dr. Manisha Phadatare Co-PI- Prof. C. D. Lokhande</td>
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<tr>
<th>Outlay (Rs in lakhs)</th>
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<tbody>
<tr>
<td>108</td>
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<td>108</td>
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Total Amount Rs 773.082 Lakhs