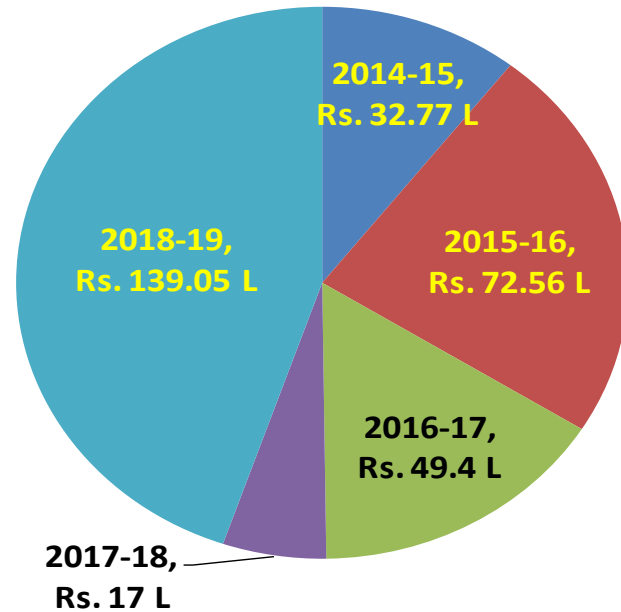


# Resource Mobilization for Research



Total Grants for research projects sponsored by the government sources:  
**Rs. 310.78 Lakhs**

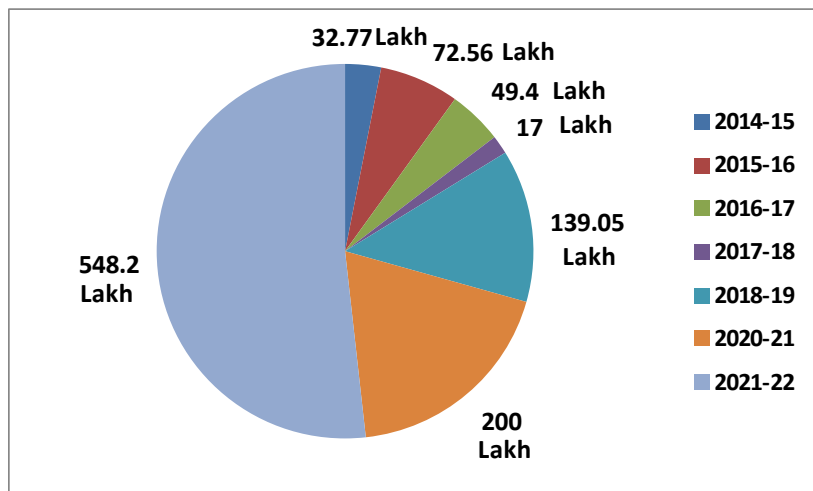
## Funds From Shivaji University, Kolhapur

| Name of the Investigator | Amount sanctioned | Funding Agency                                           |
|--------------------------|-------------------|----------------------------------------------------------|
| Dr. T. D. Dongale        | Rs. 1,50,000/-    | Research Initiation Scheme, Shivaji University, Kolhapur |
| Dr. P. J. Patil          | Rs. 1,30,000/-    |                                                          |
| Mr. M. N. Padvi          | Rs. 1, 25, 000/-  |                                                          |

## Funds From National Funding Agencies

| Name of the Investigator                                               | Amount sanctioned    | Funding Agency                            |
|------------------------------------------------------------------------|----------------------|-------------------------------------------|
| Prof. P. S. Patil (PI)<br>Dr. K. K. Sharma and Dr. K. D. Pawar (Co-PI) | Rs. 1, 35, 00, 000/- | SPD-RUSA, Maharashtra                     |
| Dr. K. K. Sharma (Principal Investigator)                              | Rs. 24, 77, 000/-    | DST-Fast Track Scheme for Young Scientist |
| Dr. K. K. Sharma (Principal Investigator)                              | Rs. 8,00, 000/-      | UGC-DAE, CSR                              |
| Dr. K. K. Sharma ( Co-Investigator)                                    | Rs. 17, 00, 000/-    | ISRO-UoP                                  |
| Dr. K. D. Pawar (Principal Investigator)                               | Rs. 16,06,500/-      | UGC                                       |
| Dr. K. D. Pawar (Principal Investigator)                               | Rs. 6,00,000/-       | UGC-BSR Research Start-Up-Grant project   |
| Dr. K. D. Pawar (Principal Investigator)                               | Rs. 31,30,000/-      | DST-SERB                                  |
| Dr. A. D. Sheikh                                                       | Rs. 35, 00, 000/-    | DST-INSPIRE                               |
| Dr. S. A. Walujkar                                                     | Rs. 14,40,000/-      | DST-SERB (N-PDF)                          |
| Dr. S. Y. Chhatre                                                      | Rs. 19,20,000/-      | DST-SERB (N-PDF)                          |

# Resource Mobilization for Research



**Total Grant Mobilized: Rs. 10.58 Cr.**

| Name of the Investigator | Title of the project and duration                         | Amount sanctioned | Funding Agency                                           |
|--------------------------|-----------------------------------------------------------|-------------------|----------------------------------------------------------|
| Dr. T. D. Dongale        | Investigations ..... RRAM Application                     | Rs. 1,50,000/-    | Research Initiation Scheme, Shivaji University, Kolhapur |
| Dr. P. J. Patil          | Mathematical Modeling and Simulation ..... Memory Devices | Rs. 1,30,000/-    |                                                          |
| Mr. M. N. Padvi          | Nanoparticle sesitized .... application                   | Rs. 1, 25, 000/-  |                                                          |

## Funds From National Funding Agencies

| Name of the Investigator                                                       | Title of the project and duration                                                                                                                                                 | Amount sanctioned    | Funding Agency                            |
|--------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------------------------------|
| Prof. P. S. Patil ,<br>Dr. K. K. Sharma (PI)<br>and Dr. K. D. Pawar<br>(Co-PI) | Centre for Nanofabrics (2018-21)                                                                                                                                                  | Rs. 1, 35, 00, 000/- | SPD-RUSA, Maharashtra                     |
| Dr. K. K. Sharma<br>(Principal Investigator)                                   | Electrochemical synthesis of noble metal nanoparticles using bio-compatible stabilizers: Evaluation of its effects in the DNA base damage induced by ionizing radiation (2014-16) | Rs. 24, 77, 000/-    | DST-Fast Track Scheme for Young Scientist |
| Dr. K. K. Sharma<br>(Principal Investigator)                                   | Evaluation of Multiplicity in DNA damage formed by Ionizing Radiation: Indirect and Direct Effect (2014-16)                                                                       | Rs. 8,00, 000/-      | UGC-DAE, CSR                              |
| Dr. K. K. Sharma<br>( Co-Investigator)                                         | Conducting polymer supported bimetallic nanostructures for fuel cell and hydrogen storage applications (2017-19)                                                                  | Rs. 17, 00, 000/-    | ISRO-UoP                                  |
| Dr. K. D. Pawar<br>(Principal Investigator)                                    | In vitro production of secondary metabolites from Lotus (2015-17)                                                                                                                 | Rs. 16,06,500/-      | UGC                                       |
| Dr. K. D. Pawar<br>(Principal Investigator)                                    | Isolation & identification of Lignocellulolytic bacteria from the gut of Giant African Snail & their use for the production of bioethanol (2015-16)                               | Rs. 6,00,000/-       | UGC-BSR Research Start-Up-Grant project   |
| Dr. K. D. Pawar<br>(Principal Investigator)                                    | Identification of Gender Specific Molecular Markers in Kokum (Garcina indica Choisy) (2015-17)                                                                                    | Rs. 31,30,000/-      | DST-SERB                                  |
| Dr. A. D. Sheikh                                                               | Perovskite Solar Cell - Earth Abundant Metal Oxide Based Photoanode Tandem Device for Efficient Solar Driven Water Splitting (2017-22)                                            | Rs. 35, 00, 000/-    | DST-INSPIRE                               |
| Dr. S. A. Walujkar                                                             | Molecular investigation of biosynthesis of magnetic nanoparticles from magnetotactic bacteria and their applications                                                              | Rs. 14,40,000/-      | DST-SERB (N-PDF)                          |
| Dr. S. Y. Chhatre                                                              | Electrospun polymeric fibers for nanogenerators and charge storage application                                                                                                    | Rs. 19,20,000/-      | DST-SERB (N-PDF)                          |
| Dr. H.JM. Yadav                                                                | Nomination                                                                                                                                                                        | Rs. 1,19,00,000/-    | SERB (Ramanujan Fellowship)               |

# Research Projects by Faculty (Govt. & Non-Govt)

Total Resource Mobilization for Research (558.20 Lakhs)

- 2020-21: 10 Lakhs
- 2021-22: 548.20 Lakhs



DEPARTMENT OF BIOTECHNOLOGY  
Ministry of Science & Technology  
Government of India



सत्यमेव जयते  
Department of Science and Technology  
Ministry of Science and Technology  
Government of India



विज्ञान एवं प्रौद्योगिकी विभाग  
DEPARTMENT OF  
SCIENCE & TECHNOLOGY



Synergistic Training program Utilizing the  
Scientific and Technological Infrastructure  
(STUTI)



विज्ञान एवं प्रौद्योगिकी विभाग  
DEPARTMENT OF  
SCIENCE & TECHNOLOGY

(DBT Builder, Centre for Nanofabrics, RUSA Sponsored Centre for VLSI Design)

# Consultancy Work

| Sr. No.           | Name of the Consultant | Name of the Consultancy project                                                                                   | Consultancy / Sponsoring agency                | Year    | Revenue Generated (Rs.) |
|-------------------|------------------------|-------------------------------------------------------------------------------------------------------------------|------------------------------------------------|---------|-------------------------|
| 1.                | Dr. K. K. Sharma       | Product Development and Validation of Virus Kavach Fabrics Technology with Antimicrobial and Antiviral Properties | ECOSCIENCE INNOVAIONS PVT. LTD., PUNE          | 2020-21 | 1,00,000/-              |
| 2.                | Dr. K. K. Sharma       | Development of Nexar Polymer Nanocoating for Antimicrobial and Antiviral Properties on Various Substrates         | KRATON POLYMERS LLC, USA                       | 2020-21 | 4,52,423/-              |
| 3.                | Dr. K. K. Sharma       | Product Development and Validation of Nanocoatings on MS Crucible                                                 | CERAFLUX INDIA PVT. LTD., MIDC, Gokul Shirgaon | 2020-21 | 1,72,375/-              |
| Revenue Generated |                        |                                                                                                                   |                                                |         | 7, 24, 798/-            |

**NIFC (Nanoscience Instrumentation Facility Centre)**

**Rs. 2.3 Lakhs**

**Total Revenue Generated: Rs. 9, 54, 798/-**

# Resource Mobilization for Research

## Number of research projects and amount received in the FY-2022-23

| Sr. No.                  | Name of the project           | Name of the principal Investigator   | Year of award | Duration | Funding Agency               | Amount of funds (in Rs) released for year 2022-23 |
|--------------------------|-------------------------------|--------------------------------------|---------------|----------|------------------------------|---------------------------------------------------|
| 1.                       | DBT RRSFP-BUILDER             | Dr. K. D. Pawar (PI)                 | 2020          | 5 Years  | DBT , GOVERNMENT OF INDIA    | 284.99 Lakhs                                      |
| 2.                       | SERB Ramanujan Fellowship     | Dr. H. M. Yadav                      | 2021          | 5 Years  | SERB, Government of India    | 23.80 Lakhs                                       |
| 3.                       | Research Strengthening Scheme | Dr. T. D. Dongale                    | 2021-22       | 2 Years  | Shivaji University, Kolhapur | 2.1 Lakhs                                         |
| 4.                       | Research Strengthening Scheme | Dr. P. J. Patil                      | 2021-22       | 2 Years  | Shivaji University, Kolhapur | 2.45 Lakhs                                        |
| 5.                       | STUTI                         | Dr. T.D. Dongale<br>Dr. K.D. Pawar & | 2022-23       | 1 Years  | DST, Government of India     | 250 Lakhs                                         |
| Total Amount (2022-23) : |                               |                                      |               |          |                              | Rs. 563.34 Lakhs                                  |

## Amount received under the Consultancy Budget in the FY-2022-23

| Name of the Consultant(s) & department  | Name of Consultancy project         | Consulting/Sponsoring Agency | Revenue generated (amount in rupees) |
|-----------------------------------------|-------------------------------------|------------------------------|--------------------------------------|
| School of Nanoscience and Biotechnology | Instruments (NIFC) Facility Charges | Multiple                     | Rs.16,433/-                          |