

**The Institution provides seed money to its teachers for research
The average amount of seed money provided by the Institution to its faculty year-wise
during the last five years (INR in lakhs)**

Sr. No.	Name of the project	Duration of the project	Name(s) of the teacher(s) working in the project receiving seed money	The amount of seed money provided (INR in lakhs)	Year of receiving the seed money
1	Synthesis of rGo/WO ₃ and rGo/ MoO ₃ films for supercapacitors and antimicrobial applications.	3 Year	Prof. C. D. Lokhande	6.3	2022
2	Glutathione-responsive superparamagnetic iron oxide nanoparticles for in vitro magneto-chemotherapy of cancer stem cell.	3 Year	Prof. R. S. Patil (PI) Dr. V. M. Khot (Co-PI)	6.9	2022
3	Synthesis of M-Vanadate/rGO (M=Ni and/or Co) Composite Thin Film Electrode for Hybrid Supercapacitor Device.	3 Year	Dr. Umakant M. Patil	7.2	2022
4	Lattice engineering route for Ni-Fe-layered double hydroxide-polyoxovanadate nanohybrids: Application in electrocatalytic oxygen evolution reaction and device development.	3 Year	Dr. Jayavant L. Gunjekar	7.2	2022
5	Repositioning of anti-depressants as antifungals: a study in Candida albicans.	3 Year	Dr. G. R. Harshe (PI) Prof. S. Mohan Kauppayil (Co-PI)	5.76	2022
6	Glucosinolates as Antifungals: An Exploratory study on Candida albicans.	3 Year	Prof. Dr. S. Mohan Karuppayil	10	2022
7	Targeted Destruction of Cancer Stem Cells by Surface (CD271+) Functionalized Iron Oxide Nanoparticles.	2 Year	Dr. Arpita Pandey Tiwari	10	2020
8	Preparation and Characterization of Herbal Based Scaffolds for full Thickness.	3 Year	Dr. Shivaji Kashte	10	2020
9	Development of Biocompatible Zn _x Fe _{3-x} O ₄ (x=0 to 1) Magnetic Nanocrystals as an Efficient Heating Mediator in Magnetic Hyperthermia.	3 Year	Dr. Vishwajeet Khot	9.9	2020
10	Synthesis and characterization of silicon, nanographite, GO and rGO as an anode material for lithium ion batteries.	3 Year	Dr. Manisha Phadtare	9.99	2019
11	Studying the effect of CD146 and its isoforms in endometrial stem cell derived angiogenesis for their vascular regeneration.	3 Year	Dr. Indumathi Somasundaram	10	2019
12	Identification of molecular targets of bioactive molecules in Candida albicans to inhibit Biofilm formation.	3 Year	Dr. Ashwini Jadhav	9.75	2019

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13	Transition metal oxide based electrodes for ultrahigh energy (60 Whkg-1) targeted asymmetric supercapacitor.	3 Year	Prof. C. D. Lokhande	8.1	2018
14	Synthesis of nickel-cobalt phosphate thin films as an electrocatalyst for non-enzymatic glucose sensing.	3 Year	Dr. Umakant Patil	8.4	2018
15	Enabling library of layered double hydroxide $[M_{2+1-x}M_{3+x}(OH)_2]_x[An-x/n]_x-mH_2O$ (M ₂₊ : Ni, Ca, Mg, Zn, M ₃₊ : Cr/Fe) based hybrids for supercapacitor and Bio-Medical Applications.	3 Year	Dr. Jayavant Gunjekar	8.1	2018
16	Appraisal of characteristics of Lanthanum Oxides for Applications in bio-sensing capabilities.	3 Year	Dr. Mrs. Padmaja Pawaskar	8.1	2018
17	Generation of Tissue Engineered functional Kidney.	3 Year	Dr. Meganadh Joshi	9.67	2018
18	Anti-angiogenic ability of itraconazole their reversal using endometrial stem cells using chick embryo as a model system: its applications in treating vascular diseases.	2 Year	PI-Dr. R. K. Sharma Co-PI-Dr. Indumathi Somasundaram	5.7	2017
19	Study the surface engineered lipid Nanoparticles for site specific delivery to overcome cancer drug resistance mechanism	3 Year	Dr. Arvind Gulbake	6.95	2017
20	Multimodal Superparamagnetic Cobalt Zinc Ferrite Nanoparticles for Magnetic Hyperthermia Based Theranostic for Cancer	3 Year	Dr. Raghavendra Bohara	4.9	2017