



**List of Sanctioned Major Research Projects (SIU Seed Funding)**

Sr. No	Year	Name of Principal Investigator	Institute	Faculty	Title of the project	SIU Sanctioned Seed Funding in Rs.
1	2018-19	Dr. Rajiv Yeravdekar	Symbiosis Centre of Health Care	Health and Biological Sciences	Prevention of Lifestyle Related Disorders in School Children: Follow up of SYM-KEM Study of 2005-2011.	10,00,000/-
2	2018-19	Dr. Alaka Chandak	Symbiosis Institute of Health Sciences	Health and Biological Sciences	Knowledge, Attitude, Practices and Behaviour (KAPB) regarding voluntary blood donation amongst students of Higher Educational Institutes in India.	10,00,000/-
3	2018-19	Dr. Vidya Patkar	Symbiosis Institute of Computer Studies & Research (SICSR),	Computer Science	"Design and development of a mobile based decision support system for enhancing farmer's Income based on the current agriculture practices and Government Policy for Maharashtra."	4,50,000/-
4	2018-19	Dr. Nitin Khedkar	Symbiosis Institute of Technology	Engineering	Design and Development of Aerosol Generator for Biomedical Application.	9,75,000/-
5	2018-19	Dr. M.N. Dhanorkar	Symbiosis Institute of Technology	Engineering	DESIGN, DEVELOPMENT, AND ANALYSIS OF BLADES FOR COMPOST MIXING	10,00,000/-
6	2018-19	Dr. Atul Kulkarni	Symbiosis Institute of Technology	Engineering	Development of Smart Water information and management system for Symbiosis Bandhara.	10,00,000/-
7	2018-19	Anirban Sur	Symbiosis Institute of technology	Engineering	DESIGN, DEVELOPMENT, AND ANALYSIS OF HOLLOW POLYMER BASED MICRO-LATTICE COMPACT HEAT EXCHANGER	9,10,000/-
8	2018-19	Sayali Sandbhor	Symbiosis Institute of Technology	Engineering	Analysis of behavior of Bacterial Concrete in different mix designs	9,68,800
9	2018-19	Ganesh Ingavle	Symbiosis School of Biological Sciences (SSBS). SIU, Pune	Health and Biological Sciences	Synthesis of novel polysaccharide-based micro-porous polyHIPE scaffolds for osteochondral tissue regeneration	10,00,000/-
10	2018-19	Sunil Saroj	Symbiosis School of Biological Sciences	Health and Biological Sciences	Role of interbacterial cross-talks through secondary metabolites in biofilm formation and pathogenicity of <i>Listeria monocytogenes</i>	10,00,000/-
11	2018-19	Kavita Menon	Symbiosis School of Biological Sciences	Health and Biological Sciences	Micronutrient profile and determinants of micronutrient status of pre-school children (3-6 years) from the rural areas of Mulshi Block, Pune, Maharashtra.	9,71,721/-
12	2019-20	Dr. Satyajeet Khare Dr. Vasudeo Paralikar	Symbiosis School of Biological Sciences	Health and Biological Sciences	Study of gene expression markers for schizophrenia in Indian population	10,00,000/-
13	2019-20	Dr. Ram Kulkarni Dr. Satyajeet Khare	Symbiosis School of Biological Sciences	Health and Biological Sciences	Adaptive laboratory evolution for developing tolerance towards lignocellulose-derived growth inhibitors in <i>Lactobacillus plantarum</i>	10,00,000
14	2019-20	Dr. Anuradha Vaidya Dr. Vijayanti Kale	Symbiosis School of Biological Sciences	Health and Biological Sciences	Neuronal regeneration using extracellular vesicles isolated from murine bone marrow-derived mesenchymal stromal cells: An in vitro study using cell line model.	10,00,000/-
15	2019-20	Dr. Sumit Kumar	Symbiosis Institute of technology	Engineering	Design of a compact Antipodal Vivaldi Antenna (AVA) Array for 5G Applications	10,00,000/-
16	2019-20	Dr. Anand Pandey Dr. Manikprabhu Dhanorkar	Symbiosis Institute of technology	Engineering	Develop combo catalytic converter to convert diesel fuelled vehicle exhaust (waste) to oxygen gas to reduce global warming and metropolitan city's smog in winter session.	10,00,000/-
17	2019-20	Dr. Shekhar Bhamre Dr. Dipika Jaspal	Symbiosis Institute of technology	Engineering	Synthesis and Characterization of Metal Oxide based Photocatalyst for Dye Removal	10,00,000/-
18	2019-20	Dr. Shraddha Phansalkar Dr. Prachi Kadam	Symbiosis Institute of technology	Engineering	Building and Leveraging Indian Food image data set for Calorie Calibration of Indian dietary pattern: Annapurna	9,00,000/-
19	2019-20	Dr. Priyanka Tupe Waghmare Dr. Madhura Ingalthalikar	Symbiosis Institute of technology	Engineering	Identifying Neural Substrates of Iron Deficiency in Young Children using Advanced MRI Techniques.	10,00,000/-
20	2019-20	Prof. Vijayshri Khedkar Mr. Kunal Shejval Mr. Kiran Wani	Symbiosis Institute of technology	Engineering	Machine Learning Based Vibration Response Analysis of Different Plats using Cymatics	9,97,000/-
21	2020-21	Santosh Koratkar Bishnudeo Roy	Symbiosis School of Biological Sciences	Health and Biological Sciences	Assessment of SARS-Coronavirus-2 load in sewage water in Pune region of Maharashtra	10,00,000/-
22	2020-21	Dr. Priya Kulkarni Dr. Sachin Palve	Symbiosis School of Biological Sciences	Health and Biological Sciences	Sero-prevalence of Anti-SARS-CoV-2 IgG and IgM antibodies among Healthcare workers in comparison with General Population in Pune, India.	4,50,000/-
23	2020-21	Dr. Satish Kumar Dr. Shruti Patil	Symbiosis Institute of Technology, Lavale, Pune.	Engineering	Inferring quality and fault localization of 3D printer products by using Digital twin.	10,00,000/-
24	2020-21	Dr. Mandar Shirolkar Dr. Santosh Koratkar	Symbiosis Institute of Technology, Lavale, Pune.	Engineering	Development of chitosan nanostructure-antibiotics nanocomposite drug delivery system for poultry pathogens	8,80,000/-