

**Rayat Shikshan Sanstha's
Yashavantrao Chavan Institute of Science (Autonomous), Satara
Seed Money Projects (2018-19)**

Sr.No.	Name of Principal Investigator (PI)	Area of Specialization	Project Title	Sanctioned Amount
1.	Dr. S.B. Kamble	Material Science	Synthesis and application of aqueous hydrotropic mediated nanoparticles for organic studies	50,000/-
2.	Dr. S.H. Mujawar	Material Science	Synthesis and characterization of functional nanomaterials for oxygen evolution reaction	50,000/-
3.	Dr. J. J. Chavan	Plant Biotechnology	"Nutritional, Fermentation and Pharmacological Studies of Wild Edible Berries from Northern Western Ghats"	60,000/-
4.	Dr. M. A. Patil	English Language learning and teaching	Factors contributing to B.Sc.III students' spelling errors at Y.C.Institute of Science, Satara	19,000/-
5.	Mr. S. R. Pol	Internet of things	Internet of things based portable biometric attendance system implementation for our Autonomous Institute	40,000/-
6.	Mrs. G. P. Shendage	Data Analysis	Design and development of biometric student attendance tracking and analysis system based on Internet of things implementation for our Autonomous Institute	40,000/-
7.	Mr. S. K. Shinde	Wireless sensor	Development and deployment of Lab-on-a-chip microfluidics system for Agricultural detection, analysis and diagnostic	30,000/-

8.	Mr. Y. A. Ghule	Heavy metals	Bioaccumulation and translocation of heavy metals in the Ujani reservoir	27,000/-
9.	Ms. R. M. Nikam	Broad band antennas	Design and analysis of microstrip patch antenna in the L-band	22,000/-
10.	Mr. S. S. Barkade	Piezoelectric energy harvesting	Piezoelectric energy harvesting from low frequency applications	30,000/-
11.	Mrs. S. V. Marulkar	Computer science	Segmentation and feature extraction of fingernail images for preliminary disease detection	21,000/-
12.	Mrs. S. S. More	Fuzzy logic	Advanced encryption standard algorithm for solving security issues in personal identification by using multimodal biometric images	30,000/-
13.	Miss. P. B. Zambare	Nanobiotechnology	Microbial synthesis, characterization and application of Iron and copper nanoparticles	15,000/-
14.	Mr. P. U. Mane	Heterocyclic Chemistry	Synthesis and antimicrobial screening of five and six membered heterocycles	20,000/-
15.	Miss. N. N. Bendre	Cell biology	Evolution of secondary metabolites of endophytic fungi isolated from Nothapodyatesfoetida for medical purpose	25,000/-
16.	Mr. P. S. Mundada	Plant biotechnology	Nutritional evaluation of local cultivars of finger millet cultivated in Western Maharashtra	35,000/-
17.	Mr. P. R. Hande	Mycology	Studies on rhizosphere and non rhizosphere fungi of some ferns in Satara and Adjoining area	20,000/-
18.	Dr. S. D. Umdale	Phytochemistry	Biochemical characterization and nutritional of wild legumes	30,000/-

19.	Miss. P. L. Kadam	Cell biology	Effect of phosmet on histology and biochemistry of digestive glands in Mice	17,000/-
20.	Mr. D. N. Nimbalkar	Abiotic stress physiology	Evaluation of seaweed liquid fertilizer for abiotic stress tolerance in Soybean	20,000/-
21.	Dr. Ms. S. M. Deshpande	Biodiversity	Study of floral diversity of sacred grooves of Satara district	20,000/-
22.	Dr. Mrs. P. A. Pawar	Entomology	Detection of biochemical changes due to habitat and change in food plant of Butterfly species from the family Nymphalidae	15,000/-
23.	Mr. B. S. Shinde	Nano material	Biogenetic synthesis of GO nanoparticles and their catalytic application for heterocyclic synthesis and water splitting	21,000/-
24.	Mr. U. L. Shevale	Animal biotechnology	Isolation, Characterization and identification of extracellular enzyme producing probiotic bacteria from gut of fresh water fish garramulla	30,000/-
25.	Mr. V. M. Nalawade	Enzyme production	Isolation and characterization of extracellular bulk enzymes from spent mushroom substrate and production of organic compost	20,000/-
26.	Mr. S. D. Kulkarni	Zoology	To study of endemic Verity and introduction of vermicomposting plants	15,000/-
27.	Dr. P. B. Kashid	Material science	Studies on dopped Cu ₂ O nanoparticles and their photocatalytic properties	30,000/-
28.	Mr. S. S. Patil	Material science	Synthesis and characterization of hybrid zinc oxide-polymer composites for Gas sensing application	30,000/-