

**Deccan Education Society's  
Fergusson College (Autonomous), Pune**

**Biotechnology**

**Annexure - I**

**Details of Research Projects**

<b>S. No.</b>	<b>Name of Teacher</b>	<b>Title of Project</b>	<b>Funding Agency</b>	<b>Duration of Project</b>	<b>Amount (Rs.)</b>	<b>Outcome</b>
1.	Dr. Sanket Tembe Dr. Sonali Joshi	Development of tyrosinase-based electrochemical biosensor for determination of vitamin E analogue	University Research Grant Scheme, Board of College and University Development, SPPU	2016-2018	1,60,000/-	Ongoing
2.	Dr. Gayatri Gurjar	Unfolding through Foldscope: developing a catalogue of plant pathogen interactions	DBT	2018-2019	8,00,000/-	Ongoing

## Botany

### Annexure -I

#### Details of Research Projects

S. No.	Name of Teacher	Title of Project	Funding Agency	Duration of Project	Amount (Rs.)	Outcome
1.	Dr. (Mrs.) Jogita T. Pandkar	Bio-assay of Spirogyra the common water bloom algae for its industrial application.	U.G.C	2017-2019	4,28,000	Ongoing

## Chemistry

### Annexure - I

#### Details of Research Projects

S. No.	Name of Teacher	Title of Project	Funding Agency	Duration of Project	Amount (Rs.)	Outcome
1.	Prof. Archana Rathod	Synthesis and characterization of biodegradable hydrogel nano particles and application in drug delivery	UGC - CE LIFE Scheme	1 Year	25,000/-	
2.	Dr. Samir Onkar	Synthesis and Characterization of Silica Nanoparticles	UGC - CE LIFE Scheme	1 Year	10,000/-	

## Electronic Science

### Annexure - I

#### Details of Research Projects

S. No.	Name of Teacher	Title of Project	Funding Agency	Duration of Project	Amount (Rs.)	Outcome
1.	Dr. M. S. Zambare	Development of reconfigurable wireless sensor adaptability to quality monitoring of water reservoirs	BCUD/SPPU	2 Years	2,60,000	2 research paper published system of sensor conditioning is Developed
2.	Dr. V. P. Labade	Development of Hv battery discharging system for Industrial applications	BCUD/SPPU	2 Years	1,70,000	

## Environmental Science

### Annexure-I

#### Details of Research Projects

<b>Sr. No.</b>	<b>Name of Teacher</b>	<b>Title of Project</b>	<b>Funding Agency</b>	<b>Duration of Project</b>	<b>Amount (Rs.)</b>	<b>Outcome</b>
1	Ms. Priti Vinayak Aphale	Identification of threats with respect to developmental activities of plateaus in western Ghats	BCUD	2016-2018	1,50,000/-	Base line data generation & Geological Status of Plateaus under study.

## Geology

### Annexure-I

#### Details of Research Projects

S. No.	Name of Teacher	Title of Project	Funding Agency	Duration of Project	Amount (Rs.)	Outcome
1.	Dr. Ravindrasing Pardeshi	Petrography and Phytolith studies of the Tertiary Formation of Bikaner-Nagaur Basin, Western Rajasthan, India	UGC	2016-2018	2.7L	Ongoing
2.	Dr. Tanuja Marathe and Dr. Devdutt Upasani	Petrological and geochemical characterisation of the Giant Plagioclase basalt horizon occurring in the areas of south Pune and Satara districts, Maharashtra	BCUD	2016-2018	1.30L	Ongoing
3.	Dr. Shyam N. Mude and Dr. S. D. Raut	Fossil calcareous algae from upper Cretaceous to Lower Eocene sediments of Pondicherry basin, South India	BCUD	2016-2018	1.40L	Ongoing

## Physics

### Annexure-I

#### Details of Research Projects

S. No.	Name of Teacher	Title of Project	Funding Agency	Duration of Project	Amount (Rs.)	Outcome
1.	Dr. K. M. Sonawane	Study of Metal Oxide Thin Film for Gas Sensing Application	DAE – BRNS	01/04/2015 to 30/09/2018	32 Lakhs	2 Research papers published in International Journals
2.	Dr. Ashish P. Yengantiwar	MINI PROJECT entitled “ <b>DC Electrowetting of Dielectric Materials</b> ” under <b>MAST</b> program	College of Excellence” (CE) 2017-18.	Jan. 2018 to May 2018	3,000/-	Project report submitted to IQAC
3.	Dr. Ashish P. Yengantiwar	SHORT TERM RESEARCH PROJECT entitled “ <b>Study of CuFeO<sub>2</sub> photocathode thin films for hydrogen fuel</b> ” under <b>STAR</b> program	“College of Excellence” (CE) 2017-18	Jan. 2018 to May 2018	24,000/-	Project report submitted to IQAC