

# PRATHYUSHA ENGINEERING COLLEGE

## DEPARTMENT OF BIOTECHNOLOGY

### PROJECT WORK 2018-2019

S. No	STUDENT NAME	PROJECT TOPIC	EXTERNAL & INDUSTRY NAME	GUIDE NAME	
1	AYESHATHUL JAHANA .A	Cellular modulation in animal model after exposure of plant based drugs	Dr.Seethalakshmi,Life teck research center	Dr.P.DHASARATHA SN, Asso. Prof.,	
	SWATHI .C				
2	DEEPIKA .P	Antibiotic production from marine samples	Dr.Seethalakshmi,Life teck research center		
	ASWINI .S.S				
3	BHAVADHARANI .R	Microbial strain improvement for fermentation products	Dr.Seethalakshmi,Life teck research center		
	DHARSHINI . G				
4	NAAVARASI .N.R	Microbial spoilage of dairy products and prevention of spoilage to enhance the shelf life period	Dr.Seethalakshmi,Life teck research center		
	KEERTHIKA .B				
5	ARPITHA ANBU DEBORAH .Y	Preparation and charcterization of nanocomposte for plant growth	Dr.Arunava Das, Bannari amman Institute of Technology		Dr.A.J.A.RANJITSIN GH
	LAKSHMI .T				
6	RAMYA .C.S	Antibiotic susceptibility and nano medicine for pathogens	EXTERNAL & Dr.N.R. Kamini, Principal scientist, CSIR-CLRI		
	PAVITHRA .D				
7	NAVEEN KUMAR .K	Optimization and kinetics of biodiesel production from neem oil	EXTERNAL & Dr.A.Arun, Alagappa university		
	RAJESHWAR .R				
8	DHARINI .S	Biofuel from palm oil over eggshell-derived CaO catalyts.	EXTERNAL & Dr.Seethalakshmi,Life teck research center	Mr.K. CHOLAPANDIAN Asso.Prof.,	
	DIVYA .D				
9	AISHWARYA .R	Production of Biodisel using nanaoparticles as a heterogenous catalyst	EXTERNAL & Dr.Seethalakshmi,Life teck research center		
	SABARILAKSHMI .				
10	MURFATH YASIN .K	Trends in catalytic production of biodiesel from various feedstocks	EXTERNAL & Dr.Seethalakshmi,Life teck research center		
	SRUTHI .R				
11	HARI RAJ KIRAN .G	Bioremediation for zinc contaminated environmental samples	EXTERNAL & Dr.Savithri sivakumar Aaranya Biosciences Pvt Ltd.,	Dr.M. THENMOZHI, Asst.Prof.,	
	PURUSHOTHAMA N .S				
12	MANIRAJ .K	Banana peels for controlling biofilm formation.	EXTERNAL & Dr.Savithri sivakumar Aaranya Biosciences Pvt Ltd.,		
	SRINIVASAN .N				
13	MANIRAJ .M	Microbial load analysis in tooth brushes and prediction of perfect strelization method	EXTERNAL & Dr.Savithri sivakumar Aaranya Biosciences Pvt Ltd.,		
	VIKRAM .R				

14	PADMA .G	Isolation and identification of microorganisms responsible for ear infections.	EXTERNAL & Dr.N.R. Kamini, Principal scientist, CSIR-CLRI	Dr.A. PRAVEENA, Asst.Prof.,
	YAMINI .C			
15	SHAMELI .J	Screening of bioactive compounds from plant sources.	EXTERNAL & Dr.Arunava Das, , Bannari amman Institute of Technology	
	SRIVIDHYA .V			
16	MAHALAKSHMI .R	Plant growth regulatory effect and insecticidal activity of plant extracts.	EXTERNAL & Dr.Savithri sivakumar Aaranya Biosciences Pvt Ltd.,	
	SURIYA DAISY .A			
17	SANGEETHA LAKSHMI .P	In-vitro and in-silico anticancer activity of plant extracts.	EXTERNAL & Dr.Savithri sivakumar Aaranya Biosciences Pvt Ltd.,	
	KIRUTHIKA .S			

**BIOTECHNOLOGY MINI PROJECTS LIST 2018-19**

<b>S. NO</b>	<b>NAME OF THE STUDENT</b>	<b>TITLE OF THE PROJECT</b>	<b>GUIDE</b>
1.	Yukthasrinivasan	Silver nanoparticles for the treatment of jaundice	Dr.S.Sathya Asst.Prof.,
	Priyadarshini.J		
2.	Charumathy. S	Production of Zinc nanoparticles from antifungal traditional plants to develop a sunscreen lotion.	Mrs.S.Divyalakshmi Asst.Prof.,
	Nagavasudha. R		
3.	Swathi.c	Separation of protein from leather effluent using aqueous two phase extraction	Mr.K.Cholapandian Asso.Prof.,
	Ayeshajehana		
4.	Shamili.J	Study and analysis of protein loss when treated with different shampoos and dyes in-plastics from food waste	Mrs.Ponjayanthi.B Asst.Prof.,
	Srividhya.V		
5.	S.Abirami	Mosquito repellent activity of essential oil	Mr.K.Cholapandian Asso.Prof.,
	T. Sindya		
6.	D.Hooren	Study of green synthesized magnesium oxide nanoparticles from <i>Amaranthus blitum</i> and <i>Aloe Vera</i> in water treatment	Dr.S.Sathya Asst.Prof.,
	Keerthana.S		
7.	Purushothaman.S	Antiseptic and antifungal production from traditional plant sources	Mrs.S.Divyalakshmi Asst.Prof.,
	Harirajkiran.G		
8.	Hemamalini	Formation of Bio manure from agro waste	Ms. D.Joyce Hellen Sathya Asst.Prof.,
	Subashini		
9.	Ramya.C.S	Isolation and screening of immune stimulant potential of chosen plant	Dr. P.Dhasarathan Asso.Prof.,
	Deepika.P		
10.	Lakshmi.T	Characterization of different types of antigen and analyse their efficient	Dr. P.Dhasarathan Asso.Prof.,
	Pavithra.D		
11.	Prathinisha	Isolation pectin from raw papaya.	Dr. M.Thenmozhi Asst.Prof.,
	Genesha		
12.	S. Gayathri	Bio-degradation of oil by efficient bacteria	Ms. D.Joyce Hellen Sathya Asst.Prof.,
	Manoritha. G		
13.	M.Raghunath	Methane production from waste vegetables and fruits	Mr.K.Cholapandian Asso.Prof.,
	K.M.Praveen		
14.	G.Navaraj	Analysis of bioactive compound from <i>Colecus aromartics</i>	Dr.S.Sathya Asst.Prof.,
	P.S.Padmanaban		
15.	Padma .G	Study of antimicrobial activity of nanoparticles against microbial strains.	Mrs.S.Divyalakshmi Asst.Prof.,
	Yamini .C		
	Naavarasi		
16.	Suriyadaisy	Comparative evolutionary analysis on Lepidoptera family of insect	Mr.K.Cholapandian Asso.Prof.,
	Mahalakshmi.K		
17.	Aishwarya .R	Assessment of pollution tolerance index in plants located in industrial areas	Ms. D.Joyce Hellen Sathya Asst.Prof.,
	Sabarilakshmi.		
18.	Arpitha	Formulation of natural dehairing agent	Mrs.Ponjayanthi.B Asst.Prof.,
	Aswini		
	Kiruthiga.S		

19.	Rajeshwar.R	Nutrient medium formulation from agro waste	Ms. D.Joyce Hellen Sathya Asst.Prof.,
	Naveen kumar.K		
	Vikram.R		
20.	Nithica .S	Nutrient analysis from sweet lime Delonix regiapods	Ms. D.Joyce Hellen Sathya Asst.Prof.,
	Aparna.S		
21.	Srinivasan.N	Production of anti diabetic candy from traditional plant sources.	Mrs.S.Divyalakshmi Asst.Prof.,
	Maniraj.K		
	Maniraj.M		
22.	Dharani	Accumulation in various vegetables and fruits purchased at local shops	Dr. M.Thenmozhi Asst.Prof.,
	Divya		
	Dharshini		
23.	Devi subhasree. S	Green synthesis of copper and iron nanoparticles from the different plant extract and their application on eutrophication	Ms. D.Joyce Hellen Sathya Asst.Prof.,
	Dharshini Ravi		
	Anusuya.M		
24.	K.Gayathri	Production of spirulina from waste water	Mr.K.Cholapandian Asso.Prof.,
	Banupriya		
	M.Nandhini		