



Srishyla Educational Trust (R), Bheemasamudra

GM INSTITUTE OF TECHNOLOGY, DAVANGERE -577 006

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Department of BIOTECHNOLOGY

Phone: +91 8192 233345/233377/252777, Extn.: 151, Mobile: 9448588792 E-Mail: med@gmit.ac.in

List of KSCST Funded Projects

Sl No	Academic Year	Title of the Project	Guide Name	Sanctioned Amount(₹)
1.	2016-17	Biofuel Production and Biosorption in Industrial Waste Water Using Microalgae".	Dr. H. Gurumurthy	10000
2.	2016-17	"Evaluation of Phytochemical Biochemical and Antioxidant Property from Ethanolic Extract of <i>maranthus spinosus</i> "	Dr. Moorthi S	6000
3.	2018-19	Biogas Recovery and Generation of Electricity from Landfillpharmaceutical Waste(Lpw)"	Mr Rakesh N R	7000
4.	2018-19	"Vermicomposting and Production of Bio-Ethanol Using Press Mud and Molasses from Sugar Industry"	Dr. H. Gurumurthy.	7000
5.	2019-20	<i>Lignocellulose</i> rich bio-compost for the production of thermostable enzymes"	Dr.Gurumurthy D M	5500
6.	2020-21	Extraction of anti-odour compoundfrom Arabidopsis thaliana and treating foul smell in recycled sewage water3	Dr.Gurumurthy H	7000
7.	2020-21	Production and commercialization of EL from Sugarcane bagasse	Dr. Gurumurthy DM	7000
8.	2020-21	Molecular characterization of plant growth promoting bacteria isolated from the rhizosphere of Areca catechu L. plantation	Dr. Pavan K J	7000
9.	2021-22	DEVISING OF ORGANIC ECO-FRIENDLY COMPOST FERTILIZER FOR VALUE ADDED CROPS	Dr.Gurumurthy H	8000
10.	2021-22	EXTRACTION AND EVALUATION OF BIOCONTROL AGENT FOR PLANT BIOTIC STRESS	Dr.Prakash K K Dr.Pavan K J	8000
11.	2021-22	HYDROPONICS PLANT CULTIVATION USING ORGANIC NUTRIENTS FROM BIO WASTE	Dr.Pavan K J Mrs.Keerthi S	6000
Total Amount(Seventy Eight Thousand Five hundred Rs)				78,500/-



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2. List of VTU Funded Projects

Sl No	Academic Year	Title of the Project	Guide Name	Sanctioned Amount(₹)
1.	2018-2019	Biodegradable plastics – a waste reduction	Mrs. Keerthi S	5000/-
2.	2018-2019	Biosynthesis and characterization of iron nano particles using Curcuma longa and zingiber officinale rhizome extract for removal of phosphate from water	Mr.Sachin C L	5000/-
3.	2019-20	PREPARATION OF ANTI-DIABETIC MOMORDICA CHARATIN (BITTERGOURD) CHOCOLATE – (AVISHKAR-TEQIP SCHEME).	Dr.Prakash K K	5000/-
4.	2019-20	Analysis of Pharmaceuticals properties of various compounds from Musa Geneara for the drug development process	Mr.Rakesh N R	5000/-
5.	2019-20	Production and Optimization of high strength composite Biodegradable plastics	Mr.Sachin C L	5000/-
6.	2020-2021	Probiotics for cholesterol Assimilation	Mrs.Deepti Palleda	5000/-
7.	2020-2021	Chitosin and Banana pseudostem composite in antimicrobial food packaging application	Mr.Rakesh N R	5000/-
8.	2021-22	Optimization of extraction process to obtain omega 3 fatty acids from fish oil and to develop bio diesel from waste oil.	Mr.Prakash K K	8,00000/-
Total Amount: Eight Lakh Three Thousand Five Hundred Rs				803500/-



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LIST OF STUDENTS PROJECTS- 2018-19

Sl No.	Name of students	Title of Project	Name of Guide
1	Sagar R Maleyur	“ In garden fuel cell prototype for sewage treatment and electricity generation	Mr. Rakesh N R
	Mahadeva Prasad S		
2	Pruthviraj Angadi	“Bio Remediation of Bitumen from thermophiles and their agricultural applications”.	Dr. Gurumurthy D M
	Naveena H Talavara		
3	Murudeshwar K V	“Vermicomposting and production of Bio-ethanol using press mud and molasses from sugar industry”.	Dr. Gurumurthy H
	Shashikumar T K		
4	Ayesha Siddiqa Khanum	“Comparative analysis of water purification by using different natural fiber”	Mrs. Deepti Palleda
	Swaleha Tasneem I Siddique		
	Shanthala D M		
5	Aishwarya Devadas	“Biodegradable Bagasse Plates – Waste reduction Partner	Mrs. Keerthi S
	Poornima B N		
	Shwetha T		
6	Seema Banu K	“Biosynthesis and characterization of iron nano particles using curcuma longa and Zingiber officinale extract for removal phosphate from water	Mr. Sachin C L
	Gaganashree M		
	Chaitra U		
7	Sahitya S Savant	“Nutraceutical and probiotic effect of <i>Eleusine coracana</i> (Ragi) Energy drink with fermented coconut water”	Mrs. Keerthi S
	Laxmi D C		
	Madhushree J R		



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LIST OF STUDENTS PROJECTS- 2019-20

Sl No.	Name of students	Title of Project	Name of Guide
1	Sagar R Maleyur	“ In garden fuel cell prototype for sewage treatment and electricity generation	Mr. Rakesh N R
	Mahadeva Prasad S		
2	Pruthviraj Angadi	“Bio Remediation of Bitumen from thermophiles and their agricultural applications”.	Dr. Gurumurthy D M
	Naveena H Talavara		
3	Murudeshwar K V	“Vermicomposting and production of Bio-ethanol using press mud and molasses from sugar industry”.	Dr. Gurumurthy H
	Shashikumar T K		
4	Ayesha Siddiqa Khanum	“Comparative analysis of water purification by using different natural fiber”	Mrs. Deepti Palleda
	Swaleha Tasneem I Siddique		
	Shanthala D M		
5	Aishwarya Devadas	“Biodegradable Bagasse Plates – Waste reduction Partner	Mrs. Keerthi S
	Poornima B N		
	Shwetha T		
6	Seema Banu K	“Biosynthesis and characterization of iron nano particles using curcuma longa and Zingiber officinale extract for removal phosphate from water	Mr. Sachin C L
	Gaganashree M		
	Chaitra U		
7	Sahitya S Savant	“Nutraceutical and probiotic effect of <i>Eleusine coracana</i> (Ragi) Energy drink with fermented coconut water”	Mrs. Keerthi S
	Laxmi D C		
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LIST OF STUDENTS PROJECTS -2020-21



Sl No.	Name of students	Title of Project	Name of Guide
1	Meghana M	Molecular characterization of Plant Growth Promoting Bacteria Isolated form the Rhizosphere of Areca catechu L.Plantation	Guide : Dr.Pavan K J
	Ranjitha H		
	Shubham Revankar		
	Suhas S V		
2	Agathya H U	<i>Chitosan and Banana Pseudostem Composite in Anti-microbial Food packaing applications</i>	Guide : Mr.Rakesh N R
	Akshatha B A		
	Muskan M K		
	Nitin kumar		
3	Naveen K H	Mixed type based solar dryers integrated with PCM for drying agricultural products	Guide :Shalini Billa
4	Mohan kumar M P	Production of Liquid Bio-fertilizer from Parthenium hy sterophorus	Guide : Dr.Pakash k k
	Meghana L		
	Anil G B		
5	Dhanyashree R,	<i>Chitinolytic enzymes: Properties and applications in seafood waste</i>	Guide : Dr.Gurumurthy H
	Sheezan M H		
	Preetham H R		
6	M S Renuakaradya	<i>Extraction of Ethyl levulinate (EL) from Sugarcane bagasse</i> Industrial Biotechnology	Guide : Dr.Gurumurthy D.M
	Prerana B G ,Afifia Arfain		
	Ashwini S		



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LIST OF STUDENTS PROJECTS -2021-22

SL. NO	Name of the students	Topic	Name of the Guide/Co-Guide
1	1. Madhu M. Kammar 2. Bhoomika B 3. Yashaswini K V 4. Rahul S	Production of Bioplastic using Tapioca Starch	Guide: Mrs.Keerthi S Co-Guide: Rakesh N R
2	1. Nivedita B M 2. Meghana D Guttal 3. H S Sadaf Naaz 4. Chetan T	Solanidine Isolation from Solanum tuberosum	Guide: Shalini Billa Co-Guide: Dr.Gurumurthy H
3	1. Pallavi K E 2.Sowjanya S 3.Anusha P M 4.Abuzer	Isolation and characterization of Xylose fermenting Yeasts for production of Fermented Products	Guide: Mr.Ganesh Tilve
4	1. Mujassim G 2 Tasbianjum A P 3.Vijay K S 4.Suma M A	Devising of organic Eco-friendly compost Fertilizer for Value added crops	Guide: Dr.Gurumurthy H
5	1.Meghalakshmi K 2.Shwetha G B 3.P Pooja 4.Abhiram Mithur	Designing of Ecofriendly Bag/Sack for Sustainable Storage of Groceries	Guide: Mr.Rakesh N R Co-Guide: Dr.Pavan K J
6	1.Honnu P M 2.Bhavana S Onkari 3.Pooja M Agadi 4.Siddartha Gouda P	IOT Based Bio nutrition management in Hydroponics	Dr.Pavan Kumar K J Co-guide : Keerthi S
7	1.Ashwini S V 2.Tejaswini G 3.Nikhil Madwachar	Extraction of Biocouture utilizing SCOBY	Guide: Shalini Billa
8	1.Sinchana H S 2.Sahana C N 3.Sneha P Chikkamath 4.Sandesh T k	Extraction and Evaluation of Biocontrol agents for Plant Biotic stress	Guide: Dr.Prakash K K Co-Guide: Dr.Pavan K J
9	1. Jeevitha M 2. Chinmayi N R 3. Manjunath Sonnad	Production and Quality Evaluation of Soy milk Yogurt with added nutritional value	Guide :Mrs.Deepthi Palleda
10	1. Sneha Shilavantar 2. Preethi R 3. Rachitha U	Production of Ethanol from sugarcane baggasse	Guide: Mr.Ganesh Tilve Co-Guide: Dr.Pavan K J

G M INSTITUTE OF TECHNOLOGY, DAVANAGERE

DEPARTMENT OF BIOTECHNOLOGY

INTERNSHIP BATCHES FOR THE ACADEMIC YEAR 2021-22

Internship Faculty Coordinator : Mr. Ganesh G. Tilve

SL. NO.	INTERNEES NAME AND THEIR BATCH	TOPIC OF INTERNSHIP	DATE OF PRESENTATION	EXTERNAL GUIDE	INTERNAL GUIDE
1.	Sahana C N Shwetha G B Sinchana H S Sneha P Chikkamath	Microbiology and Analytical Techniques	28.04.2022	Mr. Aravind Ganessin	Dr. Prakash K K
2.	Bhavana S Onkari	Invitro morphogenesis in coffee	28.04.2022	Dr. M. K. Mishra	Mr. Rakesh N R
3.	Ashwini S V Tejaswini G Sneha K S	Quality control in Drug Manufacturing Process	28.04.2022	Mr. Shivmurthy	Mr. Ganesh G. Tilve
4.	Honnu P M Bhoomika B	Drug Manufacturing Process	05.05.2022	Mr. Shridhar	Mrs. Deepti Palleda
5.	Nivedita B Mangasuli Meghana D Guttal H S Sadaf Naaz	A study on Organisational study in Synthite Industries Private Limited, Harihar	05.05.2022	Mr. Vinay H R	Mr. Ganesh G. Tilve
6.	P Pooja Madhu M K	A study on soap manufacturing process	05.05.2022	Mr. Aditya A	Miss. Sushma B S
7.	Chetan T Siddharth Gouda P Sandesh T K Vijay K S	Commercial Cultivation of Oyster Mushrooms (<i>Pleurotus ostreatus</i>)	12.05.2022	Dr. Abhishek R U	Dr. Pavan K J
8.	Pooja M Agadi Yashaswini K V	Development of rice inbreeds resistance against Blast disease through Molecular marker assisted back crossing	12.05.2022	Mr. S. Mukundan	Mr. Rakesh N R

9.	Rachitha U P Preethi R Jeevitha M Suma M A	A study on process of rayon grade pulp manufacturing at Grasim Industries Ltd., Harihara	12.05.2022	Mr. Yash Shrothriya	Mrs. Keerthi S
10.	Anusha P M Pallavi K E Sounjanya S M Tasbianjum A P	Microbiology and Analytical Techniques	19.05.2022	Mr. Aravind Ganessin	Mrs. Deepti Palleda
11.	Mujassim G	A study on Quality Control and Quality Assurance in Synthite Industries Private Limited, Harihar	19.05.2022	Mr. Vinay H R	Mrs. Keerthi S
12.	Chinmayi N R Manjunath Sonnad Megha Lakshmish K	Industrial training in various drug manufacturing process	19.05.2022	Mr. Chandrappa G D	Miss. Shalini Billa
13.	Nikhil Madhwachar Abuzer Rahul Sahukar	A study on Computational Genomics	26.05.2022	Mrs. Vidya N	Dr. Gurumurthy H.
14.	Abhiram Mithur	Quality Check and Quality Assurance of production of fruit juice	26.05.2022	Mr. Ashok	Mr. Ganesh G. Tilve

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INTERNSHIP BATCHES FOR ACADEMIC YEAR 2020-21

Internship Faculty Co-ordinator : Mr. Ganesh G. Tilve

Team	Internship topic	Internees	Project Guide	Date of presentation
1.	Production and quality control of fruit juice and carbonated drinks	Anil G B M S Renukaradya Shubham Revankar Sahas S V	Dr. Pavan K J	8 th July, 2021
2.	Production and control of fruit juices and carbonated drinks	Tejas M M Chetan S Mallikarjuna A C Vinayaka R N	Dr. Prakash K K	9 th July, 2021
3.	Post production quality analysis of soft drinks and fruit juices	Akshata B A Meghana M Spandana M S	Dr. Pavan K J	9 th July, 2021
4.	Genome analysis, site detection and mRNA sequence identifier in real world using augmented reality	Mohan Kumar M P Ranjitha H Prerana B G	Dr. Gurumurthy H	9 th July, 2021
5.	Nanobiotechnology	Afifa Arfain	Miss Shalini Billa	9 th July, 2021
6.	Comparison of computational methods for identification of novel initiation codons in ESCC samples	Agastya H U Mohammed Ali	Mr. Rakesh N R	9 th July, 2021
7.	Understand the underlying role of abscisic acid in plant growth and regulation , an insilico study	<u>Harshitha B S</u> <u>Ghazala Masood</u> <u>Sinchana H</u> <u>Ashwini S</u>	Mr. Ganesh G. Tilve	8 th July, 2021

8.	A study on biogredable food packaging from corn starch in food industry	Nehan Anjum MH Meghana L Nitin Kumar Pramod Bhavanoor	Dr. Gurumurthy H	8 th July, 2021
9.	Development of probiotic fruit juice in food and science technology	Muskan N K Sheezan M H	Mr. Rakesh N R	8 th July, 2021
10.	Production of packaged drinking water and the process of water treatment plant	Preetham H R	Dr. Gurumurthy D M	8 th July, 2021
11.	In vitro morphogenesis and molecular analysis in coffee	Naveen K H	Mr. Ganesh G. Tilve	9 th July, 2021
12.	Hands on training on basics of isolation and QC of DNA from tissue samples	Monisha G R Dhanyashree	Mrs. Deepti Palleda	8 th July, 2021