

**DEPARTMENT OF
BIOTECHNOLOGY AND GENETICS**

NEWS LETTER

(July to September 2023)

Issue 1, Volume 2

1. About the Department

The department of Biotechnology and Genetics was established in the year 2000 offering both UG and PG programs. The main objective of the programs is to provide conducive learning environment for the students and to mitigate the shortage of biotechnologists in the field of food, agriculture, medicine and environmental management. Highly qualified and experienced faculty members deliver the lectures and conduct the practical class in various subjects of curriculum developed by the Bengaluru City University. The department focusses mainly on teaching the basics, applications and hands – on-training in a state-of-the-art classroom and laboratory environment. It also facilitates student to broaden their knowledge for multitasking opportunities by conducting various co-and extracurricular activities.

2. Faculty

Sl. No.	Name of the Faculty	Qualification	Designation	Experience in years				
				RCASC	Outside	Industry	Research	Total
1	Dr. Channarayappa	M.S., Agri., Ph.D (UAS-B) Ph.D (WVU-USA) Ph.D(USA), PGDBA	R & D Head	4	35	-	-	39
2	Dr. Ramesh N	M.Sc., Ph.D, PFF, CNRS, PDF (France), PDF (IISc)	Professor	0.6		35	-	35.6
3	Dr. LakshmiKanth RN	M.Sc., B.Ed., Ph.D KSET	Associate Professor	16	4	-	-	20
4	Dr. Jayashree DR	M.Sc. B.Ed., M.Phil, Ph.D., NTT	Professor & HOD	23	3	-	-	26
5	Dr. Ramakrishniah TN	M.Sc. (Applied Genetics) M.Sc. (Zoology), B.Ed., M.Phil., PGDBA, KSET, Ph.D	Associate Professor	17	1	-	-	18
6	Dr. Sowbhagya R	M.Sc., Ph.D KSET	Assistant Professor	7	3	1.5	8	19.5
7	Dr. Radha Dayanidhi	M.Sc., B.Ed., Ph.D KSET	Assistant Professor	4	11	-	7	22
8	Dr. Geetika Pant	M.Sc., Ph.D	Assistant Professor	4	15	-	3	22
9	Dr. Vinutha M	M.Sc., Ph.D KSET	Assistant Professor	4	12	-	6	22
10	Dr. Rashmi Nagesh	M.Sc., Ph.D KSET	Assistant Professor	3.5	-	-	6	9.5
11	Ms. Beulah Angel	M.Sc, KSET, (Ph.D)	Assistant Professor	2.5	3	-	2.5	08
12	Dr. Muktha H	M.Sc., B.Ed, Ph.D	Assistant Professor	2	5	1	8	16
13	Dr. Pavithra Kumari HG	M.Sc., Ph.D	Assistant Professor	2	5	1	7	15
14	Dr. Pramod Prakash Desai	M.Sc., Ph.D	Assistant Professor	2	7	5	6	20
15	Dr. Sathish Babu HN	M.Sc., Ph.D (Germany)	Assistant Professor	1	-	15	8	24
15	Dr. Vijaya Lakshmi T N	M.Sc., Ph.D	Assistant Professor	0.6	7	0.6	6	14

3. Activities of the department

Sl no.	Date	Name of the activity	Target audience
1	15 th & 16 th September 2023	Workshop on Estimation of citric acid from <i>Aspergillus niger</i> filtrate under DBT STAR scheme	I Sem BSc Genetics students
2	6 th September 2023	Student Visit to Bangalore Bioinnovation Center, Bengaluru	II Sem MSc students
3	4 th August 2023	Guest lecture on “RNA in Gene expression”	All UG and PG Lifescience students
4	2 nd August 2023	Value added Programme on “Applications and advantages of Plant Tissue culture Research”	V Sem BSc Lifescience students

4. Students achievements

Sl no.	Name of the Students	Event	Achievement
1	Ms. Harshiya Kohli and Mr. Ranjith K R	46 th series of Student Project Programme (2022-23)	Their project was selected for state level seminar and exhibition and they presented an oral held at Alva's Institute of Engineering and Technology, Moodubidire on 11-12 August 2023 and
2	Ms. Sushma SM and Ms. Tejaswini C	International Conference	They won the best prize for their oral presentation at the International Conference on “Green Chemistry Solutions for Sustainable Future” held at GITAM University, Bengaluru, held from 20 ^h to 22 nd 2023

5. Faculty achievements

Sl no.	Name of the Faculty	Event	Achievement
1	Dr. Pramod Prakash Desai	Biospark – Bioinformatics workshop at Davangere University	Was the Resource person on 29 th of August 2023
2	Dr. Muktha H, Dr. Sowbhagya R, Dr. Radha Dayanidhi and Dr. Ramakrishnaiah T N	Research	Published a Book chapter on Green Synthesis of nanoparticles for <i>Catharanthus rosea</i> and study of its therapeutical approaches (Elsevier publications)
3	Dr. Pramod Prakash Desai and Radha Dayanidhi	Research	Published a Book chapter on Synergistic Interaction of Radiation and Antioxidant Diet on the efficacy of silk performance in Silkworm, <i>Bombyx mori</i> (Elsevier Publications)
4	Dr. Sowbhagya R	Research	Published a Research article on “Synthesis and cytotoxic activity of Bis (μ -chloro) bis (azobenzene) di-palladium complexes (Materials Today Proceedings – Springer)

6. Results highlight

B.Sc. VI SEM (Biotechnology and Genetics)

Overall Result Analysis October - 2023 (2020 Batch)

GENETICS

No. of Students appeared	Outstanding	Exemplary	Distinction	Pass	Total Pass	Fail	Pass %
55	15	30	07	03	55	00	100

BIOTECHNOLOGY

No. of Students appeared	Outstanding	Exemplary	Distinction	Pass	Total Pass	Fail	Pass %
151	26	76	09	31	142	09	94

7. Department Highlights

- **A Workshop on Estimation of citric acid from *Aspergillus niger* filtrate on 15.09.2023 and 16.09.2023 was conducted for BSc I Semester Genetics students under DBT STAR College scheme. A total of 30 students participated and were benefitted from the programme.**
- **II Sem MSc Biotechnology students were taken to Bangalore Bioinnovation Center, Bengaluru on 6th Sempter 2023. A group of 40 students, accompanied by Dr Sathish Babu, Assistant Professor, Department of Biotechnology and Genetics, embarked on an educational trip to the Bangalore Bioinnovation Center situated in Electronic City, Bangalore. The purpose of the visit was to provide students with a visual experience in the field of biotechnology and to expose them to the cutting-edge advancements in this industry.**
- **A Value added Programme on “Applications and advantages of Plant Tissue culture Research” was organized for V sem BSc Lifescience students on 4th August 2023.**
- **A Guest lecture was organized for UG and PG Lifescience students on “RNA in Gene expression” on August 2, 2023, between 11.00 a.m. to 1.00 p.m. at Abdulkalam Auditorium, MSRCASC, Bengaluru. Dr. Cletus J.M. D’Souza, Adjunct Professor, Dept. of Biochemistry, Mangalore University, Mangalore, was the Resource Person. Dr. Cletus explained about genes and their expression leading to the formation of proteins.**

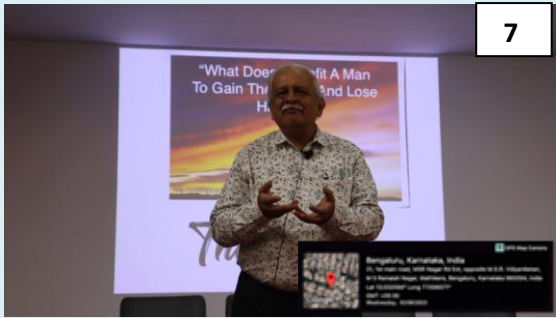
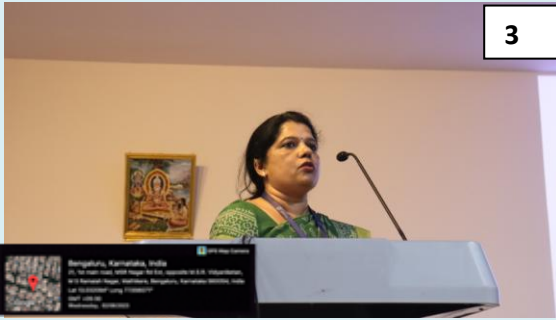
8. Photo gallery



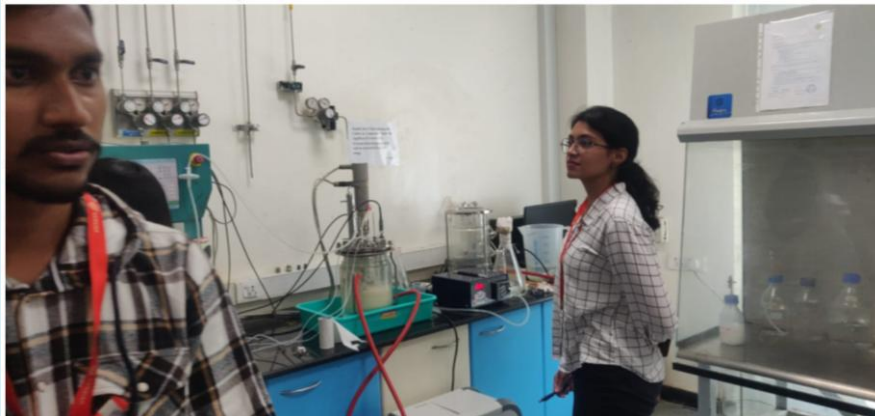
Dr. Pavithra Kumari, Assistant Professor, Dept. of Biotechnology and Genetics, explaining the process of estimation of citric acid from *Aspergillus niger* filtrate held on 15.09.2023



Ms. Sushma S M and Ms. Tejaswini C of MSc IV Sem displaying their certificate. They won best prize for their oral presentation at an International conference on “Green Chemistry Solutions for sustainable Future” held at GITAM university, Bengaluru conference from 20th to 23rd September 2023.



Glimpses of the Guest Lecture on “RNA in Gene expression” held on August 2, 2023, between 11.00 a.m. to 1.00 p.m. at Abdulkalam Auditorium, MSRCASC, Bengaluru.



Dr. Sathish Babu and IV Sem MSc Biotechnology students visited Bioinnovation Center on 6th September 2023.



Inauguration of Value added Programme on “Applications and advantages of Plant Tissue culture Research” on 4th August 2023
