

**DEPARTMENT OF  
BIOTECHNOLOGY AND GENETICS**

**NEWS LETTER**

**(October to December 2023)**

**Issue 1, Volume 3**

## **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 focuses 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. LakshmiKanth RN	M.Sc., B.Ed., Ph.D KSET	Associate Professor	16	4	-	-	20
3	Dr. Jayashree DR	M.Sc. B.Ed., M.Phil, Ph.D., NTT	Professor & HOD	23	3	-	-	26
4	Dr. Ramakrishniah TN	M.Sc. (Applied Genetics) M.Sc. (Zoology), B.Ed., M.Phil., PGDBA, KSET, Ph.D	Associate Professor	17	1	-	-	18
5	Dr. Sowbhagya R	M.Sc., Ph.D KSET	Assistant Professor	7	3	1.5	8	19.5
6	Dr. Radha Dayanidhi	M.Sc., B.Ed., Ph.D KSET	Assistant Professor	4	11	-	7	22
7	Dr. Geetika Pant	M.Sc., Ph.D	Assistant Professor	4	15	-	3	22
8	Dr. Vinutha M	M.Sc., Ph.D KSET	Assistant Professor	4	12	-	6	22
9	Dr. Rashmi Nagesh	M.Sc., Ph.D KSET	Assistant Professor	3.5	-	-	6	9.5
10	Ms. Beulah Angel	M.Sc, KSET, (Ph.D)	Assistant Professor	2.5	3	-	2.5	08
11	Dr. Muktha H	M.Sc., B.Ed, Ph.D	Assistant Professor	2	5	1	8	16
12	Dr. Pavithra Kumari HG	M.Sc., Ph.D	Assistant Professor	2	5	1	7	15
13	Dr. Pramod Prakash Desai	M.Sc., Ph.D	Assistant Professor	2	7	5	6	20
14	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
15	Dr. Ramesh N	M.Sc., Ph.D, PFF, CNRS, PDF (France), PDF (IISc)	Professor	0.6		35	-	35.6

### 3. Activities of the department

Sl no.	Date	Name of the activity	Target audience
1	21 <sup>st</sup> & 22 <sup>nd</sup> December 2023	BIOHACKATHON 2023 - Intercollegiate competition	BSc Students
2	11 <sup>th</sup> December 2023	Guest lecture on Multimodal functional brain Imaging and Neuromodulation	MSc and BSc Science students
3	10 <sup>th</sup> November 2023	Extension Activity in association with Karnataka Science and Technology Academy (KSTA) Department of Science and Technology, Government of Karnataka An IQAC initiative "Tree Plantation Drive" Organized by Eco Club Explorer , NCC & NSS Unit	BSc I Sem Science students and NCC (army & airwing) & NSS students
4	27 <sup>th</sup> October 2023	Distinguished talk on Hereditary Diseases, causes and awareness	BSc Biotechnology & Genetics

### 4. Students achievements

Sl no.	Name of the Students	Event	Achievement
1	Ms. Poorvitha R & Vasavi H	National conference on "Climate Resilience and Sustainable Development held from 22 to 24 Nov, 2023 organized by KSTA, DST, Govt. of Karnataka	Second Prize for exhibiting model entitled "Carbondioxide reduction and Sediment water pollution controlling"

## 5. Faculty achievements

Sl no.	Name of the Faculty	Event	Achievement
1	Dr. Geetika Pant	Book publication	Published textbook on General Microbiology – Himalaya publishers
2	Dr. Pramod P Desai	International conference held at Geetham University	Best Oral Presentation
3	Dr. Ramakrishnaiah TN	IQAC –workshop on SSR documentation	Was the Resource person on 16.12.2023
4	Dr. Sowbhagya R	Yoga - Global Summit Dec 2023 World record event organized by Sadhana – Adhyathma Yoga Trust, Nelamangala.	1008 yogapatu participated in World record event and for being in Sarala Vakrasana posture for 5 min 17 min

## 6. Department Highlights

- **Seed Money Proposals of Dr. Vijayalakshmi T N and Dr. Radha Dayanidhi were approved.**
- **The Department of Biotechnology and Genetics in collaboration with DBT Star College Scheme, MSRCASC showcased an amalgamation of creativity, innovation, and sustainable practices by conducting two days Intercollegiate fest BIO HACKATHON 2023 between 21 to 22 Dec, 2023. The participants from different colleges such as SJRCW, Maharani's Cluster University, Ramaiah Applied Sciences University, REVA University, Kristu Jayanthi, Bishop Cottons College along with our college students actively participated in the events. Overall, 97 students participated in two days events. The event featured two exciting competitions, Bio Brush and Bio Veg Chiselling on the first day, followed by Bio Pot Painting and Bio Cartooning on the second day. The fest aimed to bring together students from various colleges to celebrate and explore the intersection of art and biology.**
- **The department of Biotechnology and Genetics organized a Guest lecture for Science stream students on December 11, 2023 on “Multimodal functional brain Imaging and Neuromodulation”. The resource person was Dr. Ranganatha Sitaram, Director at Multimodal Functional Brain Imaging Hub, St. Jude Children's Research Hospital,**

Memphis, Tennessee, United States. He addressed both UG and PG students of science stream.

- **The Dept. of Biotechnology and Genetics, M.S.Ramaiah College of Arts, Science and Commerce in association with Karnataka Science and Technology Academy, Department of Science and Technology, Government of Karnataka, organised an Extension activity on “ Tree Plantation Drive” to celebrate two great events – International Day for Climate Action and World Science Day for peace and development on Friday 10 November 2023. On this account M.S. Ramaiah students with NCC and NSS cadets performed a rally on ‘Plog Run’, picking all the garbage around Sandeep Unnikrishnan Road lead by the resource person, Mr. Ramprasad V, an Environmentalist, Friends of Lakes, Bengaluru. BBMP supported for collecting the wastes for further disposal. The program was followed by a talk, lunch and “Tree Plantation Drive” especially with the selected endangered species, collected from Trans disciplinary University, Yelahanka, Bengaluru.**
  
- **A distinguished talk on Hereditary Diseases, causes and awareness was organized on Friday, 27 October 2023 between 11:30 am and 4:00 pm in the Karnataka Science and Technology Academy. The Morning talk, was presented by Dr. Akash Navilebasappa on “Inborn errors of Metabolism”. He explained in detail about genetic clinical conditions, it’s prevention measures, diagnosis and it’s cure. A documentary screening of various hereditary diseases was displayed, followed by documentary on Sir C.V. Raman Biography.**

### 7. Photo gallery



Bio Hackathon 2023 – Event Clippings



Glimpses of Guest lecture on ‘Multimodal functional brain Imaging and Neuromodulation’



**PLOG RUN**



**TREE PLANTATION OF ENDANGERED SPECIES**



## Distinguished talk on HEREDITARY DISEASES causes and awareness



**Inaugural by Dr. Srinivas**



**Talk by Dr Akash Navilebasappa**



**Auditorium view during the Session**



**Group photo of RCASC Students**



**Group photo of RCASC Students**

**Documentary Movie**



**Gene Pool - PBS Special & Biography of CV Raman**



**Ms. Poorvitha and Ms. Vasavi receiving certificate for securing second prize in National conference for exhibiting model entitled “Carbondioxide reduction and Sediment water pollution controlling” in National conference on “Climate Resilience and Sustainable Development held from 22 to 24 Nov, 2023 organized by KSTA, DST, Govt. of Karnataka**

\*\*\*\*\*