

DADA Ramchand Bakhru Sindhu Mahavidyalaya

Department of Biotechnology

Annual Report

Session 2022-23

The start of session has been marked with complete resume of offline classes along with Bridge course, Certificate course and ICE of students streamlined in face-to-face way.

Mentor Mentee Meetings

Two Mentor Mentee meetings dated on 4th March and 10th April 2023, were conducted where all mentees contributed their opinion as well as difficulties and accordingly solutions were discussed by mentors.



Parent Teacher Meetings

Apart from daily contact hours, parent teacher meeting was organized on 25th March 2023 to discuss various aspects of students' progress with parents and to make a detailed plan for their future progress. An improvement with student progress was noted after the meeting.

Students' Corner

First, Second as well as Final year students actively participated on National Science Day Celebration 2023 and students of Biotechnology bagged prizes in all three categories of contests i. e. Poster, Model and Oral presentation categories. Winners have got attentions even for further future intercollegiate competitions.



A pic with winners of First year Biotechnology students who got various prizes in National Science Day Celebration 2023

From this year, special career-based presentation assignments were given to final year students to make them focused for better future career in various scientific fields. All students of Final year Biotechnology actively participated and given excellent presentations.



REPORT of CERTIFICATE COURSE IN BASIC MOLECULAR BIOLOGY TECHNIQUES

During 2022-23 session, total 25 students from final year MB/BT group have enrolled to the certificate course. The course originally started on October 3rd 2022 and was completed on March 16th 2022.

Sr. No.	Name of Students
1	AKANKSHA NAVNEET GEDAM
2	ANJALI PRAMOD RAMTEKE
3	AREESHA AYYUB KHAN
4	AYUSHI SATISH JARONDE
5	AYUSHI SUNIL GANVIR
6	BHAGYASHRI WALMIK NANDANWAR
7	DIPALI RAJENDRAKUMAR MRITUNJAYA
8	ISHITA YOGESH PADGIL
9	JAGRUTI SUNIL CHANCHLANI
10	MADHURI RAMVILAS SHAHU
11	MAYURI ANUPRAO GEDAM
12	NIDHISHA SANJAY BELEKAR
13	RUBEE AZIMULLA SHEIKH
14	SANA FATEMA MOHD SHAKILUDDIN RAYEEN
15	SANIYA SHEIKH CHAND
16	SHREYA DHANPAL DONGRE
17	SHRUTIKA MANOJ PARIHAR
18	VANSHITA PUNDALIK ADMANE
19	VIDHI KAILASH SAKHARE
20	VIDHI RAVI BAVISTALE
21	ABHIJEET GAUTAM DHOKE
22	AKSHAY CHANDRAKANT KANDARKAR
23	HIMANSHU KHUMENDRA TEMBHURNE
24	M HAMID ASHRAF HAQIQULLAH NIZAMI
25	PRATIK SUBHASH CHAHANDE

Guest Lecture

A special guest lecture of Dr. G. Balasubramani, Principal Scientist (Biotech), Central Institute of Cotton Research, Nagpur was organized on 18th March, 2023 for all Biotechnology graduate students.

Sir delivered a lecture on future challenges to crop improvement. His detailed and dynamic lecture inspired all the students for future Plant Biotechnology.



2021-2022
ICT Data

As it was pandemic, a virtual platform was created and online classes were conducted through google classroom via google meet platform

- **B. Sc. First year Google Classroom: lwsvxvd**
- **B. Sc. Second year Google Classroom: 23izk4b**
- **B. Sc. Final year Google Classroom: k2evux5**

In the previous year year 2020-21, staff members of department of Biotechnology already contributed in development of e-content for virtual classes. However in addition to that, this year also e content was developed to support knowledge of

Youtube video developed for theory	01
Youtube video developed for practicals	01
ppt	21
Pdf (digitalization of notes)	08

Subject related

<https://youtu.be/ZldjTRxjT1M>

<https://youtu.be/zpehBjAcvDg>

<https://youtu.be/QosY924C944>

<https://youtu.be/jyOall5n-pQ>

<https://youtu.be/eO1g-EGr-EY>

<https://youtu.be/dHEXGIlwhJ4>

<https://youtu.be/LWU2Fw5DOtk>

<https://youtu.be/LleUPFfpqBg>

<https://youtu.be/JSjK8aCbWfs>

Practical

https://youtu.be/Kx1_D7Q2vIY

<https://youtu.be/u0TO9IIDvCQ>

<https://youtu.be/YQ7kPc4yc88>

<https://youtu.be/iFfKwvjbIEE>

<https://youtu.be/1STg5Vn5mO4>

<https://youtu.be/kCve9twFAa4>

<https://youtu.be/GDcGyrK0MKI>

https://youtu.be/Z9JnayX7V_o

Covid Awareness

https://youtu.be/jBUZFZFJd_I

REPORT of CERTIFICATE COURSE IN BASIC MOLECULAR BIOLOGY TECHNIQUES

2021-22

During 2021-22 session, total 50 students from final year MB/BT group have enrolled to the certificate course. The course originally started on October 5th 2020 and was completed on March 16th 2022. Certificates have been distributed on the day of their result declaration. This whole certificate course was conducted partial digitally in Google Meet platform and later in offline practical mode.

List of Enrolled students:

Sr. No.	Name of Student
1	AFRA FARHEEN ANSARI
2	AMANPREET KAUR BHUPINDER SINGH MULTANI
3	Apurv Mahendra Tembhurkar
4	Ayushi Rakesh Gajbhiye
5	BHAGYASHREE RAVINDRA KALE
6	Bhupinder Kaur Hardeep Singh Digwa

7	BUSHRA AMREEN ANSARI
8	Daljeet Singh Surinder Singh Lahoria
9	DEVANGINI PADMAKAR MAHURKAR
10	Divya Rupchand Yadav
11	ESHA PURUSHOTTAM ZUNKE
12	ISHIKA SHITLAPRASAD YADAV
13	KUNAL PRABHAKAR DONGARE
14	LUCKY RAJESH BHUJADE
15	MANISHA UTTAM WAGHMARE
16	MANSI MANOJ DANGE
17	NEHA SUDESH GOSWAMI
18	NIKHILA Naresh Raut
19	NIKITA HARIDAS GONDANE
20	NUTESHRI JANRAO AMBHORE
21	PIYUSHA DILIP DUPARE
22	Prachi Indrapal Bambulkar
23	PRACHI SHYAM MAHANT
24	PRACHI SUNIL SAMUNDRE
25	PRAGATI RAMPRAKASH GUPTA
26	PRANJALI OMPRAKASH MESHRAM
27	PRIYA SUNILDATTA BORKAR
28	REVATI DHARMENDRA ATHAWALE
29	Rupal Rajesh Wasnik
30	SAKSHI NAKUL BODILE
31	SAKSHI RAJESH YADAV
32	SAKSHI VINOD PANCHOLEY
33	SANJANA RAJENDRA NAWALE
34	SANOBAR GANI SHEIKH
35	Sarita Sitaram Kawade
36	SHREYA SANJAY MOUNDEKAR
37	SMRUTI DEOKUMAR WANKHADE
38	SNEHAL SHRIRAM BANGADE
39	SONAL GAYAPRASAD YADAV
40	STUTI GADPAYLE HARISH
41	SUBODH GORAKHNATH NAGRALE
42	Sushama Dharmraj Inwate
43	Suyog Anil Nagrare
44	TEJASWINI SUDHIR PARTEKI
45	TINA SUNIL KUMBHARE
46	TRUPTI SUNIL LANJEWAR
47	URVI YOGESH GAJBHIYE
48	Utkarsha Venkateshwar Saripalli
49	Vibha Rajan Kapse
50	YASH VIJAY TIRPUDE

DEPARTMENT OF BIOTECHNOLOGY

Annual Report

Achievements in Academic Year 2020-21

In spite of being in a pandemic situation, our department's academic and other activities continued to flourish in virtual platform. As always this year also Department of Biotechnology was glorified with various achievements.

Publications

- “Women Empowerment Redefined: From Sinauli to Present” Suryawanshi Bhagchandani S P, 2021; Unveiling the Boundaries of Gender Issues, Special Issue:111-116 (ISBN: 978-93-91248-06-2)
- “Gender Sterotypes” Pawade R, 2021; Unveiling the Boundaries of Gender Issues, Special Issue:145-149 (ISBN: 978-93-91248-06-2)

ICT Data

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- **B. Sc. Final year Google Classroom: xfcrb5n**

In the year 2020-21, staff members of department of Biotechnology contributed in development of e-content for virtual classes.

Youtube video developed for theory	09
Youtube video developed for practicals	08
ppt	53
Pdf (digitalization of notes)	76

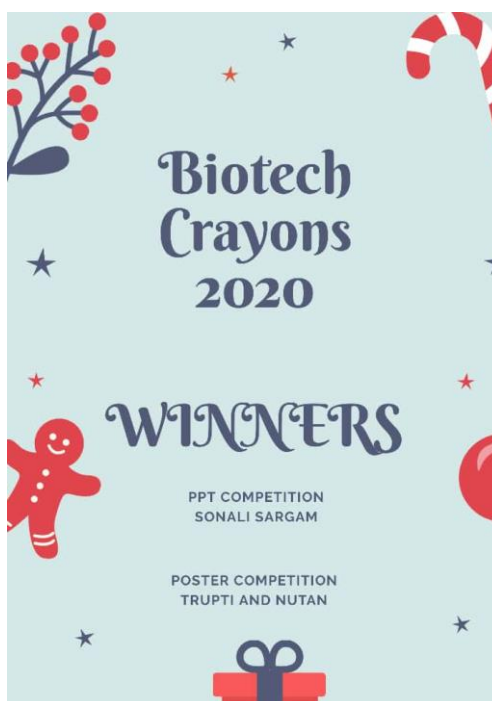
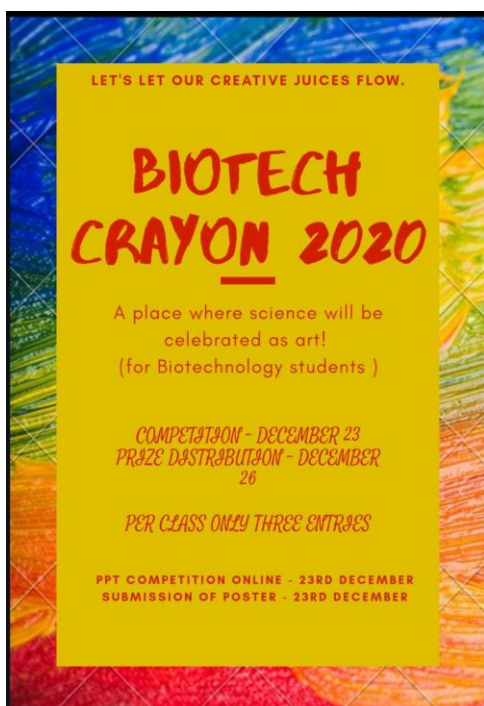
Faculty Enrichment

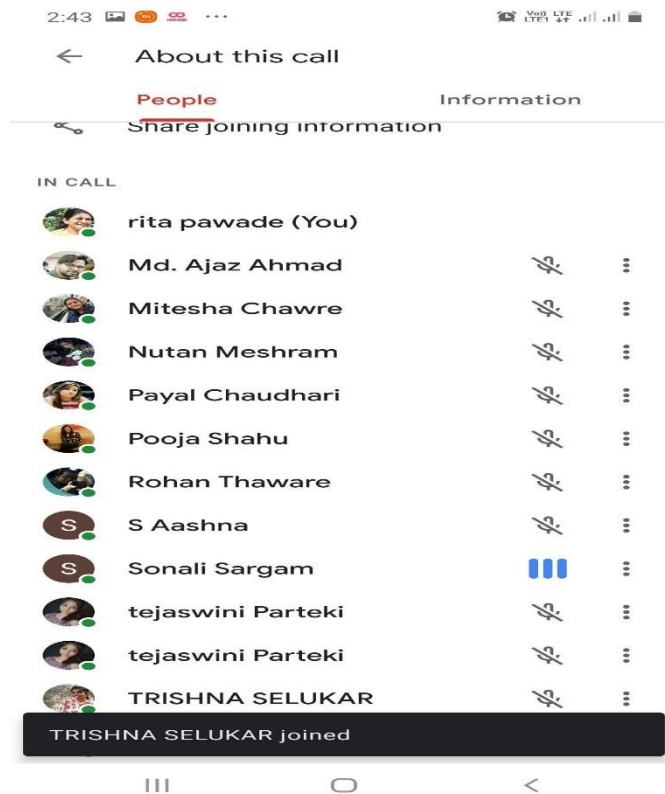
Mrs. Rita Pawade participated in Faculty development programme on E-content Development and online teaching conducted by teaching learning centre, Ramanujan College, University of Delhi in the year 2021 from 7th Feb to 14th Feb.

Student Enrichment

Staff was available for personal counseling of each student on call, WhatsApp or in Google Classroom in any of their difficulty. We tried our best even for the students without any smartphone facility to cover their studies. Even in such crisis of pandemic situation, department of Biotechnology tried best for enriching performance of students through various activities.

- After completion of admission bridge course was conducted for B. Sc. First semester MB/BT from 10th to 20th October 2020 and accordingly students were categorized for their future CIA evaluation.
- Annual Career counseling programme conducted by Department of Biotechnology in this Academic Year 2020-21 as **“What to Do Next”** on 11th and 12 February 2021 for B. Sc. Part III students. A total 50 students have been benefited by the course.
- Annual Competition **“Biotech Crayons”** for Biotechnology students this year was organized in online mode as poster and presentation competition. The competition was judged by Prof. Rohan Thaware (Department of Biotechnology, Ambedkar College) and winners were selected as per their performance marks.





- A short term **Certificate course in Basic Molecular Biology Techniques** conducted in online as well as offline mode from 26th August 2020 to 13 March 2021 and in total 50 students participated.
- A parent teacher meet was organized for B. Sc. I and II year students (MB/BT) students on 4th June 2021 and 19th November 2020. Performance of slow learners and their reluctant behavior regarding their studies were discussed and accordingly their performance map was made.
- A Mentor – Mentee meeting was organized for Semester I (MB/BT) students on 19th November,2020 along with parents to make them aware of online mode of teaching and related issues.
- Biotechnology students have actively participated on various competitions and programs organized by other departments also for their personal growth

DEPARTMENT OF BIOTECHNOLOGY

Annual Report

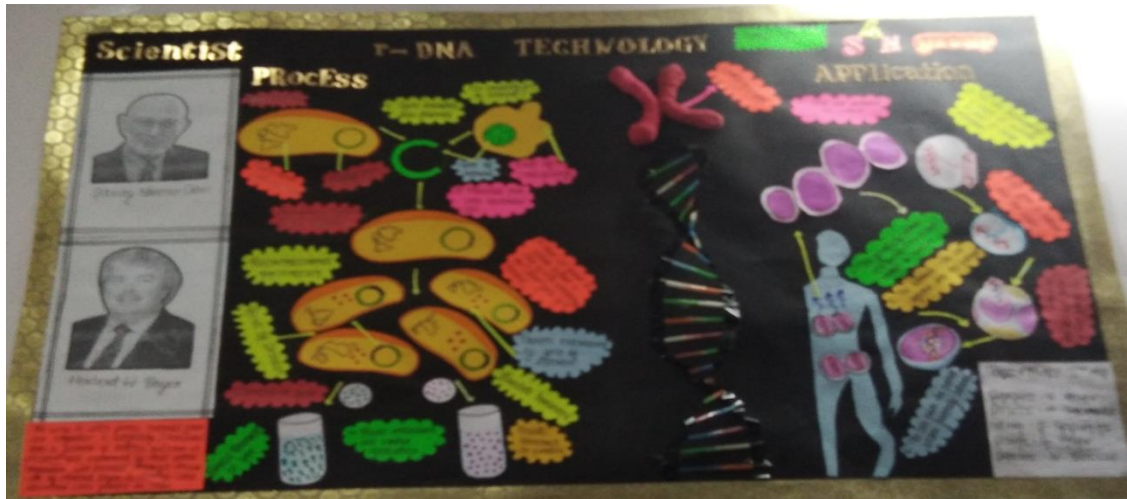
Achievements in Academic Year 2019-20

This year Department of Biotechnology has glorified with various achievements to place in its crown.

Programs Organized in the Department

- Soft skill programme conducted by Department of Biotechnology in this Academic Year 2019-20 as “**Advances in Presentation Skills Development**” on 31st January 2020 for B. Sc. Part I and B. Sc. Part III students. A total 30 students have been benefited by the course.
- Interclass poster Competition “**Biotech Crayons**” for Biotechnology students was organized in the department at 14th September 2019. Total 3 teams from each class were selected. The completion was judged by Dr. M. L. Jisnani (Ex-HOD, Department of Microbiology, Dada Ramchand Bakhru Sindhu Mahavidyalaya) and Mrs. Meenakshi Mohadikar (Ex Lecturer and Plant Tissue Culture expert, Department of Biotechnology, Dada Ramchand Bakhru Sindhu Mahavidyalaya). Prize distribution ceremony was held in the prestigious presence of Hon. Chief Guest Dr. Vinky Rughwani, Chirman, Sindhi Hindi Vidya Samiti and Hon. Gest of Honor Tiwari Ji, renowned energetic Speaker, Nagpur.





- A short term **Certificate course in Basic Molecular Biology Techniques** conducted from 26th to 31st August 2019 and in total 39 students participated.
- A parent teacher meet was organized for B. Sc. I, II and II year students (MB/BT) students on 21st September 2019 and 22nd February, 2020. Not only results were discussed with parents, but a personal counseling was also given to the students.
- A Mentor – Mentee meeting was organized for Semester II, IV and VI (MB/BT) students on 7th February, 2020
- Biotechnology students have actively participated on various competitions organized on the occasion of Science Day 29th February, 2020 and bagged prizes in presentation and model competitions.



DEPARTMENT OF BIOTECHNOLOGY

Achievements in Academic Year 2018-19

This year Department of Biotechnology has glorified with various achievements to place in its crown.

Publications

“Effect Of Nitrogen And Carbon Substrates On Pectinase Production By *Aspergillus Species*” Motwani D R and Bhagchandani S P, 2019; Research Directions, Special Issue:155-161 (Impact Factor: 5.7)

Programs Organized in the Department

- Add on courses conducted by Department of Biotechnology in this Academic Year 2018-19 are:
 1. **“Advances in Data Presentation Skills”** for B. Sc. Part I (Semester II) students on 21st January, 2019
 2. **“Immunological Techniques: Importance and Applications”** for B. Sc. Part II (Semester IV) students on 24th and 25th January, 2019
- A short term **Certificate course in Basic Molecular Biology Techniques** conducted from 20th to 25th August 2018 and in total 38 students participated.



- A parent teacher meet was organized for Semester II, IV and VI (MB/BT) students on 8th February, 2019



- A Mentor – Mentee meeting was organized for Semester II, IV and VI (MB/BT) students on 23th February, 2019

Mentor-Mentee Meet

