

Dempo Charities Trust's
DHEMPE COLLEGE OF ARTS & SCIENCE
Miramar, Panaji-Goa
DEPARTMENT OF BIOTECHNOLOGY

REPORT OF CHIASMA 8.0
(ACADEMIC YEAR 2022-2023)

Chiasma 8.0 was a two-day event cum exhibition organized by the Operon club of the department of Biotechnology meant for showcasing the different areas of Biotechnology- a multidisciplinary subject. Chiasma 8.0 commenced with a formal inaugural ceremony at 10:00 am in the Swami Vivekananda Hall. Ms. Candice Nicole Sequeira, (student Coordinator of Chiasma 8.0) compered the inaugural function. The Chief Guest for Chiasma 8.0 was Shri. Deepak Parab, State Nodal Officer for registration of Geographical Indication, Directorate of Science & Technology and Environment, Porvorim. The inaugural function commenced with the lighting of the lamp by the dignitaries present i.e., Prof. Vrinda Borker, Principal, Shri. Rajesh Bhatikar, Administrator, Dr. Shilpa Samant, In-charge Vice Principal, Mr. Dinanath Parab, HOD of Geology, and Coordinator of the Annual Science Exhibition. The principal addressed the gathering. Dr. Preethi Pandit, Faculty Coordinator of Chiasma 8.0 mentioned Chiasma 8.0 and also introduced the Operon club's newsletter. The newsletter entitled 'CODON 2023' was released by the Chief Guest.

The Chief Guest spoke on various aspects of geographical indicators and also encouraged the students to file patents and conduct research-based studies in the future.

Mr. Dinanath Parab delivered the vote of thanks concluding the inaugural function.

Following the inaugural function, Chiasma 8.0 Exhibition was formally declared open by cutting the ribbon at the hands of Shri Deepak Parab. In total, the FY, SY, and TY students of Biotechnology together presented 14 exhibits and charts. The exhibition included interesting models depicting the various fields of Biotechnology. The topics for the exhibition included:

1. Preparation of Wine
2. Terrarium
3. Human Evolution
4. Recombinant DNA model
5. Pathogenesis of coronavirus
6. Bioluminescence
7. Clinical trials
8. Vaccines
9. IoT based smart irrigation system
10. Preparation of bioethanol
11. Astrobiology
12. Static model of uterine cancer

13. Food adulteration
14. Forensic Science

This one of kind of exhibition was meant majorly to inculcate a scientific attitude amongst the students of High Schools and Higher Secondary Schools. In addition, it also provided a platform for the students of Biotechnology to showcase their knowledge, zeal, and creativity.

Along with the exhibition, Chiasma 8.0 included 5 events for the science students of various Higher Secondary Schools from all across Goa. The event was entitled: Oops guilty- a criminal case-solving event for which the event coordinator was Dr. Amara and Ms. Sharmishta Sanyal. The second event was Brawl of the Astute- a debate competition coordinated by Mrs. Mrunal Phadke. The quiz competition was coordinated by Mr. Kamlesh Korgaonkar and Ms. Sasha Viegas, and model making competition was coordinated by Ms. Rizelia Rodrigues, and Lens of Nature- a photography contest coordinated by Dr. Preethi Pandit.

A total of 09 Higher Secondary Schools participated in the events which included Dr. K B Hedgewar Higher Secondary school, DCT'S Vasantao Dempo Higher Secondary of Arts, Science and Commerce, Dempo Higher Secondary of Science PACE, Our Lady of Rosary HSS, Dona Paula, Shiroda Higher Secondary school, Sharada Mandir Higher Secondary School, Fr. Agnel Multipurpose HSS, Don Bosco Higher Secondary School, Mushtifund Higher Secondary School.

A total of 08 High Schools registered for the exhibition which includes Dada Vaidya High School, GS Amonkar Vidya mandir, Mapusa, GVM's MIBK High School, Khandepar, School of Symbiosis, Shiroda, Mushtifund High School, Cujira, Dempo PACE, Don Bosco High School, St Michael High School Taleigao.

Day 1 events included Biology in your nerves (Quiz), Oops Guilty, and a model-making competition. Followed by refreshments for the High School and Lunch for Higher Secondary School students and Teachers. Food stalls were put up by the students of Biotechnology. The in-house exhibition continued up till 4:30 pm. The footfall on the first day was 411.

Day 2 events included the final round of Quiz and debate followed by lunch and refreshments for High Schools and Higher Secondary School students and teachers

The valedictory function of the Annual Science Exhibition and Chiasma 8.0 started at 4:00 pm in the SV hall of the College. The principal addressed the gathering followed by the prize distribution for the events of Chiasma 8.0. The winner of Chiasma 8.0 was bagged by the students of DCT's Dempo Higher Secondary School and the best in-house exhibition award was won by Exhibit 14: Forensic Science. The trophies and certificates distribution was held at the hand of the principal madam, Prof. Vrinda Borker, and the Incharge vice-principal Dr. Shilpa Samant. Mr. Dinanath Parab read the report of the annual science exhibition followed by the reading of the report of Chiasma 8.0 by Mr. Kamlesh Korgaonkar (Co-ordinator of Chiasma 8.0). Mrs. Mrunal Phadke (President of the Operon club of the Department of Biotechnology that hosted Chiasma 8.0) proposed the vote of thanks. The Valedictory function concluded with a group photo. The total number of visitors for day 2 was 555. **Thus, the total footfall for Chiasma 8.0 was 966.**

The details of the five events for Chiasma 8.0 are as follows:

- 1) **Biology in your nerves (Quiz):**
First place: DCT's Dempo HSS

Second place: PACE HSS
Third place: Sharada Mandir HSS

2) Brawl of Astute (Debate):

Winner: Dr. K B Hedgewar
Runner up: Sharada Mandir HSS

3) Lens of Nature (Photography):

Winner: Sharada Mandir HSS
Runner up: Dempo HSS

4) Oops guilty (Criminal case solving):

First place: Dr. K B Hedgewar HSS
Second place: Fr. Agnel HSS
Third place: Sharada Mandir HSS

5) Dream it build it (Model making):

First place: DCT's Dempo HSS
Second place: Don Bosco HSS
Third place: Dr. K B Hedgewar HSS

6) Best Exhibit: Forensic Science team

7) Overall Winner of Chiasma 8.0: DCT's Dempo HSS

The financial support was given by the Sponsors' which includes Kudos aqua, Real group of companies, India Shoppe, Vihaan, Lawrence and Mayo, Omkar Traders, Bank of Baroda, Dentalign, Rishabh forms Belgaum, Klaas Marketing company, Biryani & More, Cool and Relax family Restaurant, Sachin family restaurant, Annapoorna food service, Dr. Dinesh Amonkar Govind Clinic, Bicholim, DG-Mart, Dalal Constructions, Quepem, Shiv Krupa-Ceramic Tiles, Chamunda Auto Electricals- Agassaim, Shyam Chopra- Chief Electoral Office, Vanchita.com- Agassaim, Kesh Studio.

Chiasma 8.0 was a successful event due to the enthusiasm, insights, teamwork, and dedication of the faculty and students, and administrative staff, which are the pillars of the OPERON CLUB of the Department of Biotechnology.

Photographs of Chiasma 8.0



Inaugural Function of Chiasma 8.0



Exhibit on Bioluminescence



Student participant's feedback



Exhibition



Valedictory Function of Chiasma 8.0



Dream it Built it (Event of Chiasma 8.0)



**Biology in your nerves
(Event of Chiasma 8.0)**



Dream it Built it (Event of Chiasma 8.0)



F



Food Stall at Chiasma 8.0



Winners of best Exhibit Chiasma 8.0



Winner of Dream it, build it



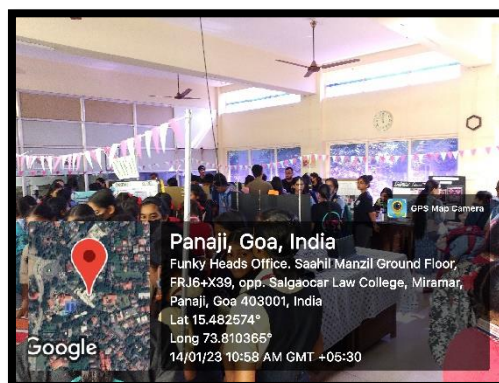
Registration Desk



Biotechnology teachers and students of batch 2022-23



Mrs. Mrunal Phadke giving Vote of Thanks



Exhibition



Forensic Science Exhibition



Biotechnology Rangoli



Rotating DNA model



Biotechnology Tree



Selfie corner



TY Biotechnology students explaining the instrument



Operon Club of Biotechnology with Principal