



DEMPO CHARITIES TRUST's
Dhempe College of Arts and Science, Panaji-Goa
DEPARTMENT OF BIOTECHNOLOGY

Report on the two-day State level exhibition Chiasma 9.0 for the academic year 2023-24
29th - 30th January 2024

The Department of Biotechnology, DCT's Dhempe College of Arts and Science, Miramar-Goa hosted a successful 2-Day Event and Exhibition – Chiasma 9.0 supported by the DBT-Star college scheme on 29th and 30th January 2024. The exhibition attracted students from multiple schools across the state, reflecting a diverse and inclusive participation from various educational institutions.

The mega exhibition organized by the Operon Club of the Department of Biotechnology was meant to showcase the advances in Biotechnology- a multidisciplinary subject. Prof. Savita Kerkar, Senior Professor of Biotechnology in the School of Biological Sciences and Biotechnology, Goa University was invited as a distinguished speaker and the chief guest for the inaugural function of Chiasma 9.0. Principal, Prof. Vrinda Borker addressed the gathering followed by a lecture by Prof. Savita Kerkar on "Close Encounters in my Arctic expeditions". The newsletter entitled 'CODON 2024' and the Bioactivity book was released by the guest speaker. Students of Biotechnology together presented 14 exhibits and 3D working models on various topics

The Director of the Directorate of Science and Technology & Waste Management, **Shri Lewinson J. Martins**, Chief Guest for the inauguration of the College Science exhibition, 'Inspire the Next' visited the exhibition and appreciated the efforts, and skills of students and their willingness to learn new techniques for making exhibits on interdisciplinary topics. He motivated them to carry out further research in various fields of Biotechnology. Students of Biotechnology together presented 14 exhibits which included 3D working models on various trending topics such as

1. CRISPR-Cas9,
2. Shell-less embryo development
3. Bioluminescence and its application in nanobiotechnology,
4. Robotic arm with impulse sensors,
5. Formacarium,
6. Food dehydrator,
7. Wastewater treatment with aquaponics,
8. Green thumb project,
9. 3D Bioprinter,
10. A Clinostat using Arduino,
11. Hydroponics-vertical Garden,
12. Green synthesis of Nanoparticles and its application,
13. Permafrost
14. Forensic science.

The purpose of the exhibition was 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. A total of 9 (nine) Higher secondary and 6 (six) High schools visited the exhibition and Total footfall of visitors for two days of Chiasma 9.0 was 935.



A lecture by Senior Prof. Savita Kerkar



Launching of Newsletter CODON



Shri Lewinson J. Martins visiting the Exhibition



Biotechnology student explaining the exhibit



Overwhelming response from School Students for visiting the Exhibition



Mr. Kamlesh Korgaonkar
(Faculty Coordinator of Chiasma 9.0)

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(Faculty Coordinator of Chiasma 9.0)

IN-CHARGE
Dept. of Biotechnology

Dr. Preethi Pandit

(Faculty Coordinator of Chiasma 9.0)

Bamboo Charitable Trust

Shrimpe College of Arts & Science
Panaji - Goa