



DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE

(Autonomous)

Re-Accredited with A++ Grade by NAAC

College with Potential for Excellence, Linguistic Minority Institution

Affiliated to University of Madras, Arumbakkam, Chennai – 600 106

PG DEPARTMENT OF BIOTECHNOLOGY

ACADEMIC ACTIVITY REPORT 2023-2024

SIP

- Two Induction programs for the UG (**Deeksharambh**) and PG (**GLOW**) fresher's of the department were organized on 03.07.2023 and 28.07.2023 with a motive to allow them to explore their academic interests and activities along with inculcating institutional ethos. During the UG SIP, the guest speakers Dr. L. Inbathamizh, Asst. Professor, Dept. of Biotech, Sathyabama University and Prof. P. T. Kalaichelvan gave insights on the challenges and opportunities in the field of Biotechnology. The PG SIP the department head and faculty members mentored the students on various topics including holistic education, curriculum, value added courses, placement and department club.

International Conference

- The **3rd International Conference on Advances in Biotechnology – Algae towards Sustainable Environment (ICAB -ASE-2024)**, was held on 23.01.2024 & 23.01.2024 in Association with Tamil Nadu State Council for Science and Technology (TNSCST), Chennai. The chief guest of the inauguration, **Prof. Sathyanarayana N Gummadi**, Professor, Department of Biotechnology, IITM, Chennai, shared the recent trends in the field of Algal Biofuel. The conference was led by several eminent speakers who created awareness on various topics addressing the major challenges about the importance of sustainable goals towards the betterment of society.

Workshops & Training Programmes

- **S. Padmanaban**, Founder-SARVAM Trust, State Level Master Trainer-State Institute of Rural Development and Legal Consultant-ILLAYUGAM trust, Mattram Trust & Samam Trust delivered lecture on Decision making and Stress management during the two days **Training program on Interpersonal skills - "Intensate 2023"** held on 23.08.2023 and 24.08.2024.
- **Dr. Priya Kannan**, M.B.B.S., M.Med, MCE (Australia), Director of Embryology, Garbba Rakshambigai Fertility Centre, Chennai delivered an awareness Talk on **Polycystic Ovarian Syndrome (PCOS)** on 12.09.2023.
- National Level Workshop on **Essential Molecular techniques- NLEMT 2023**, in association with Indian Science Congress Association, Chennai Chapter was held on 19.09.2023 & 20.09.2023. **Dr. Gayathri Gunalan**, Research Officer (Biochemistry) - S II, Siddha Regional Research Institute and **Dr. T.G. Nithya**, Professor, Dept. of Biochemistry, SRM, delivered the keynote lectures. Hand-on-sessions were held in the department for the participants.



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- “**World Fungi Day 2023**” in association with Mycology Society of India was celebrated with various competition held to create awareness on the importance of fungi on 03.10.2023 & 04.10.2023.
- An invited talk on “**Entrepreneurial Culture-A Key to Progressive Growth**” was held on 28.11.2023 in association with Institution Innovation Council (IIC), DDGDVC. **J. Vidya**, Founder & Proprietrix, NikMed Medical Technologies, Chennai discussed the various core concepts of entrepreneurship.
- **Dr. K. Srikala Ganapathy**, Founder Editor, Science Shore, Chennai, led the seminar on “**The Role of Gender Equality in Sustainable Development**” held on 05.01.2024 where she highlighted the importance of equality in the society thereby creating an awareness amongst students.
- The department in association with the Institution Innovation Council (IIC), DDGDVC conducted a training program on **Innovation and Startup** held on 02.02.2024. **Dr. D. Sudhakaran**, General Manager, Golden Jubilee Biotech Park for Women Society, Siruseri gave a brief introduction about the start-up ideas and Dr. Savithiri Shivakumar, Aaranya Bioscience Private Limited explained about her research aspects and product development.
- An Awareness program “**Cognizance of Rare Diseases**” was held on 19.02.2024 where **Dr. N. Indhumathi**, Head, Department of Medical Genetics, Laboratory Geneticist, Sr Genetic Counsellor, Apollo main hospital, Chennai discussed about diagnosis and treatment of rare diseases.

MoUs Signed

- Sathyabama Institute of Science and Technology Chennai on 30.10.2023.
- NIKMED Medical Technologies on 28.11.2023

Industrial Visits

- Visit to CanBrs **Therapeutics Private Limited, IIT Madras Research Park**, start-up for various funding options held on 23.08.2023.
- Industrial visit to **Pondicherry University** was held on 09.02.2024. During the visit, students had the opportunity to explore various departments, research centres and several laboratories equipped with advanced instrumentation and technology.
- An environmental studies Field visit to **Vedanthangal Bird Sanctuary** was held on 08.03.2024 for the II UG students to make them understand the delicate balance between ecosystems and the impact of human activities on the environment.



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GROW-Placement cell Activities

- Career Guidance Program on **Opening Venues in Biotechnology** was held on 01.07.2023. **Mr. Siva Nagesh**, Senior Manager, Elisar Life Sciences, Chennai, guided the students on the advancements in scientific medical devices.
- Career Guidance Program - **“Explore Education Abroad”** was held on 27.12.2023. **Mr. H. Abdul Navas**, Senior Manager, KC Overseas-Osprey Academy, Chennai, spoke to the students about opportunities to study abroad.
- Career Guidance Program - **Rise of Drone Technology in Agriculture”** on 04.01.2024. **Ms. Durga Venugopal**, Regional Head, Riyasa-Chennai, threw light on the career opportunities related to drone technology in agriculture and the mechanism of drone flying.
- Career Guidance Program - **“Medical devices: A role for biotechnologists”** held on 13.02.2024. **Dr. S. Sathish Kumar**, Application scientist from VFL Sciences Pvt. Ltd., Chennai emphasized the importance of self-analysis, professional communication, job roles for biotechnologists in the pharmaceutical industry.

Technosaviour Club Activities

- **World Nature Conservation Day** was organized on 28.07.2024 under the theme of Forests and Livelihoods Sustaining People and Planet by organizing Poster Making and Slogan Writing competition for the students.
- **Guest Lecture on Essential Employability Skills for the Emerging Clinical Laboratory Workforce & Technosaviour Club Investiture Ceremony** was held on 04.08.2023 where **Dr. Sara Chandy**, Director & Researcher, The Childs Trust Medical Research Foundation, Kanchi Kamakoti Childs Trust Hospital, Chennai highlighted the criteria through which they screen a candidate for job offering and entrusted the office bearers of the student club with their responsibilities.
- **World Entrepreneur's Day & Akshay Urja Diwas (Renewable Energy Day)** on 21.08.2023 under the theme of harnessing the Nature Power where ideation and model making competitions were conducted.
- **International Millets Year 2023** was celebrated on 13.09.2022 to create awareness on nutritive value of millets where competitions were held to stress on the nutritive value of millets and cereal based foods.
- **Ms. Geethanjali Radhakrishnan**, Founder, CEO& MD, Adiuvo diagnostic private limited served as the chief guest for the **Intercollegiate event “TECHNOSAVIOUR 2023”** held on 15.12.2023 discussed the various aspects of entrepreneurship in field of life science. Following the inauguration, various inter-college competitions were held for the participants.



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- **National Science Day** - “Science for sustainable future” on 29.02.2024. Events like ideation and Shipwreck with the theme “Sustainable Development Goals” were organized to encourage critical thinking.

VACs offered

- Bioentrepreneurship & Bioinnovation by Nalla Unavu from 23.01.2024 to 24.02.2024.
- Biobased Algal products by Mahathi Biotech from 17.02.2024 to 25.02.2024.
- Food Science and management by FSG FoodWorks OPC Pvt Ltd from 30.12.2023 to 25.02.2024.
- Molecular Diagnostics – Current application and future trends by Mitogene Technologies Pvt Ltd from 25.01.2024 to 27.01.2024 & 12.02.2024.
- Molecular and Analytical Techniques in Biotechnology by Sathyabama Institute of Science and Technology Deemed University, Chennai from 05.01.2024 to 10.01.2024.

Extension Activity

- **III UG students of the department took part in the Coastal clean – up activity** held on 15.0.2023 in association with the Indian Army and Trisakha foundation. Students had a good opportunity to provide a service to the environment and the community while learning about recycling, reusing and reducing waste.

Alumni Programs

- Alumni talk on “**Role of Biotechnology in the Medical Field**” was held on 11.01.2024. Department Alumni **Ms. Preetika S**, Surgical Counsellor, Mehta Hospitals, spoke to the students about the importance of the course and its need in the field of medicine.
- An annual **Alumni meet** was conducted on 02.03.2024 for the alumni students of the department. Alumni students shared their work experiences and motivated the students to approach them for placement related guidance.



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3rd International Conference on Advances in Biotechnology – Algae Towards Sustainable Environment (ICAB -ASE-2024), held on 23.01.2024 & 24.01.2024 in association with Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.



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Industrial visit to Pondicherry University on February held on 09.02.2024



MoU signed with NIKMED Medical Technologies



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MoU signed with Sathyabama Institute of Science and Technology



TECHNO SAVIOUR 2023 held on 15.12.2023



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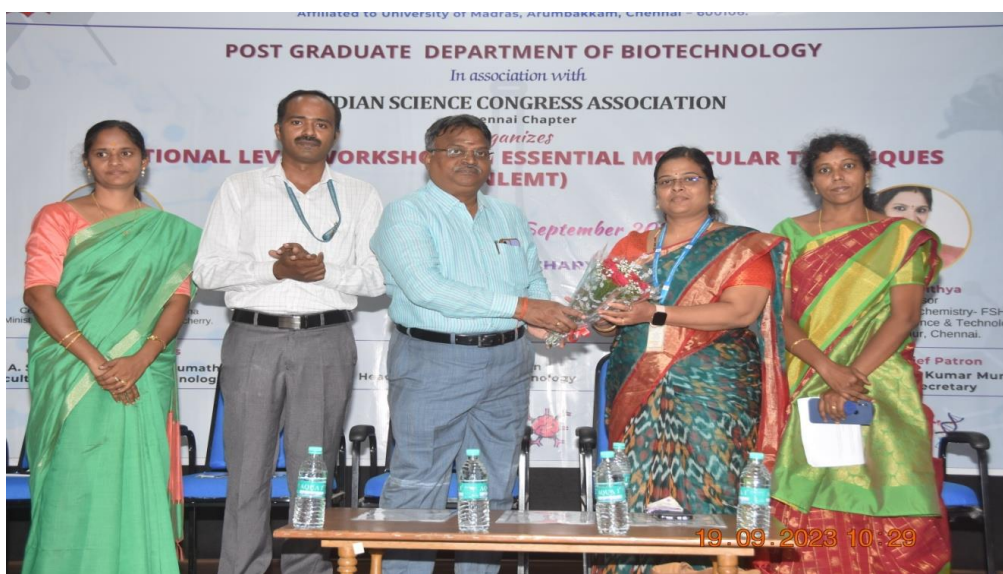
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Environmental Studies field visit to **Vedanthangal Bird Sanctuary** held on 08.03.2024.



Department Alumni meet held on 02.03.2024





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**National Level Workshop on “Essentials Molecular Techniques”- NLEMT 2023 held on
19.09.2023 & 20.09.2023**



Career Guidance Seminar on “Triads in Biotechnology” on 13.02.20224



**Training Program on Innovation and Startup at Golden Jubilee Biotech Park for
Women Society, Siruseri held on 02.02.2024.**



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COASTAL CLEAN-UP Extension Activity in association with the Indian Army and Trisakha foundation Besant Nagar Beach, Chennai held on 15-07-2023.



Visit to CanBrs Therapeutics Private Limited, IIT Madras Research Park, Taramani held on 23-08-2023