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# **ACADEMIC ACTIVITIES 2023-2024**

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**PG & RESEARCH DEPARTMENT OF  
BIOTECHNOLOGY**



## A GUEST LECTURE ON ‘CAREER PROSPECTS FOR LIFE SCIENCE STUDENTS’

Speaker: Dr.Anju Elizabeth Date -21.08.2023

A guest lecture on ‘Career Guidance- A shift from class to research’ for Postgraduate students of Biotechnology was conducted on 21<sup>th</sup> August , 2023 from 3.00 p.m. to 4.00 p.m. at Benedicta Rowe hall , Centenary Block , WCC, Chennai. The programme began with a Welcome address by Dr.Priya Iyer and speaker introduction by Dr.Anita RJ Singh. She has completed her Ph.D in Biochemistry from National Institute of Nutrition(ICMR) in Hyderabad and currently working as a Post doctoral research associate at the Medical School of Wisconsin, USA The speaker, Dr.Anju Elizabeth , addressed the students on topic ‘CAREER Guidance- A shift from class to research’.

She shared her research journey experience at ICMR , Hyderabad and then moving onto USA , where she initially worked in an industrial set up followed by the current position. She guided the students on types of exams they need to prepare , she emphasised on the importance of skill development, gave a birds view on the ways by which the students can apply and get placed in Universities abroad for their research studies.

Overall it was an eye opening talk for the student community exposing them to the various career opportunities and guiding them to choose the right career for their future.

Dr.C.Anchana Devi, PG & Research Department in Biotechnology rendered the vote of thanks .

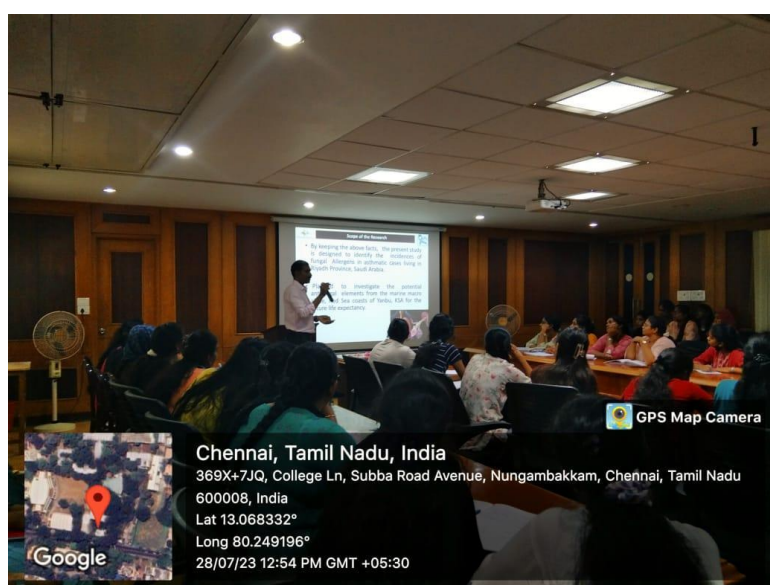


## **A GUEST LECTURE ON 'BRONCHIAL ASTHMA FUNGAL ISOLATES – THERAPEUTIC RESOURCES & RESEARCH SCOPE'**

**Speaker: Dr.Suresh Mickymary , July 28,2023**

A guest lecture on 'Bronchial Asthma Fungal isolates – therapeutic Resources & Research Scope' was organized for the Postgraduate students of Biotechnology on 21<sup>th</sup> August , 2023 from 12.30 p.m. to 1.30 p.m. at RMS conference room , RMS Block , WCC, Chennai. The programme began with a Welcome address by Dr.Priya Iyer and speaker introduction by Dr.Anita RJ Singh. Dr.Suresh Mickymary , works as Associate professor in Department of Biology , College of Science , Majmaah University , Saudi Arabia.

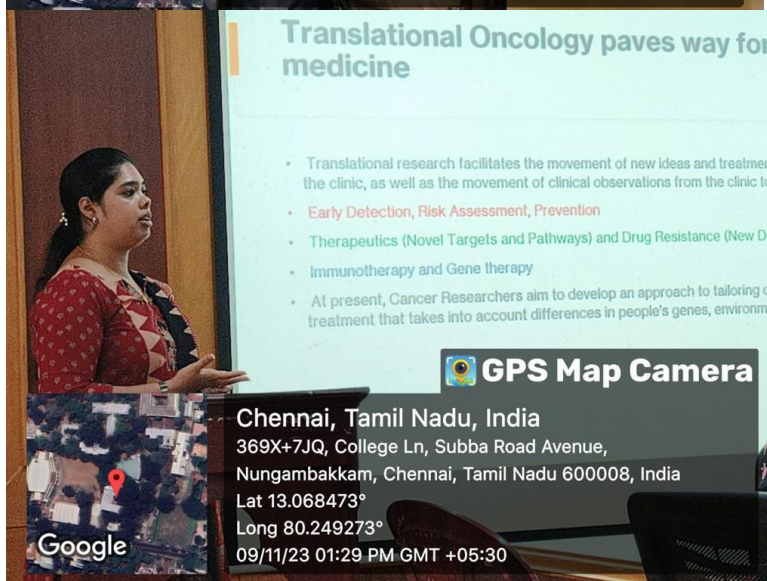
He spoke on the topic 'Bronchial Asthma Fungal isolates – therapeutic Resources & Research Scope' highlighting the scenario of Bronchial asthma caused by fungal isolates in Riyadh , Saudi. He shared his experience on collecting the samples, followed by extraction process , identification of bioactive compounds , testing antifungal activity He highlighted that only 1 % of the antifungal agent are currently in use , due to the resistance developed , he encouraged the students to explore this area of research in their higher studies. He also clarified all the doubts raised by the students. Overall it was an informative talk on Phytochemical studies for the student, where they can explore a new area in Antifungal research. Dr.C.Anchana Devi, PG & Research Department in Biotechnology rendered the vote of thanks .



## A GUEST LECTURE ON 'TRANSLATIONAL ONCOLOGY & ITS RESEARCH SCOPE'

**Speaker: Dr.Amritha Sathyanarayanan , Dec 9<sup>th</sup>, 2023**

A guest lecture on ' Translational Oncology & its Research Scope' was organized for the Postgraduate students of Biotechnology on 9<sup>th</sup> December , 2023 from 1.30 p.m. to 2.30 p.m. at RMS conference room , RMS Block , WCC, Chennai. The programme began with a Welcome address by Dr.Priya Iyer and speaker introduction by Dr.Anita RJ Singh. Dr.Amritha Sathyanarayanan, works as Post Doctoral Fellow in TATA Institute , Mumbai .She elaborated on recent technologies such as CRISPR –Cas 9 , development of cost effective diagnostic kits for detection of different types of cancers. She also emphasised on advanced techniques related to Translational oncology.



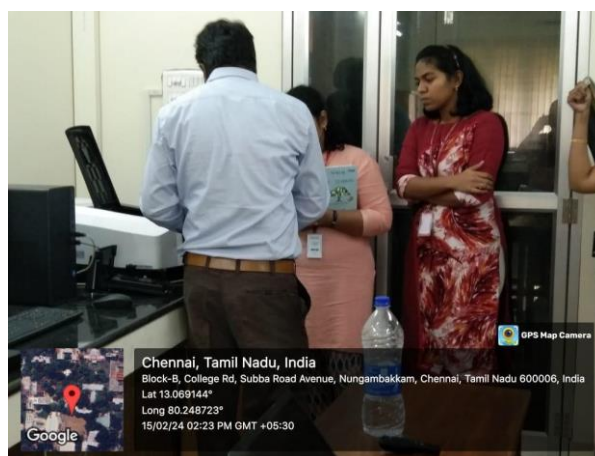
# **FACULTY DEVELOPMENT PROGRAM ON MATERIAL CHARACTERIZATION**

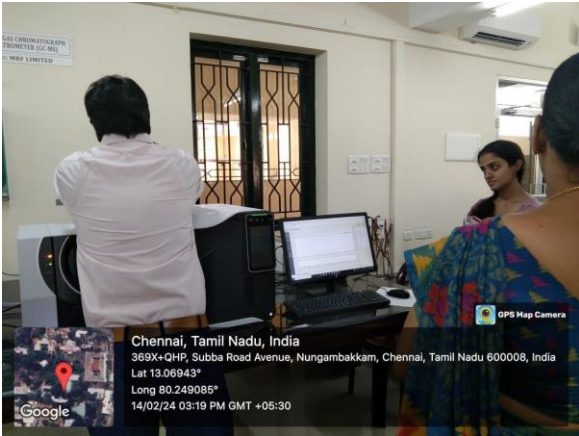
## **INSTRUMENTATION**

**Date 12.2.24 to 16.2.24**

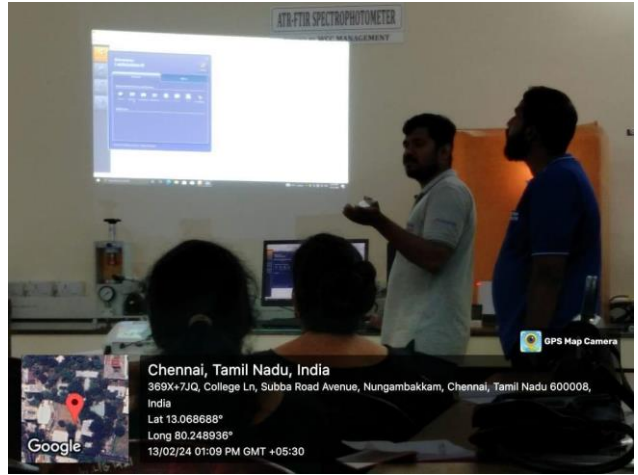
**Venue: Advanced Instrumentation Centre, MM Block**

A five day FDP on 'Material Characterization Instrumentation' was organized by the PG Departments of Biotechnology, Chemistry & Physics in collaboration with industrial partners – Shimadzu & Perkin Elmer for the Staff members and Research scholars of both Shift 1 & 2 between 12.2.2024 to 16.2.2024 from 12.30 p.m. to 2.30 p.m. at Advanced Instrumentation centre, MM Block , WCC, Chennai. The programme began with a prayer by Dr.S.G Esther Arul Mary , Chaplain , WCC followed by Welcome address & Dynamics of the Workshop by Dr.Ramalecume , Head , PG & Research Department of Chemistry , Felicitations by Dr.Elizabeth , Dean Shift –II , WCC and Vote of thanks by Dr.K.Meera, Head, PG Department of Physics. Thermal analyzer was demonstrated on Day 1(12.2.24) by Mr. Devendran from Perkin Elmer. FT IR & Fluorescence Spectroscopy were demonstrated on Day 2 (13.2.24) by Mr.Sharan Raj & Mr.Ramesh raj from Toshvin . GC- MS and UV Spectrophotometer DRS were demonstrated on Day 3 (14.2.2024) & Day4 (15.2.2024 by Mr.Shadashivam & Mr.Mohan from Shimadzu. HPLC was demonstrated by Mr.Mohammed Nabel from Shimadzu. A total of 29 participants attended the program .Overall, the five day work was a good leaning and hands on experience for the participants to learn about the principle , operations and SOP's to be followed while handling the instruments.

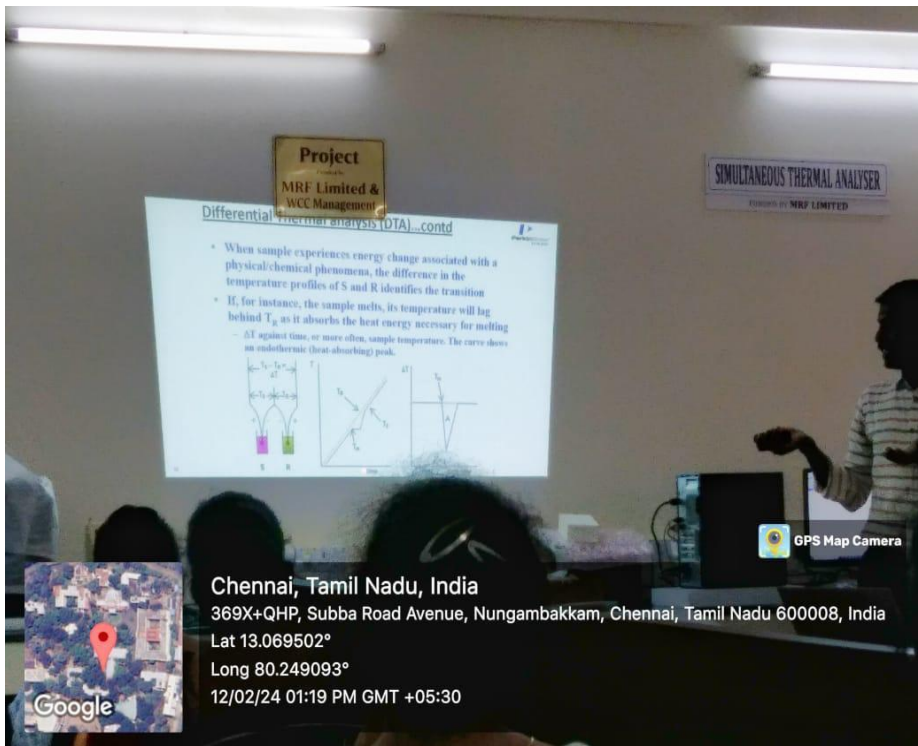




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## HEALTHY FOOD COMPETITION

The P.G & Research Department of Biotechnology (Shift II), conducted its intradepartmental Food competition for the Social ethics (B.Com –General & Corporate Economics) students on **24.1.2024 & 2.2.204** in the department. The theme of the competition was on **Healthy traditional recipes**. All the students of the class actively participated in the same. The objective of conducting this competition is to inculcate the importance of My plate concept , which is covered in the syllabi. The students submitted a brief write about the dish and its nutritive aspect. The completion helped students to understand the importance of healthy eating and explore on making different innovative recipes using healthy ingredients such as Raagi and other millets. The entries were judged by Dr.Priya Iyer , Dr.Anita RJ Singh and Dr.Preethi Jeyakumar of PG & Research Department of Biotechnology. The best 2 recipes from each class were awarded prizes to encourage the students.



# COLLAGE MAKING COMPETITION

The PG & Research Department of Biotechnology conducted a Collage making session for the I PG Social Ethics students on Factors that Show the Development of Our Country as given in the Daily Newspapers on the 5<sup>th</sup> of February 2024 during the Social Ethics Class. The objective of this activity is to emphasize the importance of getting to know the day to day happenings of the nation and enable the students to understand and realize that everyday our nation is forging ahead in various spheres and sectors of development. The students participated enthusiastically and made colourful collages and displayed the same. They were assessed and marked for their efforts.

