Activities of M. Sc Department of Year 2023-24

Post Graduate department of chemistry organizes various activities in a way to enlighten the students and to gain knowledge in the respective fields. Such as talk on Research Methodologies, talk by Expertise from Pharmaceutical industries and also on Career Opportunities, demonstration of various instrument, Seminars, workshop, field visit, Quiz, Poster presentation, and webinars. The department also motivate the students to participate in inter-collegiate events.

1) PROGRAMMING IN CHEMISTRY

On 3rd August 2023, the department organized a workshop on the topic "***Principles of Fortran programming: - Writing codes in Fortran and its application in chemistry***" for the students of M.Sc. Part-II. The speaker for the workshop was Dr. Johnross Albuquerque (Assistant Professor of Chemistry). The Faculty members Mrs. Mamata Prabhugaonkar, Ms. Kalpita Talpekar and Ms. Fami Fernandes attended the same.

2) EDUCATIONAL VISIT TO KAIGA NUCLEAR POWER PLANT-KARNATAKA

An educational visit was organized to Kaiga Nuclear Power Plant, Kaiga-Karnataka on 2nd September 2023 for M.Sc Part-II Students. Students were accompanied by faculty members Mrs. Mamata Prabhugaonkar, Ms. Kalpita Talpekar and Ms. Fami Fernandes.

3) INDUSTRIAL VISIT TO GLENMARK PHARMACEUTICAL COMPANY

On 14th October 2023, the department organized an industrial visit to Glenmark Pharmaceutical Company Colvale-Goa for M.Sc Part-II students. The students were accompanied by faculty member Mrs. Mamata Prabhugaonkar.

4) REFERENCE MANAGER TOOLS

On 18th October 2023, Post Graduate Department of Chemistry had organized a talk on "Reference Manager Tools" for M.Sc Part-II students. The speaker for the talk was Ms. Flavia

Travasso (Assistant Professor of Chemistry, St. Xavier's College Mapusa-Goa). The faculty member Mrs. Mamata Prabhugaonkar attended the talk. The session consisted of brief information on how to write the references in the dissertation project. She introduced the students with new applications like 'Zotero 6.0' an application related to 'Mendeley'. She also mentioned about the Chem sketch and chem draw apps that are helpful to draw organic structures.

5) STATE LEVEL SEMINAR ON -*QUANTUM DOTS*

On 21st October 2023, Ms. Nicole Fonseca (M.Sc. Part II) and Ms. Chrystal Braganza (M.Sc. Part I) along with faculty member Mrs. Mamata Prabhugaonkar attended the state level seminar on ' *Quantum Dots* ' at Government College of Arts, Science and Commerce, Khandola, Marcela – Goa, the speaker for the same was Prof. Santosh Haram.

6) EDUCATIONAL TOUR TO MANGALORE

From 21st to 24th October 2023, Post Graduate Department of Chemistry had organized an educational tour to Mangalore for M.Sc students. The students were accompanied by faculty members Mrs. Rupali Neje, Ms. Kalpita Talpekar and Ms. Fami Fernandes.

7) TALK ON CHEMICAL SENSING USING RAMAN SPECTROSCOPY

On 23rd January 2024, the department organized a talk on the topic 'Chemical Sensing using Raman Spectroscopy' for the students of M.Sc. Part I and Part II. The guest speaker for the session was Ms. Pratiksha Mandrekar, a PhD student, Kongju National University, South Korea. Faculty members Mrs. Mamata Prabhugaonkar, Mrs. Rupali Neje, Ms. Kalpita Talpekar and Ms. Fami Fernandes attended the talk.

8) ONE DAY STATE LEVEL INTERCOLLEGIATE EVENT *CHEMSCOPE 2024*

On 31st Jan 2024, the department organized One day state level Intercollegiate Event CHEMSCOPE 2024 for the students of S.Y.B.Sc and T.Y.B.Sc. A total of 7 colleges had participated in the event. The event was organized with an aim to promote learning chemistry in high studies and research as it is an incredible fascinating field of study. Mrs. Mamata Prabhugaonkar was the convenor of the chemscope event.

On the same day the department released first E-newsletter "**CRYSTALLITE**" Volume-I, which consisted of all the activities and achievements of the department along with articles given by the M.Sc students for the year 2023-24. The editor for the same was Ms. Fami Fernandes, (Assistant professor)