

## Department of Chemistry

### Activities of the academic year 2023-2024

#### 1. Two days hands on training program in Chem Tools (Chemdraw, Chem-3D, Rasmol, Protein data bank)

Resource Person:

26 & 27 Feb, 2024

**Dr. A. ELANGO VAN**

Associate Professor and Head

PG and Research Department of Chemistry

Thiagarajar College

Madurai – 625 009.



The Resource person delivers the introduction about computational chemistry tools to students and trained them by individual system in computer lab. The schematic representation skill in chemical molecules, formulas, structures, identifies the spectroscopic datas ( $^1\text{H}$  &  $^{13}\text{C}$  NMR, Mass value) using Chemdraw were demonstrated and trained to students for enhancing their skills. 3-Dimensional view of the molecule and molecular mechanics were demonstrated and trained by resource person in Chem-3D. Resource person demonstrated to students how to access and download the protein structure in Protein data bank (PDB). The students were trained to protein visualization software RASMOL by research person.

## 2. Ability enhancement programme on Basic Research Skills

Resource Person

23<sup>rd</sup> Jan, 2024

**Dr. A. J. SUNIJA**

Assistant Professor

Department of Chemistry

Thiagarajar College of Engineering

Madurai – 625 015.



The resource person shares her knowledge about research and basic research ideas to students for orientation towards research.

### 3. A Oneyday Workshop in “Preparation of Cleansing Agents (soap, soap oil, floor cleaner, sanitizer, dish wash del)”

**Resource Person**

**27<sup>th</sup> Dec,2023**

**Mrs. S. ESTHAR**  
Associate Professor  
Department of Chemistry  
Sethu Institute of Technology  
Kariapatti, Virudhunagar – 626 115.



The resource person demonstrated and explained the preparation of cleansing agents to the student participants from various departments of Mannar Thirumalai Naicker College. The resource person demonstrated the preparation of soap, soap oil, floor cleaner, sanitizer, dish wash gel with student assistance. There are 147 student and 5 faculty participants from various departments in our college got benefit to enhance their entrepreneurship skills. The certificate has been distributed to all the participants.

**4. Outside campus visit to Central Electro-Chemical Research Institute (CECRI)**

26<sup>th</sup> Sep, 2023



The students along with the staff members visited the outside campus Central Electro-Chemical Research Institute (CECRI) in open day.

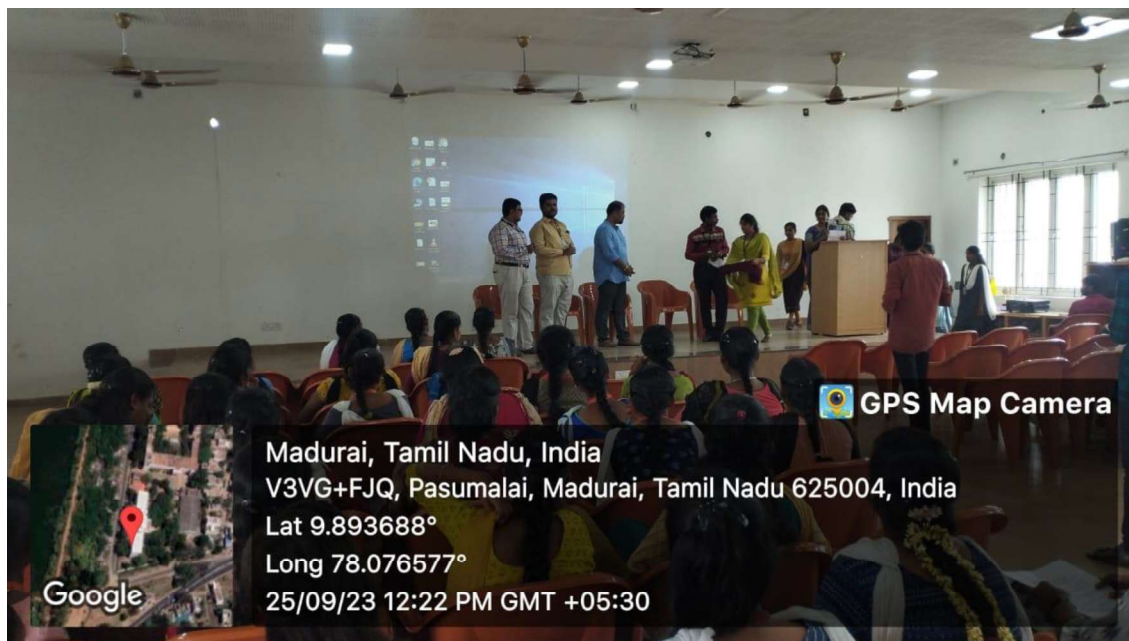
## 5. Inauguration of CHEM SPECTRA association and Guest Lecture

Resource Person

25<sup>th</sup> Sep, 2023

**Dr. K. KARTHIK KUMAR**

Assistant Professor  
Department of Chemistry  
American College  
Madurai – 625 002.



The Inauguration of student association of department CHEM SPECTRA was performed in front of the resource person Dr. K. Karthik Kumar and administrators of CHEM SPECTRA association were appointed. Resource person releases the souvenir of CHEM SPECTRA association for the academic year 2023-2024 and our Head Mrs. N. Lakshmi Kiruthika accepted it. As part of the ceremony, resource person delivered the lecture to students entitled “Merging Chemistry and Biology: Nature’s Teaching”.

## 6. Guest Lecture Programme on “Role of stereochemistry on Organic synthesis”

**Resource Person**  
**Dr. A. TAMILSELVI**  
Assistant Professor  
Department of Chemistry  
Thiagarajar College  
Madurai – 625 009.

1<sup>st</sup> Aug, 2023



The resource person delivers the wonderful lecture on “Role of stereochemistry on Organic synthesis” to students. Resource person explained in detail the role of stereochemistry in the research, shared her research experience to students and clarify the doubts of the students in gentle manner by her sound knowledge of chemistry.