

# HANDS-ON TRAINING

EXTRACTION AND PHYTOCHEMICAL ANALYSIS OF  
NATURAL PRODUCTS - *In vivo & In silico* APPROACH



## 3 DAYS WORKSHOP

### ORGANIZED BY

School of Life Sciences  
IN ASSOCIATION WITH

Crescent Bioinformatics Association



September 21, 22, 23



9am - 4pm



Conference Hall, SLS

### LIMITED SEATS

### REGISTRATION FEE

**OUTSIDERS - RS 3000/-**

**SLS STUDENTS - RS 1500/-**



**CERTIFICATES AND ON-DUTY**



**FOOD AND REFRESHMENTS**

[\*\*CLICK HERE TO REGISTER\*\*](#)



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# About the Club

The Crescent Bioinformatics Association (CBA), established in the year 2020 by the students and functioning for the students, aims to encourage interest among the students in the field of Bioinformatics. It serves as a medium to interact with various professionals in this field and instill the roots of bioinformatics to the common audience. The club is a fast-growing forum that has achieved several goals in a short period of time.

## ABOUT THE WORKSHOP

### DAY-1

- Collection of Medicinal plant
- Phytochemical Analysis
- Pharmacological Evaluation of plant extracts
- HPLC Analysis



### DAY-2

- Accessing the Database
- Target Protein and Ligand preparation
- Pharmacokinetics and Pharmacodynamics Analysis
- *In silico* toxicity prediction
- Molecular Docking and Simulations



### DAY-3

- Zebrafish Handling
- Zebrafish Disease Model
- Route of drug administration
- Organ Harvest



### CONVENOR

**Dr. S. Hemalatha**

Professor and Dean, SLS

President, CBA

### ORGANIZING SECRETARIES

**Dr. P. Ashok Kumar**

Associate Professor, SLS

**Dr. A. Baskaran**

Assistant Professor, SLS

Faculty Coordinator, CBA

### MODERATORS

Ms Shabnam Ameenudeen, SLS

Mr Mohamed Juvad NajeerAhmad, SLS

Ms Srirathi Muthuraman, SLS

Ms Parvatha Vardhini. P, SLS

### PRE-REQUISITES

- Laptop
- Lab Coat



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