

GOVERNMENT DEGREE COLLEGE FOR WOMEN, BEGUMPET



HYDERABAD, TELANGANA-500016
AUTONOMOUS
(AFFILIATED TO OSMANIA UNIVERSITY)

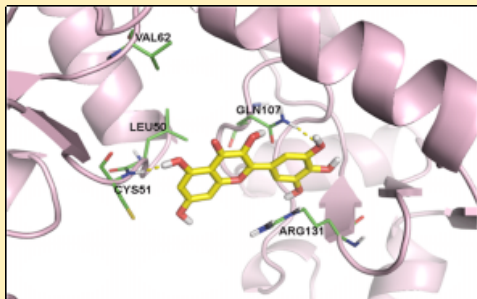


Reaccredited By NAAC with A+ Grade (4th cycle) with 3.5 CGPA

STATE LEVEL FDP ON

"Molecular Docking Studies in Drug Discovery"

on
March 10th, 2023



Organized by

DEPARTMENT OF CHEMISTRY

(Under Graduation and Post Graduate)

AND

DEPARTMENT OF BIOTECHNOLOGY

Venue:

Conference Hall

Government Degree College for Women (A),

Begumpet, Hyderabad

PATRON

Prof. K. Padmavathi

Principal, GDCW, Begumpet, Hyd

CHIEF GUEST

Prof. M. Vijulatha

Principal, Telangana Mahila Vishwavidyalayam, Koti, Hyd

ADVISORY COMMITTEE

1. Dr. M. Vasudha, Vice Principal
2. Dr. Kastoori Srinivas, PG Co-Ordinator
3. Dr. Annie Sheron, IQAC Co-Ordinator
4. Dr. K. Vijay Kumar, COE

CONVENER

Dr. G. Pranitha, Assistant Prof. of Chemistry
Head, Department of Chemistry

Contact No. 9666313844

Mail id: pranithagavi@gmail.com.

Co-CONVENERS

1. Dr. Rafiya Sultana, Assistant Prof. of Chemistry

Mail id: rafiya.khasime@gmail.com.

2. Ms. V. Rohini, HOD, Asst. Prof. of Biotechnology

RESOURCE PERSONS

1. Dr. Purushotham Uppula, Director, Qstatix Pvt.Ltd., Hyd.
2. Dr. Karunakar Tanneeru, Director, Qstatix Pvt.Ltd., Hyd.

ORGANIZING COMMITTEE

1. Ms. M. Prabhavathi, Asst. Prof. of Chemistry
2. Mr. K. Purnachandar Rao, Asst. Prof. of Chemistry
3. Ms. B. Shantikala, Asso. Prof. of Chemistry
4. Dr. K. B. Shanthy Sudha, Asso. Prof. of Chemistry
5. Dr. G. Rajitha Devi, Asso. Prof. of Computers
6. Ms. V. Pranathi, Guest Lecturer in Biotechnology

For further queries, kindly contact

Dr.G.Pranitha, 9666313844

Dr.Rafiya Sultana, 9177251500

About The College

Government Degree College for Women, Begumpet, Hyderabad was established in 1971. It is located centrally at Begumpet and caters to the needs of the girl students of twin cities and also the nearby districts. The college provides University education to deserving candidates in a secular atmosphere and is committed to serve the economically weak, Socially underprivileged and needy students. During the last four decades the college has grown from strength to strength and presently helps about 3700 students to access UG & PG education. With an objective of "Empowerment of Women through Knowledge", the college helps the students to become truly empowered citizens. The college has been Reaccredited by NAAC with A+ Grade in the 4th cycle.

About The Departments

The Department of Chemistry was established in 1971. Now it is offering 14 UG & PG Programmes with 670 students and 6 experienced faculty. The Department is offering one certificate course on ChemDraw & Chem Sketch. Chemistry faculty have published two Text books for III & IV semester students in 2021. The faculty constantly encourages students for doing projects to improve their research and presentation skills and also conducts workshop on Daily used products to inculcate entrepreneurship skills every year. The Department is fully equipped with sophisticated instruments like UV-VIS Spectrometer, Rota-Vapor, Deioniser, etc. Among other achievements, the students of our department have secured First Prize in state level Jignasa Student Study Project in 2022.

The Department of Biotechnology was established in 1998. Now it is offering 7 programmes with 250 students. The vision is to produce human resources tailored to drive innovation in Biotechnology and to train the students to take up a wide variety of roles like researchers, scientists, consultants, entrepreneurs, academicians. The department has MOU'S and linkages with National Institutes and offers regular training programmes to the students.

About the FDP

This FDP is a capacity building for science lecturers in computational applications of chemistry & Biochemistry using Molecular modeling to obtain a new approach in drug design processes. Drawing and visualizing three dimensional structure of molecules and calculating their Physico-Chemical & Biological properties are the most valuable information to the pre-experimental work. Present FDP will provide a basic platform to the faculty and postgraduate students to attain an immense knowledge in the field of Drug discovery using molecular docking approaches, which can be disseminated to the students by the trained lecturers.

Objectives of FDP

- ✓ Introduction to Computer aided drug discovery.
- ✓ Introduction to Molecular Docking.
- ✓ Introduction to Biological databases(PUBMED,RCSB)
- ✓ Working with MGL Tools
- ✓ Molecular docking with Autodock
- ✓ Visualizations & Docking Analysis (PYMOL).
- ✓ Hands on session on Molecular Docking.
- ✓ Demonstration of UV-VIS Spectrophotometer

Program Schedule

9:00am-9:30am	Registration
Session-1: 9:30am-10:15am	Inaugural session
10:15-10:30am	Tea break
Session-2: 10:30am-11:45 pm	Introduction on Molecular Docking and Databases Speaker: Dr. Purushotham Uppula, Director, Qstatix Pvt.Ltd.
Session-3: 11:45-1:00pm	Demonstration on Molecular docking using Autodock Speaker: Dr. Karunakar Tanneeru, Director, Qstatix Pvt.Ltd.
1:00-1:45pm	Lunch Break
1.45-2.00pm	Demonstration on UV-VIS Spectrophotometer
Session-4: 2:00-3:30pm	Hands-on session on Molecular docking with Autodock By Dr. Purushotham Uppula, Director, Qstatix Pvt.Ltd.
3:30pm-3:45pm	Tea Break
Session-5: 3:45-5.00pm	Hands-on session on Molecular docking with Autodock By Dr. Karunakar Tanneeru, Director, Qstatix Pvt.Ltd.
5:00-5.15pm	Valedictory

REGISTRATION

Registration Link: <https://forms.gle/JJ8KoutRNYVegayd6>

Registration Fee: Rs 200/- (Which includes lunch)

Last Date for Registration: 06-03-2023

Bank Name: CANARA BANK

A/C Name: Principal Government Degree College

A/C No: 30682010014733

IFSC Code: CNRB0013068

Branch: Begumpet, Hyderabad