



# Valediction

Venue: **AOELab**

Welcome Address : **Dr. R. Rameshwari**  
Associate Professor & Head  
Department of Biotechnology  
Cauvery College for Women (A), Trichy

**Feedback Session**

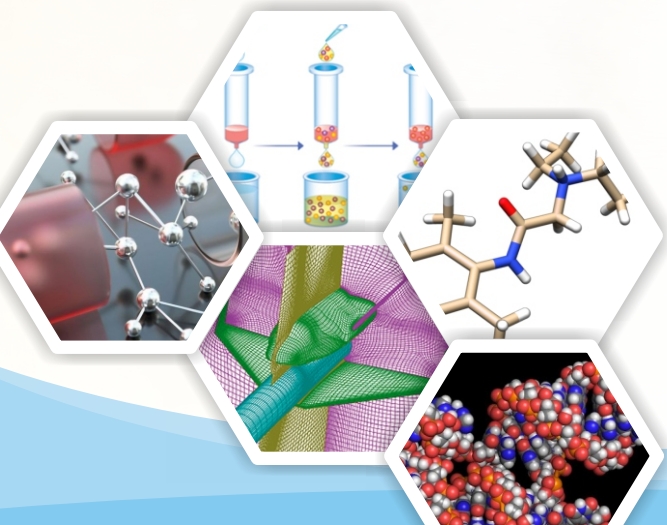
Certificate Distribution : **Mr. K. Thiruneelakandan**  
Secretary  
College Governing Council  
Cauvery College for Women (A), Trichy

Vote of Thanks : **Dr. R. Umamaheswari**  
Assistant Professor  
Department of Biotechnology  
Cauvery College for Women (A), Trichy

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# DEPARTMENT OF BIOTECHNOLOGY

**TIRUCHIRAPPALLI, TAMIL NADU, INDIA**

**Nationally Accredited (III Cycle) with "A" Grade by NAAC**

**ISO 9001:2015 Certified**

Organizes  
One Day Workshop on

# "Molecular Docking"

6  
Sep. 2023



**Hitech Lab**  
**Cauvery College for Women**



# Inauguration

Venue: **AOE Lab**

9-9.30 a.m. : **Registration**

9.30-10.00 a.m. : **Inauguration**

Welcome Address : **Dr. V. Sujatha**  
Principal  
Cauvery College for Women (A), Trichy

Honouring the Resource Person : **Mr. K. Thiruneelakandan**  
Secretary  
College Governing Council  
Cauvery College for Women (A), Trichy

Introduction to Resource Person : **Ms. R. Nevetha**  
Assistant Professor  
Department of Biotechnology  
Cauvery College for Women (A), Trichy

About the Programme : **Dr. S. Parthasarathy**  
Professor (Retd)  
Department of Bioinformatics  
Bharathidasan University, Trichy

Vote of Thanks : **Dr. R. Rameshwari**  
Associate Professor & Head  
Department of Biotechnology  
Cauvery College for Women (A), Trichy

## Session I:

### **"Bioinformatics and Molecular Docking"**

#### **Dr. S. Parthasarathy**

Professor (Retd)

Department of Bioinformatics  
Bharathidasan University, Trichy

#### **Session II : Hands on Training 1**

- Installation of softwares
- MGL tools – AutoDock, PyMol
- Downloading protein file from PDB
- Downloading ligand file from PubChem
- Visualisation tools
  - PYMOL
  - Swiss PDB Viewer
  - RasMol

#### **Session III : Hands on Training 2**

- Molecular Docking using Autodock
- Protein Preparation
- Ligand Preparation
- Grid Generation
- Execution of command
- Analyse Docking Results

