

**POSTGRADUATE AND RESEARCH DEPARTMENT OF CHEMISTRY  
VIVEKANANDA COLLEGE**

**ONLINE FACULTY DEVELOPMENT PROGRAMME  
ON  
COMPUTATIONAL CHEMISTRY (Under DBT Star College Scheme)  
25<sup>th</sup> March 2022, Friday**

**Postgraduate & Research Department of Chemistry**

**Vivekananda College**



**(Residential & Autonomous – A Gurukula Institute of  
Life-Training)  
College with Potential for Excellence  
Re-accredited with 'A' Grade (CGPA 3.59 out of 4.00)  
by NAAC  
Affiliated to Madurai Kamaraj University,  
Tiruvudakam West – 625 234, Madurai, Tamil Nadu**



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Convenor**

**Dr.G. Balakrishnan  
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Dr.S. Ellairaja**

**Online Faculty Development  
Programme  
on  
Computational Chemistry  
(under DBT Star College Scheme)  
Resource Person**



**Dr.K.N. Vennila  
Senior Research Associate  
CSIR Scientists' Pool Scheme  
Department of Chemistry  
The Gandhigram Rural Institute  
Gandhigram – 624 302  
Tamil Nadu**

**Topic: Molecular Docking in Drug Discovery**

**[Click here for registration](#)**

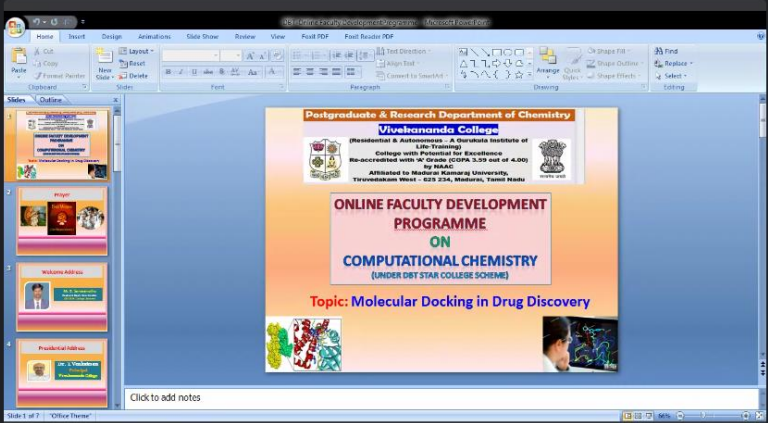
***Date: 25.03.2022, Friday ; Time: 10.00 am***

- ❖ No registration fee
- ❖ E-certificates will be provided only for the attended participants
- ❖ Limited to 100 participants only on first come first serve basis

11:09 AM | qgh-ezit-jsh

https://meet.google.com/qgh-ezit-jsh?pli=1&authuser=1

CHEMISTRY VC is presenting



Participants:

- kannan a
- Venkata Narayana...
- Dr. Deepthi Jayan...
- Vennila Natesan
- Ruchi Kohli
- Dr.M.Ganapathi
- Dharma Anandam
- 3 others
- You

10:15 AM | qgh-ezit-jsh

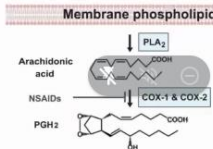
10:30 AM | qgh-ezit-jsh

https://meet.google.com/qgh-ezit-jsh?pli=1&authuser=1

Vennila Natesan is presenting

**Paracetamol – Mechanism of action**

- acts by inhibition of cyclooxygenase (COX)-mediated production of prostaglandins



Prostaglandins contribute to the development of the cardinal signs of acute inflammation.

Participants:

- kannan a
- Komathi Jaganath...
- MANIKANDAN S (...)
- Dr.M.Ganapathi
- Vennila Natesan
- Muneer Ahamath
- Dr. Deepthi Jayan...
- 9 others
- You

11:09 AM | qgh-ezit-jsh

Vennila Natesan is presenting

**Biomolecular structure determination**

- X-Ray Crystallography
- Solution NMR
- Electron Microscopy
- Neutron Diffraction
- Solid State NMR
- Solution Scattering
- Fiber Diffraction
- Powder Diffraction
- EPR
- Theoretical Model
- Infrared Spectroscopy

Participants:

- Sulochana Jojan
- CHEMISTRY VC
- Dr S H FAIZI
- Dr.M.Ganapathi
- Vennila Natesan
- p.maharaja Raja
- Dr. Purvesh Shah
- 16 others
- You

## Report:

A one-day online faculty development programme on “**Computational Chemistry**” under DBT Star College Scheme was organised via google meet on 25<sup>th</sup> March 2022, Friday by Postgraduate and Research Department of Chemistry, Vivekananda College, Tiruvedakam West. Dr.G.Rajkumar and Dr.G.Balakrishnan, convenor and organizing secretary respectively, scheduled this programme. The treasurer of this FDP programme was Dr.M.Ganapathi. The Inaugural session commenced at 10.00 a.m. with prayer “*Om Sahanavavathu*” followed by welcoming the gathering by Sri.B.Servaramuthu, Head and Assistant professor of Chemistry. Dr.M.Ganapathi, Assistant Professor of our department, summarised the resume and introduced the resource person to the virtual audience.

The technical session commenced at 10.15 am. Dr.K.N. Vennila, Senior Research Associate, CSIR Scientists’ Pool Scheme, Department of Chemistry, The Gandhigram Rural Institute, Gandhigram – 624 302. She delivered a lecture on **Molecular Docking in Drug Discovery**. Her lecture on computational chemistry was highly informative and beneficial which we interpreted from active participation of staff in the chat box.

Eighty five participants from institutions scattered across the country registered this programme. Certificates were distributed online to the registered mail id after the submission of feedback form which carried a positive opinion and optimistic words about the webinar programme. At the end, vote of thanks was proposed by Dr.G.Balakrishnan, Assistant Professor of our department. The meet ended with prayer “*Sarve Bhavanthu*”.