

## Organizing Committee

Sri. Vellappally Natesan (Patron)  
Dr. K. Shiny Sreedhar (Principal)  
Dr. M S Latha (Head of the Department)  
Dr. Sheela S Fernandez  
Dr. Remadevi B  
Smt. Jisha Sreedharan  
Dr. Anju K S  
Dr. Reshmi R  
Dr. Smitha Sasidharan

For further details contact convenors:-

**Dr. Smitha Sasidharan**  
Mobile: 7025646365

**Dr. M S Latha**  
Mobile: 9400648068

## Registration Form

Name: .....

Designation.....Department.....

Organization:.....

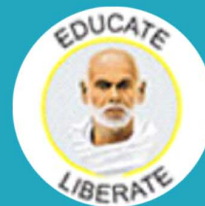
Contact No:.....E-mail:.....

### Registration Fee:-

**Faculties/Researchers : 2000/-**

**PG Students : 500/-**

*Registration is limited to 30 participants and last  
Date for registration is March 20, 2018. The Registration fee may be transferred  
in favour of Dr. M.S Latha, HoD, Department of Chemistry to the Ac No: 1159010001159  
at Federal Bank Ala Branch*



Estd : 1981

## SREE NARAYANA COLLEGE CHENGANNUR

Alappuzha, Kerala.  
Aided College Affiliated to the University of Kerala  
NAAC accredited with Grade 'B'

### Two Day Workshop on

## “Computational Modeling and Drug Design”

4<sup>th</sup> & 5<sup>th</sup> April 2018

Venue: SN COLLEGE, CHENGANNUR

ORGANIZED BY  
POST GRADUATE DEPARTMENT OF CHEMISTRY  
In association with  
ACADEMY OF CHEMISTRY TEACHERS (ACT)

Dear sir/ Madam,

Sree Narayana College, Chengannur is a major centre for higher education offering educational opportunities to the rural community of Chengannur and Mavelikkara. The College started functioning in 1981, and is named after the great saint and social reformer Sree Narayana Guru. The basic objective of the institution is to provide education to the marginalised section of the society. The college offer five under graduate courses and three post graduate courses.

Computational modeling techniques have long been used for the synthesis of molecular structure and play a vital role in the drug design process. Fast expansion in this area enabled, identification of molecular targets and an increasing database of publicly available target protein structures. Post Graduate Department of Chemistry offers the use of Schrodinger software for the screening of therapeutic activity of drugs and design of new drug molecule. The workshop focuses to give fundamental as well as advanced level of knowledge on computational modeling and drug designing. Fundamentals of computational modeling, bioinformatics, protein modeling, ligand binding site analysis, docking methods, ADME prediction and use of phytochemical drugs will be discussed. Hands on training on software usage and assistance to develop strategies for new drug design may be provided. We intend to promote the scientific aspirations of post graduate students, researchers and faculties from various colleges in Kerala. The Department of Chemistry cordially invite all the faculties and research scholars of your esteemed institution to participate in the workshop.

Convenor  
**Dr. Smitha Sasidharan**

Head of the Department  
**Dr. M S Latha**

Principal  
**Dr. K Shiny Sreedhar**

## PROGRAMME

### DAY I, 4/4/2018

9:00 am : Registration  
10.00 -10.45 am : Inaugural Session  
Prayer : College choir  
Welcome : **Dr. M S Latha**  
Head, Department of Chemistry, SN College Chengannur  
Presidential Address : **Dr. K Shiny Sreedhar**  
Principal, SN College Chengannur  
Inaugural Address : **Prof. Sabu Thomas**  
Vice Chancellor  
Mahatma Gandhi University, Kottayam  
Felicitation : **Dr. Sheela S Fernandez**  
Associate. Professor., Department of Chemistry, SN College Chengannur  
: **Dr. Manohar D Mullassery**  
General Secretary, ACT  
Vote of Thanks : **Dr. Smitha Sasidharan**  
Assistant professor, Department of Chemistry

### Technical Session I

10.45-11.30 am : **Dr. Nandakumar Kalarikkal**  
Key note address : Director, IIUCNN, Mahatma Gandhi University, Kottayam  
11.30-11.45 am : Tea Break  
11.45-12.45 pm : Invited talk  
Topic : **Dr. Sreejalakshmi**, Associate Professor, IIST, Trivandrum  
12.45-1.45 pm : **"Fundamentals of computational modeling"**  
Lunch Break

### Technical Session II

1.45-2.30 pm : **Dr. M S Latha**, Head, Department of Chemistry  
Topic : **"Introduction to Drug Designing"**  
2.30-4.00 pm : Training Programme on Computational Modeling I

### Day II, 5/4/2018

### Technical Session III

9.30-10.30 am : Training Programme on Computational Modeling II  
10.30-11.15 am : Invited talk  
Topic : **Dr. K Santhosh Kumar**, Scientist F, RGCB, Trivandrum  
11.15-11.30 am : **"Current Trends in Drug Designing"**  
Tea Break  
11.30-12.45 pm : Training Programme on Computer Aided Drug Design  
12.45-1.45 pm : Lunch Break

### Technical Session IV

1.45-2.30 pm : Invited talk  
Topic : **Dr. Gopakumar G**, Scientific Officer, IGCAR, Kalpakkam  
2.30-3.00 pm : **"Applications of Computational Drug Design"**  
Discussion and Feed Back  
3.00-3.15 pm : Tea Break  
3.15-4.00 pm : Valedictory Function