

#### ORGANIZING COMMITTEE

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- Chairman : Mrs. S. Kalaiselvi  
Principal In-charge
- Convener : Mrs. M. Malarvizhi  
Assistant Professor in Chemistry, HOD
- Organizing Committee : Mrs. S. Umadevi  
Assistant Professor in Chemistry  
Mrs. R. Chitradevi  
Assistant Professor in Chemistry  
Mrs. V. Anitha  
Assistant Professor in Chemistry  
Dr. J. Bhuvanewari  
Assistant Professor in Chemistry  
Dr. M. Indrani  
Assistant Professor in Chemistry  
Dr. E. Vaishnavi  
Assistant Professor in Chemistry

#### Address for Communication



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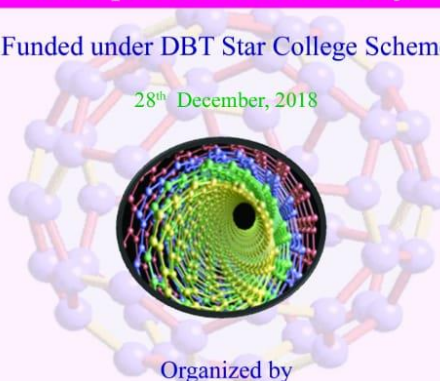


We cordially invite you all for the  
One Day International Seminar  
on

## Frontiers in Nanotechnology and Computational Chemistry

Funded under DBT Star College Scheme

28<sup>th</sup> December, 2018



Organized by

Department of Chemistry  
Sri GVG Visalakshi College for Women  
Autonomous & Affiliated to Bharathiyar University  
Re-Accredited at 'A' Grade by NAAC[CGPA 3.53]  
An ISO Certified Institution.  
Udumalpet- 642 128

#### The Host Institution

Sri GVG Visalakshi College for Women, appeared in the academic map of Tamilnadu in 1952 as the first women's college in the then composite Coimbatore district comprising Erode, Coimbatore and Nilgiris. The college works on the vision of the founder, renowned Philanthropist and Industrialist, Sri G.V.Govindasamy Naidu, "To Educate and Empower rural Women". The college obtained Autonomy in 1995, ISO 9001:2008 certification in 2011, and Reaccreditation with 'A' grade by NAAC (Third cycle with CGPA 3.53) in 2013. The college continuously aims to enlarge the scope and variety of higher education by offering innovative, traditional and contemporary courses. The college is implementing the concept of Outcome Based Education from the academic year 2017-18 onwards. The college strives to empower students through women making education for life and living and live up to the ideal set by the motto of the college "Not for Self, But for All". Community and Extension activities in villages are a regular feature of our college. Our college has been developing rapidly as one of the best and leading higher learning institutions in Tiruppur district and has made a mark in the arena of higher education.

#### About the Department

The Department of Chemistry was established in the year 1962. The Department has an excellent academic record and has bagged several ranks of Bharathiar University, Coimbatore, for several consecutive years. The Chemistry laboratories are well furnished and equipped with instruments like Electro Chemical Work Station, UV- Visible spectrophotometers, Flame photometer, Polarogram, Muffle furnace etc. The Department has received funds from UGC to carry out minor research projects. The Department is financially supported by the Department of Science and Technology under the DST-FIST funding and has also been identified to participate in DBT-Star College scheme for enhancing the activities of the Science Departments. Many National Seminars/Workshops under various fields of chemistry have been organized every year with funds received from various funding agencies. The Department has well qualified and experienced faculty members. Faculties have publications of research articles in reputed National and International journals. A reasonable institute-industry interaction with a good placement record exists in the Department. The Department of Chemistry has a well established academic track record of having produced more than 2000 chemistry graduates. It has an excellent academic record in preparing students for career and higher studies.

#### Objective of the Seminar

This seminar aims at disseminating knowledge through invited lectures by eminent scientists in the domain of Nanoscience and Computational Chemistry. The research areas in chemistry is growing at a phenomenal pace. It is necessary to have regular seminars and conferences on various aspects of it. Hence the Department of Chemistry is organizing the seminar on 'Frontiers in Nanotechnology and Computational Chemistry' with the aim of gathering together scientists, researchers, academicians and students to have valuable discussion and exchange the scientific information. It would also endeavor to provide a broad background and observe different dimensions of various scientific applications. We anticipate that interaction on such key areas would generate sustainable solution to global changes and also influence the inquisitive minds to appreciate their future course in Chemistry.

#### Programme Schedule

Registration : 9.00 am - 9.30 am

Inaugural Session : 9.30 am – 11.00 am

Welcome Address : Mrs. M. Malarvizhi,  
Assistant Professor and Head, Department of Chemistry

Presidential Address : Mrs. S. Kalaiselvi  
Principal In-charge

Inaugural Address : Dr. V. Venkateswaran  
Former Principal and Dean, Physical Sciences  
Sree Saraswathi Thyagaraja College, Pollachi.

Vote of Thanks : Mrs. S. Umadevi, Assistant Professor in Chemistry

Technical Session I : 11.15 am – 12.30 pm Topic: Computational Chemistry

Resource Person : Dr. M. Dhandapani  
Associate Professor of Chemistry  
Sri Ramakrishna Mission Vidyalaya College for Arts and Science,  
Coimbatore.

Technical Session II : 1.30 pm – 2.30 pm

Topic: In-situ recrystallization: A faster top-down approach to prepare Zeolite nanocrystals

Resource Person : Chokkalingam Anand  
Project Researcher, Okubo-Wakihara Lab  
Department of Chemical System Engineering School of Engineering,  
The University of Tokyo, Tokyo 113-8656, Japan.

Technical Session III : 2.30 pm – 3.30 pm Topic: Zeolite for medicals and CO<sub>2</sub> capture

Resource Person : S. Vishnu Priya  
Project Researcher, Institute of Industrial Science  
Department of Materials and Environmental Science,  
The University of Tokyo, Japan.

Valedictory Session : 3.30 pm – 4.30 pm

Welcome Address : Mrs. R. Chitradevi, Assistant Professor in Chemistry

Valedictory Address : Dr. Nagarajan Loganathan  
UGC - Assistant Professor, School of Chemistry  
Bharathidasan University, Tiruchirappalli.

Vote of Thanks : Mrs. V. Anitha, Assistant Professor in Chemistry