

## Seminar Report: National Seminar on "Recent Trends in Chemistry"

*Organized by:* Department of Chemistry, Government College, Kariavattom

*Funded by:* Directorate of Collegiate Education, Government of Kerala

*Date:* 05th, 06th & 07th February 2019

*Accreditation:* NAAC B Grade

**Introduction:** The three-day National Seminar on "Recent Trends in Chemistry" held at Government College, Kariavattom, from February 5 to 7, 2019, marked a significant milestone in the history of the Chemistry department. Accredited with NAAC B Grade, the seminar was organized by the Department of Chemistry and funded by the Directorate of Collegiate Education, Government of Kerala.

**Highlights:** The seminar witnessed an unprecedented number of teacher participants and students, totaling 110 participants. The event successfully covered a diverse range of topics that not only touched upon the advancements in Chemistry but also their implications on human society. The quality of presentations and discussions showcased modern trends in Chemistry.

One of the key attractions was the presence of an excellent team of resource persons, each an expert in their respective fields. The seminar aimed to create a platform for knowledge exchange and foster a deeper understanding of contemporary issues in Chemistry.

**5-2-2019 (Wednesday)**

**Session V**  
9:30 am - 11:00 am  
**Thermoelectric materials: Generation of electricity from waste heat**  
Dr. Vijayakumar C. Nair  
Senior, Photo Science and Polymer Division, IISCT (CSIR), Thiruvananthapuram

**Session VI**  
11:00 am - 12:30 pm  
**Statistical Thermodynamics**  
Dr. S. Sugunan  
Executive Professor, Dept. of Applied Chemistry, CUSAT

12:30 pm - 1:30 pm : Lunch Break

**Session VII and VIII**  
1:30 pm - 4:30 pm  
**Statistical Thermodynamics**  
Dr. S. Sugunan  
Executive Professor, Dept. of Applied Chemistry, CUSAT

**6-2-2019 (Thursday)**

**Session IX**  
10:30 am - 11:30 am  
**Photo Polymers for advanced applications**  
Dr. Ramakrishna R.  
Senior Project leader, CSIR-MSC, Pondicherry

11:30 am - 1:30 pm : Paper and Poster  
2:30 pm - 4:00 pm : Valedictory Session

**Paper Presentation:**  
Those who wish to present papers in the seminar are requested to email their full papers with abstract to [collwettbewerb@gmail.com](mailto:collwettbewerb@gmail.com). The soft copies of the full paper should be sent in word format before 28-01-2019.

**Format of the Paper:**  
The author's name, designation, name of the institution along with the email id and contact number should be specified just below the title. Abstracts must be typed clearly using font style Times New Roman on A4 size paper, spacing should be 1.5. Font size should be 12. The should be saved and saved with font size 14.

**Guidelines for Poster Presentation:**  
Poster size - A1 size (594 x 841 mm). Poster content should be organized into sections such as: Introduction, Materials and Methods, Results and Discussion, Conclusion and Acknowledgements.

**Registration:**  
Interested teachers are requested to register their names with the coordinator of the seminar by email on or before 28-01-2019. Participants are eligible for duty leave. Rest House and Child Presentation will be provided.

**No Registration Fee**  
For further details contact:  
Dr. Sankish S.  
Mob: 9476330034  
E-mail: [sankishsuresh1985@gmail.com](mailto:sankishsuresh1985@gmail.com)

**National Seminar on Recent Trends in Chemistry**  
**February 5-7, 2019**

Organized by  
Department of Chemistry  
Government College, Kariavattom  
Thiruvananthapuram

Sponsored by  
Department of Collegiate Education  
Government of Kerala

<p>Dear Sir / Madam,</p> <p>The Department of Chemistry, Government College, Kariavattom is organising a three-day National Seminar on "Recent Trends in Chemistry" from 03-02-2019 to 07-02-2019. The seminar aims at updating the scientific and academic communities with the current advancement in different areas of Chemistry and will provide them a platform for interaction and exchange of ideas.</p> <p>We cordially invite the participation of faculty members, research scholars and post graduate students of your institution.</p> <p>Thanking you,</p> <p>Dr. B. Uthakrishnan Nair, Principal Dr. Sachin S. Cooray</p> <p>Organizing committee          Dr. Anil S.          Dr. Sudheer B.          Dr. Ajith B.          Dr. Sudheer K.R.          Dr. Sachin K.S.          Dr. Raj C.R.          Dr. Divyanshu S.</p>		
<p><b>PROGRAMME</b></p> <p><b>3-2-2019 (Tuesday)</b></p> <p><b>Session I</b></p> <p>9.00 am Registration</p> <p>9.30 am - 11 am Inaugural session</p> <p>Prayer</p> <p>Welcome</p> <p>Dr. Sachin S. Head of the Department</p> <p>Presidential Address</p> <p>Dr. B. Uthakrishnan Nair, Principal, Govt. College, Kariavattom</p> <p>Inaugural Address</p> <p>Dr. T.S. Anirudhan, Professor and Director, School of Physical and Mathematical Sciences, Dept. of Chemistry, University of Kerala, Kariavattom Campus, Triv.</p> <p>Felicitation</p> <p>Heads of Various Department</p> <p>Keynote address</p> <p>Dr. T.S. Anirudhan</p> <p>Vote of Thanks</p> <p>Sudheer B., Asst. Professor in Chemistry, Govt. College, Kariavattom</p>		
<p><b>Session II</b></p> <p>11.00 am - 12.30 pm Chemistry in Crime Investigations</p> <p>Dr. Sachidanandan P, Asst. Director (Explosive), Kerala Police Forensic Science Laboratory, Police Head Quarters, Thiruvananthapuram</p> <p>12.30 pm - 1.30pm Lunch Break</p> <p><b>Session III</b></p> <p>1.30 pm to 3.00pm Supra Molecular Chemistry - Chemistry beyond the molecule</p> <p>Dr. M.R. Sudarsana Kumar, Former Principal, M.G. College, Thiruvananthapuram</p> <p><b>Session IV</b></p> <p>3.00 pm - 4.30 pm Stereo Chemistry of Organic Compounds</p> <p>Dr. Dinesh Babu K.V, HOD, Dept. of Chemistry, Govt. College for Women, Thiruvananthapuram</p>		

### Resource Persons:

1. Dr. Sachidanandan P, Assistant Director (Explosive), Kerala Police Forensic Science Laboratory, Thiruvananthapuram.
2. Dr. T.S Anirudhan, Professor & Director, School of Physical & Mathematical Sciences, Department of Chemistry, University of Kerala, Kariavattom Campus.
3. Dr. M.R Sudarsana Kumar, Former Principal, M.G College, Thiruvananthapuram.
4. Dr. Dinesh Babu K.V, HOD, Department of Chemistry, Govt. College for Women, Thiruvananthapuram.
5. Dr. Vijayakumar C Nair, Scientist, Photo Science and Photonic Division, NIIST (SCIR), Thiruvananthapuram.
6. Dr. S. Sugunan, Emeritus Professor, Department of Applied Chemistry, CUSAT, Cochin.
7. Dr. Harikrishna R, Scientist & Former Project Leader, CSIR-NCL, Pune.

**Activities:**

The participants, including teachers and research scholars, actively engaged in presenting their papers and posters. The seminar concluded with an enriching valedictory function where no negative feedback was reported, highlighting the overall success of the event.

The best paper and poster were recognized and awarded during the valedictory function, acknowledging the outstanding contributions of the participants.



Name	Designation	Residents Address	Phone & Email	Signature
Dr. M.R. Subramanian Kumar	Former Principal, N.V. College T.V.M.	Pochampalli, To Alapp Chettuvannal Sree Narayana P.O. Thiruvananthapuram	944772020 subramanian@ gmail.com	
JAMINI M	Asst. Prof. of Govt. College, Alangudi	Alangudi, Mangal Kanjapuram P.O. TVM	9546345254 jamini@ gmail.com	
Dr. Dinesh Babu KV	Asst. Professor in Chemistry, Govt. College for Women	House No. 20, Thrippunithur Dattathrippada Muttarayal P.O. TVM-25	9446668255 dineshbabukv @hotmail.in	
Dr. Jagannathan C. Nair	Scientist, CSIR-ARIES Pulimuttom	VAPA No. 111 Choralamandalam Kannur P.O. TVM-2	9447525515 c.nair@aries india	

**Conclusion:** As the Co-Coordinator of the seminar, Dr. SANTHOSH S expressed sincere gratitude to all individuals directly or indirectly involved in making the event a success. The positive feedback from participants reflected the wholehearted engagement and knowledge dissemination that took place during these three days.

This National Seminar not only strengthened the academic standing of the Chemistry department but also fostered a spirit of collaboration and learning among the participants. The success of this event lays a strong foundation for future endeavors and further cements the college's commitment to advancing knowledge in the field of Chemistry.