



# ACADEMY OF CHEMISTRY TEACHERS

Thiruvananthapuram, Kerala

Reg No: 774/91

## ANNUAL REPORT 2009-2010

### Dear Friends

I am happy to present the Annual report of ACT during the year 2009-2010. The annual general body of **Academy of Chemistry Teachers (ACT)**, held at Mar Ivanios College, Trivandrum on 23-02-2008 elected the following as office bearers of ACT for the period 2008-2010.

*President*

**Dr. Ajith Verghese George**  
(Christian College, Chengannur)

*Vice President*

**Dr. V.K. Remadevi**  
(Govt. Arts College,  
Thiruvananthapuram)

*General Secretary*

**Dr. I.G. Shibi**  
(S.N. College, Chempazhanchy)

*Treasurer*

**Prof. B. Ramesh Kumar**  
(NSS College, Pandalam)

*Secretary*

**Dr. Jadu Samuel** (Mar Ivanios College,  
Thiruvananthapuram)

*Secretary*

**Dr. Manohar D. Mullasseril**  
(Fatima Mata National College, Kollam)

**MEMBERS, EXECUTIVE COMMITTEE**

Dr. Abraham George (Mar Ivanios College,  
Thiruvananthapuram)

Dr. M.R. SudarsanaKumar (MG. College,  
Thiruvananthapuram)

Dr. Alexander Varghese Vaidyar (St. Stephens  
College, Pathanapuram)

Prof. P.K. Viswanathan (S.N. College,  
Chempazhanchy)

The Annual general body meeting for the period 2008-2009 was held at S.N. College Chempazhanchy on 28-03-2009. The meeting approved the report and the accounts for the year 2008-2009, presented by the General Secretary and Treasurer respectively. A Farewell meeting was organized to honour the retiring faculty members on the same day. An executive meeting of ACT was held on the day to plan different programmes to be carried during the year 2009-2010.

ACT conducted a workshop based on **ORGANIC SPECTROSCOPY** on 28<sup>th</sup> March 2009 (Saturday) at S.N. College, Chempazhanchy. **Dr. G. Jayakumar** (Principal, Mannam memorial NSS College, Kottiyam) lead the deliberations and presented a scientific approach to solve problems in spectroscopy. The workshop arrived at a consensus regarding the type of questions to be asked and the pattern of mark distribution to be followed in the PG practical (organic) examination. Teachers of 16 colleges where PG programme in Chemistry is offered, actively participated in the workshop and contributed their views and suggestions regarding the conduct of the organic practicals.

Another major achievement of the current year was the launching of our own website **[www.actkerala.org](http://www.actkerala.org)** on 28-03-2009 By Dr A. Salahudeen Kunju. The website is open for all for their contributions of ideas in chemistry for the benefit of students and researchers. Your valuable suggestions to improve the content matter of the website are solicited.

The presentation of Dr. **G. Jayakumar** and major decisions of the workshop were uploaded in our website for the benefit of student and teachers. Later on, an organic spectral database was prepared by ACT and the same was sent to representatives of all colleges as email attachment.

ACT expressed its willingness to collaborate with The Dept. of Chemistry of MG College, Thiruvananthapuram, the Dept. of Chemistry of NSS College for Women, Neermankara, Thiruvananthapuram and with the Dept. of Chemistry S.N. College, Chempazhanchy for organizing and conducting National/State level seminars/workshops on **“Emerging trends in Phytochemistry”** **“The Nexus Between Chemical**

**Principles and Industrial Application"** and **"Green Chemistry"** respectively sanctioned by the UGC in the coming year.

Prof. T.N. Manoharan and Dr. I.G. Shibi presented demonstration of Chemical experiments before a Group of school students at a summer camp at Government School, Kariavattom, at a Vacation Class organized by Thrippadagiri Residents Association, Thrippadapuram, Trivandrum and at a summer camp at Hindustan Latex, Trivandrum in May 2009.

Continuing with the mission of spreading the awareness in frontier areas of chemistry, ACT organized a **Lecture Series** with focal theme – **"Modern trends in Chemistry" on 27<sup>th</sup> March 2010, 10.00 am at NSS college, Pandalam.** Dr. G. Jayakumar (Principal NSS College, Pandalam) inaugurated the programme. Dr. Abraham George (HOD of Chemistry, Mar Ivanios College, TVM), Prof. T.N. Manoharan (HOD Chemistry, S.N. College, Chempazhanthy), Dr. M.R. Sudarsanakumar (Dept of Chemistry, M.G. College, TVM) and Dr. I G Shibi (Dept of Chemistry, S.N. College, Chempazhanthy) presented papers on **Introduction to computational chemistry, Graphene- A miracle material, Supramolecular chemistry and Green analytical chemistry** respectively. Around hundred PG students and teachers from various colleges in Chemistry attended and appreciated the programme.

ACT organized an Inter Collegiate Quiz competition on 24-03-2010 at Fatima Matha National College, Kollam in which twenty four students from various colleges participated. Mr. Ananthakrishnan R. and Mr. Shine A of S.N. College, Chempazhanthy and Miss Dilu Devarajan and Miss Binu Sreejayan of Dept of Chemistry, University of Kerala, Kariavattom, bagged first and second prizes respectively. Consolation prizes were also distributed to the other participants. Dr. Reena Ravindran and Dr. Manohar D. Mullasserri were the quiz masters.

The lecture series On "Computational Chemistry" organized by ACT during 2008 has ushered in a new era in chemical education in our colleges since the programme has motivated students and teachers which is evident from the fact that, at present many PG students from various colleges are doing their M.Sc Dissertation work in computational Chemistry. ACT has now planned to organize a 'Hands on experience in Computer Aided Drug Design' on 6<sup>th</sup> and 7<sup>th</sup> May 2010 at S.N. College, Chempazhanthy in association with Chemoinformatics group at MC College, Calicut and Schrodinger Inc. Bangalore.

We acknowledge the help rendered by the Dept. of Chemistry of **S.N. College Chempazhanthy, Fatima National College, Kollam and NSS college, Pandalam** for the successful conduct of various programmes organized by ACT.

The membership fee from several colleges were not received so far and many of the other programmes which were planned initially were not materialized due to financial constrains.

Let me express my sincere thanks to Dr. Varghese Vaidyan for his generous financial support to ACT.

I am also happy to announce that our journal JACT will be released on 6<sup>th</sup> May 2010 during the programme at S.N. College, Chempazhanthy.

To conclude I express my gratitude to the office bearers and members for their cooperation and support.

Chempazhanthy  
19-04-2010

Dr. I.G. Shibi  
General Secretary