



ACADEMY OF CHEMISTRY TEACHERS

Thiruvananthapuram, Kerala

Reg No: 774/91

ANNUAL REPORT 2008-2009

Dear Friends

I am happy to present the Annual report of ACT during the year 2008-2009. 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, Chempazhanthy)

Treasurer

Prof. K. Ramesh Kumar

(NSS College, Pandalam)

Secretary

Dr. Jadu Samuel (Mar Ivanios College, Thiruvananthapuram)

Secretary

Manohar D. Mullasserri

(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, Chempazhanthy)

The report for the year 2007-2008 and the accounts were presented by the General Secretary and Treasurer respectively. An executive meeting of ACT was held on the same day to plan different programmes to be carried during the year.

ACT extended its help in organizing a UGC sponsored Two Day Regional Seminar on "NEW DEVELOPMENTS IN CHEMISTRY" Organized by the Department of Chemistry by HHMSB NSS college for women, Neeramankara, Thiruvananthapuram on 26th & 27th of AUGUST 2008. Dr.E.P Yasodharan, Director, KSCSTE inaugurated the seminar. Dr. Ajay Ghosh of NIIST spoke on the relevance of material science, and Dr. K.G.K Warriar of NIIST presented a paper on Nano materials. Dr. C.S.P Iyer of IITMK delivered a talk on the Analytical Procedures in Environmental monitoring and Dr. Biju of University of Kerala presented paper on Nanotechnology. The credit for

the success of the academic event goes to the faculty of HHMSB NSS college for women, Neeramankara.

Continuing with the mission of spreading the awareness in frontier areas of chemistry, ACT organized a **Lecture Series** based on *Computational Chemistry*. The programme at **Christian College, Chengannur** was inaugurated by the Principal Dr. Jacob George on 16-10-2008. The Resource person was **Dr U.C. Abdul Jaleel** of Department of Chemoinformatics, Malabar Christian College, Calicut. On the next day the programme was held at **S.N. College Kollam**. Principal. **Prof. K.P. Mohanan** inaugurated the programme. On **18-10-2008** the venue for the programme was **Govt. Women's College**, Trivandrum.

The focus of the lecture was on the following topics, *ab initio*, semi empirical molecular mechanics, SCF MO wave functions for open shell state RHF, ROHF & URHF methods, Basis sets, STO & GTF. Introductory DFT, Z-matrix of simple molecules H₂O, CO₂ & NH₃.

Around 330 post graduate students of Chemistry and more than sixty teachers belonging to twenty seven colleges under the jurisdiction of University of Kerala attended the lecture series. All participants were unanimous in their opinion about the excellent presentation and have acknowledged the worth and gravity of the topic. The lecture series has ushered in a new era in chemical education in our University area. The porogramme has motivated the students and teachers which is evident from the fact that, at present many PG students from various colleges who had attended the class are doing their M.Sc Dissertation work in computational Chemistry. It is worth mentioning that many of them are associating and seeking guidance from Dr. U.C. Abdul Jaleel.

The printed version of the presentation were distributed during the programme itself. A CD which included some of the web resources and free softwares related to Computational Chemistry and Drug Design were sent to each college for distribution among members of ACT.

We acknowledge the financial assistance rendered by the Chemistry faculty of **Christian College, Chengannur**, **S.N. College Kollam**, **Govt. Women's College, Trivandrum** for the conduct of the Lecture series.

Another major achievement of the current year is the launching of our own website www.actkerala.org on today. The website will be 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. Let me express my sincere thanks to Dr. U.C. Abdul Jaleel for his valuable suggestions in designing the website and for his generosity to do it virtually free of cost.

Members of ACT were also seriously involved themselves in the five day Workshop on 'Restructuring of Under graduate programmes' held under the auspices of Higher Educational Council and University of Kerala. Members strongly raised their apprehensions about the proposed modifications to be effected form next academic year onwards.

Efforts to bring out our journal JACT was initiated and we expect to publish the next issue during the coming academic year.

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.

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

Chempazhanthy
28-03-2009

Dr. I.G. Shibi
General Secretary