Seminar Report

The Dept of Chemistry of Devanga Arts College, Aruppukottai, Virudhunagar district organized a three day lecture workshop on “Emerging Trends in Chemistry” from 18th July to 20th July 2014. In the Inaugural session Dr.T.Esakkidurai Co-Ordinator of this workshop welcomed the gathering Dr.B.Ravikumar, Principal delivered the presidential address. Prof.S.Natarajan Indian Institute of Science, Bangalore, Co-Convener of this workshop narrated the need and necessity of such programme mentioning the mission and vision also. G.Rajkumar Secretary of the college felicitates this workshop. In the Inaugural address Prof.S.Chandrasekarn Indian Institute of Science, Bangalore made a fact that we are in 21st century with more expectations which would be possible only by making use of the opportunities properly. No need to hesitate questioning whether it is right or wrong, that would sharpen your intelligence, which is the first step of scientific aptitude and make you to go to the higher altitude. One must learn to equip himself by means of using internet, the world of information. Programme of this type is a facilitating mechanism to sensitize science. Attending this programme shall show a turning point in your future career. 30 faculties, 20 research scholars and 100 postgraduate students from various college participated in this programme. Prof.M.Palaniandaver, Central University of Tamilnadu, Thiruvarur is the Convener of this workshop. Mr.S.Kumar, Asst.Prof of chemistry proposed vote of thanks.

Prof.S.Chandrasekaran, IISc – Bangalore has delivered two lectures on 18.07.14

1. Sustainable Development and Green Chemistry Part - I

2. Sustainable Development and Green Chemistry Part - II

Prof.S.Natarajan IISc – Bangalore has delivered two lectures on 18.07.14

1. The Usefulness of coordination chemistry in the design of new solids.

2. Acids and bases in synthetic Inorganic Chemistry

Prof.Krishna P Kaliappan, IIT Bombay has delivered two lectures on 19.07.14
1. Diels Alder Reaction: An Inexpensive Route to Complex Molecules

2. Organic Synthesis: Where are we now?

Prof.R.Murugavel, IIT Bombay has delivered two lectures on 19.07.14

1. Hundred years of Organoaluminium Chemistry: Twists and Turns

2. Porous Solids: What are they?

Prof.K.Pitchumani, Madurai Kamaraj University, Madurai has delivered a lecture on 19.07.14

1. Green Photo Chemical Process

Prof.S.Baskaran, IIT Madras has delivered two lectures on 20.07.14

1. Eutectic Mixture as a Novel Green Reaction Medium

2. Development of New Synthetic Methods in Organic Synthesis

Prof.P.Selvam, IIT Madras has delivered two lectures on 20.07.14

1. Nanostructured Materials and their Applications in Catalysis

2. Green Chemistry and Catalysis

Most of the participants are interacted with the Invited speakers and enjoyed the lectures. Prof.S.Baskaran, IIT Madras delivered the valedictory address. In his speech he stressed the importance of Science and Research and also role of Chemist in the present and future Scenario.

As a coordinator of this workshop, I am very much thankful to the Academy, Prof.M.Palaniandavar, Convener of this programme and Prof.S.Natarajan, Coconvener of this programme. Organizing this workshop in our college is a great honor to our Institution.
**Organising Committee**

**Principal**
Dr. B. Ravikumar  
Devanga Arts College, Aruppukottai

**Co-convener**
Dr. S. Natarajan  
SSCU, Indian Institute of Science, Bangalore

**Co-ordinator**
Dr. T. Esakkidurai  
Head, Department of Chemistry, Devanga Arts College, Aruppukottai

**Treasurer**
Mr. P. Subbaraj  
Asst. Professor, Department of Chemistry, Devanga Arts College, Aruppukottai

**Members**
Mrs. S. Hemalatha, Asst. Professor  
Mr. S. Kumar, Asst. Professor  
Mrs. M. Kavitha, Asst. Professor  
Mrs. B. Barshana Bhanu, Asst. Professor  
Mr. S. Ponraj, Asst. Professor  
Mrs. G. Deepa, Asst. Professor  
Mr. R. Karthikeyan, Asst. Professor  
Mr. M. Packiyaraj, Asst. Professor

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**Programme Schedule**

**10.45 am – 11.00 am**  
Tea Break

**11.00 am – 12.15 am**  
Technical session - XI

**Chair Person**
Professor Dr. S. Baskaran,  
DoC, IITM, Chennai

**Speaker**
Professor Dr. P. Selvam,  
DoC, IITM, Chennai

**Topic:** Nanostructured Materials and their Applications in Catalysis

**12.15 pm – 01.30 pm**  
Technical session - XII

**Chair**
Professor Dr. P. Selvam,  
DoC, IITM, Chennai

**Speaker**
Professor Dr. S. Baskaran,  
DoC, IITM, Chennai

**Topic:** Development of New Synthetic Methods in Organic Synthesis

**01.30 pm – 02.15 pm**  
Lunch Break

**02.15 pm – 03.30 pm**  
Technical session - XIII

**Chair**
Professor Dr. S. Baskaran,  
DoC, IITM, Chennai

**Speaker**
Professor Dr. P. Selvam,  
DoC, IITM, Chennai

**Topic:** Green Chemistry and Catalysis

**03.30 pm – 04.30 pm**  
Valedictory Session

**04.30 pm**  
High Tea

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Gayatri Press, Apk. 225011
Day : 1
Date : 18.07.2014 Friday
09.00 am – 09.30 am : Registration
09.30 am – 10.30 am : Inaugural Session
Welcome Address :
Professor Dr. S. Natarajan,
Co-convenor
Presidential Address :
Dr. B. Ravikumar,
Principal
Inaugural Address :
Professor Dr. S. Chandrasekharan,
DOC, IISc, Bangalore
Vote of Thanks :
Dr. T. Esakkidurai
Co-ordinator
10.30 am – 10.45 am : Tea Break
10.45 am – 12.00 noon : Technical Session – I
Chair :
Professor Dr. S. Natarajan,
SSCU, IISc, Bangalore
Speaker :
Professor Dr. K. Pitchumani,
NPC, MKU, Madurai
Topic : Sustainable Development and Green Chemistry Part – I
02.00 pm – 03.15 pm : Technical Session – III
Chair :
Professor Dr. S. Natarajan,
SSCU, IISc, Bangalore
Speaker :
Professor Dr. S. Chandrasekharan,
DOC, IISc, Bangalore
Topic : Sustainable Development and Green Chemistry Part – II
03.15 pm – 03.30 pm : Tea Break
03.30 pm – 04.45 pm : Technical session – IV
Chair :
Professor Dr. S. Chandrasekharan,
DOC, IISc, Bangalore
Speaker :
Professor Dr. S. Natarajan,
SSCU, IISc, Bangalore
Topic : Acids and Bases in synthetic inorganic chemistry
Day : 2
Date : 19.07.2014 Saturday
09.30 am – 10.45 am : Technical session – V
Chair :
Professor K. Pitchumani,
NPC, MKU, Madurai
Speaker :
Professor Dr. K. P. Kaliappan,
DoC, IITB, Mumbai
Topic : Diels-Alder Reaction: An Inexpensive Route to Complex Molecules
10.45 am – 11.00 am : Tea Break
11.00 am – 12.15 am : Technical session – VI
Chair :
Professor Dr. K. P. Kaliappan,
DoC, IITB, Mumbai
Speaker :
Professor Dr. R. Murugavel,
DoC, IITB, Mumbai
Topic : Aliphatic Chain Reactivity in Synthetic Chemistry: Twists and Turns
12.15 pm – 01.30 pm : Technical session - VII
Chair :
Professor Dr. K. P. Kaliappan,
DoC, IITB, Mumbai
Speaker :
Professor Dr. K. Pitchumani,
NPC, MKU, Madurai
Topic : Organic Synthesis: Where are we now?
03.30 pm – 03.45 pm : Tea Break
03.45 pm – 05.00 pm : Technical session - IX
Chair :
Professor Dr. K. Pitchumani,
NPC, MKU, Madurai
Speaker :
Professor Dr. R. Murugavel,
DoC, IITB, Mumbai
Topic : Porous Solids: What are they?
Day : 3
Date : 20.07.2014 Sunday
09.30 am – 10.45 am : Technical session – X
Chair Person :
Professor Dr. P. Selvam,
DoC, IITM, Chennai
Speaker :
Professor Dr. S. Baskaran,
DoC, IITM, Chennai
Topic : Eutectic Mixture as a Novel Green Reaction Medium
01.15 pm – 02.00 pm : Lunch Break
Rewind to 1980s: Higher Education in TN

- The first +2 batch passing out was in 1980.
- Options before them then:
  - Six Govt Engineering Colleges
  - Alagappa University
  - PSG CET
  - Seven Medical Colleges (all Govt)
  - One Law College
- But: At least one Science/Arts College in each Taluk.