

**KONGUNADU ARTS AND SCIENCE COLLEGE**  
**(Autonomous) Coimbatore – 641 029**

**Department of Botany**

**Department Activity for the Academic Year 2014-2015**

**PROGRAMME – 1**

**Special Lecture on “RB Loss Promotes Prostrate Cancer Metastasis”**

The Department of Botany, Kongunadu Arts and Science College (KASC), Coimbatore organized a special lecture on ‘RB Loss Promotes Prostrate Cancer Metastasis’ on 25-08-2014. The meeting was started with the prayer song by R. Anusuyadevi, II M.Sc., Botany. P. Yesodha, I M.Sc., Botany welcomed the gathering and P. Renjith, II M.Sc., Botany honoured the guests. Dr. T. Muraleeswari, Principal of our college delivered the presidential address and Dr. K. Loganakumar, Dean, Academic and R&D, KASC felicitated the gathering. The resource person, Dr. C. Thangavel, Department of Radiation Oncology, Thomas Jefferson University, PA-19107, USA delivered a lecture on the topic “RB Loss Promotes Prostrate cancer Metastasis”. In his lecture he explained RB loss occurs commonly in Neoplasia but its contributions to advance cancer have not been assessed directly. He show that RB Loss in multiple murine models of cancer produces a prometastatic phenotype and he said RB Loss drives metastatic capacity and high lights RHAMM for treating advance prostrate cancer. Eighty participants from our college have attended the lecture. The deliberations are most useful for the staff, students, scholars and they had discussion with the lecture. Finally vote of thanks was proposed by E. Babeesh, II M.Sc., Botany. The programme was ended with National Anthem.



Lecture by Dr. C.Thangavel, Department of Radiation Oncology, Thomas Jefferson University, PA-19107, USA.



Audience at a glance

## **PROGRAMME – 2**

### **One day workshop on ‘Herbal Formulation and Health Care’**

An one day workshop for UG students of Botany, numbering 90 has been conducted by the Department of Botany, Kongunadu Arts and Science College, Coimbatore entitled “Herbal Formulation and Health Care” on 01.10.2014. Dr. C. Sagayam, Chairman, Alternate Medicine, Pondicherry, has inaugurated the function. He explained the importance of Siddha and Ayurveda system of medicines in our day to day life. He gave a special emphasize on need for species conservation strategies. He has demonstrated on how the herbal plants are used to cure complicated diseases without side effects. He gave a clear idea on a wide range of health care practices, products and therapies.

Dr.P. Sumathi, Assistant Professor in Botany, Kongunadu Arts and Science College gave hands on training for the participants on how to make herbal tea, rheumatic oil, bath powder, hair oil, common pain relief tablets and herbal snacks at home based remedy. All participants were well trained on herbal product preparation and enjoyed well.



**One day workshop on “Herbal formulations for health care” for UG students**



**Exhibition of Medicinal Plants and its Products**

### **PROGRAMME – 3**

#### **Special Lecture on ‘Endemic Plants of South India and Source of Novel Metabolites’**

The Department of Botany, Kongunadu Arts and Science College, Coimbatore organized a special lecture on ‘Endemic Plants of South India and Source of Novel Metabolites’ on 17-03-2015 at 2.00 p.m. The meeting was started with prayer song by G.Shalini, I M.Sc., Botany, the welcome address was given by K.Praveen Kumar, II M.Sc., Botany. Dr. T. Muraleeswari, Principal of our college delivered the presidential address and Dr, K. Logankumar, Dean, Academic and R&D, KASC felicitated the gathering. The resource person, Dr. S. Karuppusamy, Assistant Professor of Botany, The Madura College, Madurai delivered a special lecture on the topic ‘Endemic plants of south India and source of novel metabolites’. In his lecture he highlighted the endemic plants and its novelty. He mentioned some endemic plants of southern India like *Abutilon ranadei*, *Crinum malabaricum*, *Archidendron arunachalensis*, *Andrographis* sps. *Microstegium* sps. *Strobilanthes* sps. *Clematis* sps. etc. He gave an overall sight about the endemic plants of south India and how to conserve it. Finally the vote of thanks was given by Lins Simon, I M.Sc., Botany and the programme was ended with national anthem.



Lecture by Dr. S. Karuppusamy, Assistant Professor of Botany, The Madura College, Madurai.



Audience at a glance

## **PROGRAMME – 4**

### **Special lecture on ‘Plant – Animal Interactions with Reference to Pollinators and Seed Dispersers’**

Special lecture on ‘Plant – Animal Interactions with Reference to Pollinators and Seed Dispersers’ was held on March 12<sup>th</sup>, 2015 in Department of Botany, Kongunadu Arts and Science College, Coimbatore. The program was conducted under DBT – STAR College scheme. The faculty members, research scholars and UG & PG students of various departments participated in this workshop.

The guest, Dr. P. Balasubramanian, Scientist, Salim Ali Centre for Ornithology and Natural History, Coimbatore explained the interrelationship between animals and plants of different category in various types of ecosystems and through which the maintenance of natural balance by their relationships. He emphasized the role of birds in maintaining the vegetation by effective pollination and seed dispersal. The endemic birds like great Indian Horn bill, Humming birds, Sun birds, etc. were shown by excellent photographs. As a key stone species their role in landscape management was also described well. The food chain, food web and energy flow process by involving birds as a trophic level was also explained. He concluded that the birds are the integral part of all kinds of ecosystems and are involved in the successful operation of ecosystem processes.



Dignitaries on the dais



Dr. P. Balasubramanian, Scientist, SACON, Coimbatore delivered a special lecture



## **PROGRAMME – 5**

### **One day workshop on ‘Medicinal Plants Perspectives and Practices’**

A one day workshop on ‘Medicinal Plants Perspectives and Practices’ was held on 17.03.2015 organised by Department of Botany, Kongunadu Arts and Science College, Coimbatore and supported by DBT – STAR College scheme.

The guest of the function, Dr. S. Karuppusamy, Assistant Professor of Botany, Madura College, Madurai, delivered a lecture on overall scenario in medicinal plant diversity, cultivation and marketing in India. Apart from wilds the need of cultivation of location specific medicinal plants for effective healing for good economic return were highlighted. As a megadiversity nation, India harbors around 40% of medicinal plants. However many of them are not in use even now due to the lack of knowledge and technology. Therefore he insisted the local and regional documentation of medicinal plants, development of cultivation technology and scientific validation of many medicinal plants. Sustainable utilization and conservation of medicinal plants were emphasized for the protection of our valuable germplasms. The faculty members, research scholars and UG & PG students of various departments participated in this workshop and got benefit.



Workshop on Medicinal plants – Perspectives and Practices



Dr. S. Karuppusamy, Assistant Professor in Botany, The Madura College, Madurai delivered a special lecture.



Audiance at a glance