

# **KONGUNADU ARTS AND SCIENCE COLLEGE**

## **(Autonomous) Coimbatore – 641 029**

### **Department of Botany**

#### **Department Activity for the Academic Year 2016-2017**

#### **Programme – 1**

##### **Hands on Training on ‘HPLC techniques and their applications’**

Under DBT, Star College scheme, the Department of Botany, Kongunadu Arts and Science College organized hands on training on ‘HPLC techniques and their applications’ on 13.07.2016. Dr. T. Muraleeswari, Principal of our college presided the programme. Dr. S. Paulsamy, Associate Professor and Head, Botany Department gave a key note address on HPLC techniques and its applications. He also emphasized students to improve their academic skills with this sort of techniques. Dr. N. Nagarajan, Associate Professor, Department of Botany welcomed the gathering. Dr. K. Arumugasamy, Co-ordinator of Star College and Associate Professor of Botany offered felicitation. Mr. S. Govindaraj, Senior Service Engineer, Amkette Analytics Ltd., demonstrated the system and explained the importance of HPLC in pharmaceutical industries. Dr. V. Balasubramaniam, Associate Professor of Botany proposed vote of thanks. A total number of 137 participants which include UG and PG students, research scholars and staff members of host department and other star college participatory department participated in this programme and got benefitted.



Dignitaries on the dais



Student participants during inauguration



Dr. N. Nagarajan, Associate Professor of Botany welcomed the gathering



Honorarium to chief guest Mr. S. Govindaraj, Senior Service Engineer, Amkette Analytics Ltd., Chennai by our Principal and HOD





Dr. T. Muraleeswari, Principal, KASC welcomed the gathering



Dr. S. Paulsamy, Associate Professor and Head, Dept. of Botany, KASC explained the importance of this training



Dr. K. Arumugasamy, Star College Co-ordinator and Associate Professor of Botany, KASC felicitated the function



Mr. S. Govindaraj demonstrated the HPLC instrument to our students and staff members





Dr. V. Bhuvaneshwari, Assistant Professor of Biotechnology, KASC had a hands on training with the instrument



Dr. V. Balasubramaniam, Associate Professor of Botany proposed vote of thanks

## **PROGRAMME – 2**

### **Special Lecture on ‘Microbes: Are they useful to mankind?’**

The Department of Botany, Kongunadu Arts and Science College, Coimbatore organized a lecture on 27-07-2016 at 10.30 a.m. The program was started by prayer song by Haritha Venugopal, II M.Sc., Botany. E.Swathi, II M.Sc., Botany welcome the gathering and H.Lakshmi Priya, II M.Sc., Botany honoured the guest. Dr. T.Muruleeshwari presided over the function. Dr. V.Mohan, Senior Scientist Nodal officer (FRT University), Institute of Forest Genetics and Tree Breeding, Coimbatore gave a special lecture on ‘Microbes: Are they useful to Man kind?’. The deliberation are most useful for the participants and they came to know how microbes useful to mankind rather than the harmful effect. Seventy six participants of our college have attended the lecture. Finally the vote of thanks was proposed by M. Soumya, II M.Sc., Botany. The Program was ended with National Anthem.



Dr. V. Mohan, Senior Scientist, Nodal Officer (FRT University), Institute of Forest Genetics and Tree Breeding, Coimbatore delivered the lecture on the topic ‘Microbes: Are they useful to mankind?’

### **PROGRAMME – 3**

#### **National Level Workshop on ‘Plant Identification’**

Under DBT, Star College Scheme and Department of Botany organized an one day national level workshop on ‘Plant Identification’ on 28.07.2016. Dr. V. Balasubramaniam, Organizing Secretary of this programme welcomed the gathering. Dr. S. Paulsamy, Professor and Head, Department of Botany, Kongunadu Arts and Science College gave the key note address and highlighted the importance and significance of plant identification. Smt. C.A. Vasuki, Secretary, Kongunadu Arts and Science College presided the function. Dr. T. Muraleeshwari, Principal and Dr. K. Arumugasamy, Star College Co-ordinator and Associate Professor of Botany offered felicitation. Dr. A. Rajendran, Professor and Head, Department of Botany, Bharathiar University, Coimbatore addressed the gathering. Dr.V. Thangapandian, Associate Professor of Botany proposed vote of thanks. Eminent Professors expertise in plant taxonomy delivered lectures/demonstration in various topics as detailed below:

Dr. K. Murugan, Principal, Government College, Ambalapuzha, Kerala delivered a lead lecture on the topic ‘Identification keys and economic uses of Bryophytes’. In his lecture, several species of Bryophytes, the key characters used for identification and their therapeutic potentials were well elaborated. He also emphasized the antifungal properties of certain Bryophytes and their scientific validation.

Dr. V. S. Ramachandran, Professor (Retd.), Department of Botany, Bharathiar University, Coimbatore delivered a lecture on the topic ‘Keys for the identification of Angiosperms’. Taxonomic positions, description and identification keys for certain medicinal plants were highlighted using live plant specimens. He also emphasized the importance of dichotomous key.

Dr. M. Palanisamy, Scientist – D, Botanical Survey of India, Southern Circle, Coimbatore delivered a lecture on the topic ‘Seaweeds of India’. In his



lecture, seaweeds belonging to the groups Chlorophyta, Phaeophyta, Rhodophyta and Cyanophyta were well explained. Seaweed resources in India, sustainable utilization and their medicinal importance were well explained.

Total number 156 participants which include UG and PG students, research scholars and staff members participated in this participated in this workshop and got benefitted.



Dignitaries on the dais



Dr. A. Rajendran, Professor and Head, Department of Botany, Bharathiar University, Coimbatore presented inaugural address



Dr. K. Murugan, Principal, Govt. College, Ambalapuzha, Kerala delivered a lecture on the topic 'Identification keys and economic uses of Bryophytes'



Dr. M. Palanisamy, Scientist – D, Botanical Survey of India, Southern Circle, Coimbatore delivered lecture on the topic 'Seaweeds of India'





Audience at a glance



Dr. A. Rajendran, Professor and Head, Department of Botany, Bharathiar University, Coimbatore inaugurated the Workshop





Dr. V. S. Ramachandran, Professor (Retd.), Dept. of Botany, Bharathiar University, Coimbatore explained the key characters for plant identification using live plant specimens



Plant exhibits at a glance

## **PROGRAMME – 4**

### **Hands on Training on ‘Plant Tissue Culture Techniques’**

One day hands on training on ‘Plant tissue culture techniques’ was held on 08.09.2016 in Department of Botany, Kongunadu Arts and Science College, Coimbatore. The programme was organized under Star College Scheme sponsored by Department of Biotechnology, New Delhi. The faculty members, research scholars and UG and PG students of our department and other departments of our college and other colleges participated in this training programme.

Dr. K. Karthika, Organizing Secretary of this programme and Assistant Professor of Botany, Kongunadu Arts and Science College has welcomed the gathering. Then all the dignitaries lighted the kuthuvilakku seeking the blessing of the lord of wisdom. Dr. S. Paulsamy, Head and Associate Professor of Botany, Kongunadu Arts and Science College pointed out the importance and significance of plant tissue culture techniques. His speech focused on modern technologies employed in the development of agriculture. Dr. T. Muraleeshwari, Principal of our college presided over the function. Dr. K. Arumugasamy, Star College Convenor and Associate Professor of Botany offered felicitation.

Dr. K. Kalimuthu, Assistant Professor of Botany, Government Arts College, Coimbatore delivered lecture on the topic ‘Plant tissue culture and its applications’ in forenoon session. He explained the preparation methods of various plant tissue culture media and role of growth regulators in tissue regeneration and its importance and application of plant tissue culture for the sustainable development of agriculture. He also taught the steps of callogenesis, organogenesis and hardening for various plants and uses of tissue culture for rapid propagation of highly demanded crops, several endangered/rare plants and other economically important plants. In addition, he told the modern techniques



for genetic modification of plants which depend heavily on microproagation and multiplication.

In afternoon session, Dr. S. Jamuna and Dr. K. Karthika, Assistant Professors of Botany, Kongunadu Arts and Science College have demonstrated Murashige and Skoog (MS) medium preparation, inoculation, callogenesis and organogenesis to the participants. They exhibited the ingredients of MS medium, growth regulators, media additives, callus culture and regenerated plantlets. They emphasized the need of maintenance of laboratory (fumigation). UG and PG students were trained to prepare the MS medium, sterilization and inoculation of explant. These sessions were very much innovative and they all provoked the thoughts of young minds. The sharing of several unknown facts by the resource person was a splendid experience for the participants.

In the valedictory session, Dr. K. Thenmozhi, Assistant Professor of Botany, Kongunadu Arts and Science College consolidated the report of the workshop and proposed vote of thanks. Certificates were distributed to all the participants. A total number of 195, UG and PG students from different institutes and research scholars and staff members have participated in this programme and get benefit. They were provided with seminar kits (souvenir, file and pen), refreshment and working lunch for the day of programme.



**Dignitaries on the dais**



**Dr. K. Karthika, Organizing Secretary and Assistant Professor of Botany of our college has welcomed the gathering.**



**Lighting the kuthuvilakku by guest, organizers and participants of the programme**



**Releasing the programme hand book**





**Dr. S. Paulsamy, Head and Associate Professor of Botany, Kongunadu Arts and Science College pointed out the importance of this programme.**



**Dr. T. Muraleeshwari, Principal of our college presided over the function.**



**Dr. K. Arumugasamy, Star College Convenor and Associate Professor of Botany offered felicitation.**



**The participants at a glance**





**Dr. K. Kalimuthu, Assistant Professor of Botany, Govt. Arts College, Coimbatore delivered lecture on the topic 'Plant tissue culture and its applications'**



**Dr. S. Jamuna, Assistant Professor of Botany, Kongunadu Arts and Science College, Coimbatore demonstrated the preparation to the participants**



**MS medium**





**Dr. K. Karthika, Assistant Professor of Botany, Kongunadu Arts and Science College, Coimbatore demonstrated the culture techniques to the participants**



**plant tissue**



**Honorarium to the resource person**



**Dr. K. Thenmozhi, Assistant Professor of Botany, Kongunadu Arts and Science College, Coimbatore proposed the vote of thanks**

## **PROGRAMME – 5**

### **One day workshop on ‘Indoor Gardening and Landscaping’**

One day workshop on ‘Indoor Gardening and Landscaping’ was held on 28.09.2016 in the Department of Botany, Kongunadu Arts and Science College, Coimbatore. The programme was organized under Star College Scheme sponsored by Department of Biotechnology, New Delhi.

Dr. S. Jamuna, Organizing Secretary of this programme and Assistant Professor of Botany, Kongunadu Arts and Science College has welcomed the gathering. Then all the dignitaries lighted the kuthuvilakku for seeking the blessing of the lord of wisdom. Dr. S. Paulsamy, Associate Professor and Head, Department of Botany, Kongunadu Arts and Science College pointed out the importance and significance of indoor gardening and landscaping. His speech focused on conservation of plants through gardening and their valuable utilization. Dr. T. Muraleeshwari, Principal of our college presided over the function. Eminent Professors having expertise in horticulture and landscaping delivered lectures/demonstrations in various topics as detailed below:

The resource person, Dr. S. Velmurugan, Assistant Professor of Horticulture, Office of the Controller of Examinations, Tamil Nadu Agriculture University, Coimbatore delivered lecture on the topic ‘Indoor Gardening’. He explained the different types of indoor gardens and major factors for the growth of indoor plants such as light, temperature, atmosphere, plant growth medium, etc.,. The influence of gardening in people’s life which will ultimately relieve the stress, change the mood and production ability through experiments conducted by reputed organizations has been explained. He showed different textures of leaves and adaptations of indoor plants. He also emphasized the criteria for choosing of plants for the landscaping in Western and Indian culture and gave the importance of Jad plant in China.



Dr. T. Muthukumar, Assistant Professor of Botany, Bharathiar University, Coimbatore delivered lecture on the topic 'Interior and residential landscaping'. He described the history of gardening and landscaping before 3000 years in Egypt. Use of basic elements in landscaping viz., colours, forms, line of sight, scale, texture etc., was well explained. He gave the tips to solve the problems in landscaping techniques. He showed some of the indoor gardening plants like *Draceana*, *Crotons* etc., and said that the myth of plants in India and foreign countries. He emphasized the importance of awareness about gardening and landscaping in terms of improving mental status and revenue generation.

In afternoon session, Mr. V. Murugesh, Garden Designer, Nikhil Nursery and Landscaping, Anaikati, Coimbatore has demonstrated the 'Indoor gardening techniques' to the participants which include the growing techniques of picture plant (*Nepenthus*), pepper plant in indoors and plants used for making kitchen garden. Mr. H. Abdul Kaffoor, Research Scholar, Department of Botany, Kongunadu Arts and Science College demonstrated the different shapes and culturing techniques of Bonsai. He also explained the growth medium, marketing values and instruments and tools used in Bonsai. Mr. K. Muthuraj, Research Scholar, Department of Botany, Kongunadu Arts and Science College demonstrated the garden make using waste materials like plastic bottles and also gave the importance of vertical gardening. Mr. A. Venkatachalapathi, Research Scholar, Department of Botany, Kongunadu Arts and Science College demonstrated landscape preparation in rock garden. Mr. Sangeeth Thekkan, Research Scholar, Department of Botany, Kongunadu Arts and Science College demonstrated the plants grown in Star Garden. UG and PG students were gained the knowledge in garden making and its importance. These sessions were very much helpful and they all motivated the thoughts of young minds. The sharing of several unknown facts by the resource persons was an impressive experience for the participants.

Exhibition was conducted in this workshop on the above mentioned theme. Smt. C.A. Vasuki, Secretary, Kongunadu Arts and Science College has declared open the exhibition. The students of our college and other colleges were displayed their exhibits on different topics such as vertical garden, kitchen garden, rock garden, aeroponics, medicinal garden, terrarium, indoor gardening, decorative twin ponds, environment friendly garden, hydroponics and landscaping.

In appreciating the participant's work, and for encouraging them, prizes were awarded in valedictory session. At Under Graduate level, V. Swetha Shri, B.N. Minhath, S. Harini and S. Archana of II-B.Sc., Biotechnology, P.S.G. College of Arts and Science, Coimbatore won the first prize for their exhibit on 'Vertical and Kitchen Gardening'. F. Amjith Ali Khan, S. Ram Kumar, V. Sanjeev and A. Vedhamoorthy of II-B.Sc., Botany, Kongunadu Arts and Science College, Coimbatore won the second prize for the their exhibit on 'Indoor Gardening and Landscaping'. F. Mohamed Farhan of II-B.Sc., Biotechnology, P.S.G. College of Arts and Science, Coimbatore won the third prize for his exhibit on 'Aeroponics'. At Post Graduate level G. Jamuna Shree of II – M.Sc., Biotechnology, P.S.G. College of Arts and Science, Coimbatore who displayed the exhibit on the theme 'Terrarium' and won the first prize. C. Jyothi, K.K. Swagath and G. Radha Krishnanan of II – M.Sc., Botany, Kongunadu Arts and Science College, Coimbatore has won second prize for their exhibit on 'Indoor gardening'. S. Sirisha of II – M.Sc., Botany, Kongunadu Arts and Science College, Coimbatore has won third prize for his exhibit on 'Environment friendly garden'. Participation certificates were given to all participants.

Dr. P. Sumathi, Assistant Professor of Botany, Kongunadu Arts and Science College has consolidated the report of the workshop and proposed vote of thanks. A total number of 129, UG and PG students from different institutes

and research scholars and staff members have participated in this programme and got benefit. The refreshment and working lunch were provided for the day of program.





Dignitaries on the dais



Lighting of the Kuthuvilakku by the chief guest



Dr. S. Jamuna, Organizing Secretary and Assistant Professor of Botany of our college has welcomed the gathering.



Dr. S. Paulsamy, Head and Associate Professor of Botany, Kongunadu Arts and Science College pointed out the importance of the programme.



**Dr. S. Velmurugan, Assistant Professor of Horticulture, Office of the Controller of Examinations, TNAU, Coimbatore delivered lecture on the topic 'Indoor Gardening'.**



**Token of gratitude to the resource person by Dr. S. Balasubramaniam, Associate Professor of Botany, Kongunadu Arts and Science College give away the gift.**



**Dr. T. Muthukumar, Assistant Professor of Botany, Bharathiar University, Coimbatore delivered lecture on the topic 'Interior and residential landscaping'**



**Honorarium to the resource person by Dr. V. Thangapandian, Associate Professor of Botany, Kongunadu Arts and Science College, Coimbatore.**





The participants at a glance



Smt. C. A. Vasuki, Secretary, Kongunadu Arts and Science College declared open the exhibition



Mr. V. Murugesh, Garden Designer, Nikhil Nursery and Landscaping, Anaikatti, Coimbatore demonstrated the 'Indoor gardening techniques'



Honorarium to the resource person by Dr. N. Nagarajan, Associate Professor of Botany, Kongunadu Arts and Science College, Coimbatore.





Picture plant (*Nepenthes* sp.)



Mr. K. Muthuraj, Research Scholar, Department of Botany, KASC demonstrated 'Garden make using wastes'



Mr. A. Venkatachalapathi, Research Scholar, Department of Botany, KASC demonstrated 'Landscaping in Rock Garden'







Mr. H. Abdul Kaffoor, Research Scholar, Department of Botany, KASC demonstrated the 'Bonsai techniques'



Mr. Sangeeth Thekkan, Research Scholar, Department of Botany, KASC demonstrated 'Star Garden'



Students visit in the exhibition hall





The guests, Principal and Secretary of the college are seeing the exhibits of participants.



Evaluation of student exhibit by the guest, Dr. T. Muthukumar, Assistant Professor, Bharathiar University, Coimbatore.



Certificate distribution to the demonstrator, Mr. H. Abdul Kaffoor, by Dr. S. Paulsamy, Associate Professor and Head, Dept. of Botany, KASC.





At Post Graduate level, G. Jamuna Shree of II-M.Sc., Biotechnology, P.S.G. College of Arts and Science, Coimbatore won the First Prize



At Under Graduate level, V. Swetha Shri of II-B.Sc., Biotechnology, P.S.G. College of Arts and Science, Coimbatore won the First Prize



Participant Certificate distribution by Dr. K. Thenmozhi, Assistant Professor of Botany, Kongunadu Arts and Science College, Coimbatore.



Dr. P. Sumathi, Assistant Professor of Botany, Kongunadu Arts and Science College, Coimbatore offered concluding remarks and proposed the vote of thanks

## **PROGRAMME –6**

### **National Level Symposium on “Green Ecology for Environmental Security” on 6.10.2016**

The Indian Science Congress Association, Coimbatore Chapter sponsored National Level Symposium on “Green Ecology for Environmental Security” was jointly organized by the departments of Botany and English (Aided) of Kongunadu Arts and Science College Coimbatore in the College premises on 6<sup>th</sup> October 2016. Around 167 faculty members, research scholars and students from various colleges and universities in Tamil Nadu and neighbouring states (Kerala and Pondicherry) participated. 127 abstracts were received and 64 research papers were presented by oral mode and 32 presented by oral mode.

The Inaugural Session began at 10 am in the Conference Hall. The Principal, Dr. T. Muraleeswari welcomed the gathering. Dr. C.A. Vasuki, Secretary and Director of the College and Convener, Indian Science Congress Association, Coimbatore Chapter and Patron of the Symposium presided over the function. In her Presidential Address, Dr. C.A. Vasuki briefly traced the history of the Indian Science Congress Association and the founding of the Coimbatore Chapter by the President of the college and Chief Patron of the Symposium Dr. M. Aruchami and its inauguration by the former President, Bharat Ratna. A.P.J. Abdul Kalamji. Quoting Barry Commoner’s first law of ecology, “Everything is connected to everything else,” Dr. C.A. Vasuki also highlighted the importance of maintaining ecological balance and the innovative measures taken in the college such as rain water harvesting and providing birds’ nests and recording birds spotted on the campus.

The Chief Guest of the Inaugural session was Mr. V. Ganesan, I.F.S., Chief Conservator of Forests and Field Director, Anaimalai Tiger Reserve, Pollachi. With a long and in-depth knowledge of serving in the Anaimalai forests, Mr. V. Ganesan recalled the past and the present with regard to

conservation and maintaining of the green cover. He expressed his appreciation for the novel venture in the form of collaboration between the humanities and the life sciences.

Dr. Shobha Ramaswamy, Assistant Professor of English and Organizing Secretary of the Symposium proposed the Vote of Thanks. The Technical Sessions followed.

The resource person of Technical Session I entitled “Zoopoetics – An Explication” was Dr. U. Sumathy, Associate Professor and Head, Department of English, Government Arts College, Coimbatore. Her path-breaking speech supported by a strong power-point presentation on the connection between literature and the study of animals elicited much interest from the academic community. Zoopoetics with its inclusion of animal agency enables readers to turn from an egocentric paradigm toward an ecological one. It acknowledges that nonhuman animals have imaginative capacities, beyond the “instinct” ascribed to them. They are rhetorical beings that communicate and are also cultural beings. The difference between human and nonhuman culture is merely one of degree and not of kind. Aaron Moe and Jacques Derrida were quoted as the chief literary critics in the area.

The second technical session was conducted by Er. E. Illangovan, Superintending Engineer, Parambikulam Aliyar Basin Circle, WRD, PWD, Pollachi. The topic was “Bioremediation for waste management in river basins.” Er. E. Illangovan outlined strategies for improving Environmental Planning and Management. Resources and both depleted and polluted. Proper effluent treatment plants involve huge amounts of money and industries and corporations too are hesitant to invest. Bioremediation is the application of a biological treatment, mainly microbes to the cleanup of hazardous contaminants in soil and surface or subsurface waters. As a result of this natural process, contaminants are used up completely or are converted into an innocuous



product. Er. E. Illangovan pointed out critical factors in deciding whether bioremediation is the appropriate method and described successful case studies. He concluded that bioremediation gives good results is economical and natural. Supported by power-point presentation, Mr. E. Illangovan reiterated the harmful effects of pollution and the innovative and eco-friendly method of pollution control by biological means.

The third session entitled “Man-animal Conflict – Mitigation” was conducted by Mr. S. Thangaraj Paneerselvam, Range Officer, Amaravathi Forest Division, Tamil Nadu Forest Department, Tirupur (Dt). The resource person recalled his experiences with man-animal conflict with regard to elephants, tigers and panthers in the Anamalai Hills. The elephant corridor has been fragmented due to the creation of a large number of tea estates and influx of people. Underlining the need for cooperation among the stakeholders to reduce man-animal conflict, Mr. Paneerselvam said that several meetings had been held. A rescue centre for animals had been established and equipments to enable early warning system had been purchased. Round-the clock SMS alerts, installation of sodium vapour lamps and avoidance of garbage dumping were some of the measures taken. Establishment of Anti-depredation and Disaster management centre with squad was helpful in reducing man-animal conflicts. Early warning light system had been fixed at thirty-four different locations during the last two years. Awareness training programme for plantation labourers was conducted. He described the capture and release of these animals which stray into human habitations. He gave hints on animal psychology and behaviour and gave some words of advice on how to avoid conflict.

The resource person of Technical Session IV was Ms. Anjana Srimathi, Zoo Educator, Madras Crocodile bank Trust / Centre for Herpetology, Mamallapuram. Her session, “Snakes – Villains or Victims” was highly interactive. The Madras Crocodile Bank was established in 1976 to secure the

breeding of 3 Indian crocodile species whose numbers had vastly depleted due to commercial hunting during the mid 20th century. Today, the Bank was home to 17 species of crocodilians, three of which are listed by the IUCN as critically endangered. Romulus Whitaker, the founder and others had been studying the incidence of snakebite in India and discovered that thousands of lives were lost because of the inadequate production and distribution of ant- venom serum. The recent project of the organization, Living with Snakes focuses on spreading awareness in urban and rural areas of the country on snakes, snake bite treatment and how to mitigate conflict. She also screened documentary films on “Four Deadliest Snakes of India” and “How to Avoid Snake-bite.”

Paper and poster presentations were held in eight halls within the campus. The topics selected by the presenters were of scholarly nature and were appreciated by the chairpersons.

Certificates and mementos were given to the best research papers and posters. Mr. N. Sethunarayanan, Ph.D. Research Scholar, Research and Development Centre Bharathiar University, Coimbatore won the best Research Paper Award in English for his paper “Man versus Bull: The Case of Jallikattu in C.S. Chelappa’s *Vaadivaasal*.” The best poster presentation award went to R. Raj Pratheeba, G. Yazhini Devi and V. Oviya of III B.A. English Literature, Kongunadu Arts and Science College, for “Man-animal Conflict in *Panther’s Moon*.”

The Valediction Function was held in the Conference Hall between 5 and 6 pm. The Chief Guest of the Valediction was Dr. Vijayakumar Krishnan, M.D. (Russia), Physician. Dr. Vijayakumar Krishnan spoke of his long experience in the service of the tribal people in forest areas. He warned about the mosquito menace and the role of plastic waste in the breeding of mosquitoes. He also created awareness on how the growing of palm trees could raise the water table

dramatically. The Chief Guest then distributed certificates and prizes. The function came to an end at 6 pm with the National Anthem.

The Symposium could be viewed as an eye-opener as to the common ground between the sciences and the humanities and could pave the way for more cooperative ventures involving interdisciplinary research and the collection and dissemination of information regarding ecology and the natural environment.

The Symposium created awareness about:

- The need to increase green cover and preserve biodiversity.
- Measures for sustainable development.
- Bio-remediation in waste management.
- How to avoid man-animal conflict by creating awareness and through the use of communication devices.
- How to identify poisonous snakes and avoid snake bites.
- What measures to take and what to avoid regarding snake-bite.
- Ecoliteracy to be imparted through literature.
- Appreciation of nature through reading.
- Avoidance of pollution and conservation.
- How nature and ecology are dealt with in literature and literary criticism.

The above-mentioned topics were dealt with by experts in the field with hands-on experience. The research papers also helped in increasing knowledge about various aspects of ecology including cutting-edge technology in the area. They greatly encouraged the researchers and motivated all the participants to adopt eco-friendly practices in their daily lives.





**The Chief Guest, Mr. V. Ganesan, Chief Conservator of Forests & Field Director, Anaimalai Tiger Reserve, Pollachi releases the Souvenir and receives our secretary.**



**Participants at the Symposium venue**



**Lead lecture by Dr. U. Sumathy, Associate Professor & Head, Department of English, Government Arts College, Coimbatore.**



**Lead lecture by Er. R. Ilangoan, Superintending Engineer, Parambikulam Aliyar Basin Circle, WRD, PWD, Pollachi.**



**Lead lecture by Mr. S. Thangaraj Paneerselvam, Range Officer, Amaravathi Forest Division, TN Forest Department, Tirupur (Dt.)**



**Lead lecture by Ms. Anjana Srimathi, Zoo Educator, Madras Crocodile Bank Trust / Centre for Herpetology, Mamallapuram**



**Paper presentations**





**Poster presentation**



**The Chief Guest, Dr. Vijayakumar Krishnan, M.D., Physician, bestowing a research scholar with the Best Research Paper Award.**



## **PROGRAMME – 7**

### **Special lecture on ‘Managing Anaemia & Malnutrition through Home Remedies’**

Indian Science Congress Association, Coimbatore Chapter and Department of Botany, Kongunadu Arts and Science College, Coimbatore organized a special lecture on ‘Managing Anaemia & Malnutrition through Home Remedies’ on 21.12.2016 in College campus. Dr. K. Arumugasamy, Associate Professor of Botany welcomed the gathering. Dr. S. Paulsamy, Associate Professor and Head, Department of Botany highlighting the features of this lecture. Dr.T. Muraleeswari, Principal, Kongunadu Arts and Science College presided over the function. Smt. Hemamalini, National Joint Coordinator / Home Remedies Project Director, Arogya Foundation of India, Coimbatore has delivered a lecture on “Managing Anaemia & Malnutrition through Home Remedies”. She explained the various reasons for anaemia for women and possible home remedies to cure anaemia. She also described the traditional life style practices used to control the anaemia particularly for ladies. She suggested different fruits (e.g. grapes, pomegranate, papaya, apple *etc*), vegetables (carrot, beetroot, drumstick, pumkin *etc*) and seeds (sesame, barley, ragi, green gram, fenugreek *etc*) used to treat anemic disorders. Our students gained more about anaemia awareness from this lecture. At last, Dr. P. Sumathi, Assistant Professor of Botany, the coordinator of the programme proposed vote of thanks.

Over 360 female students, research scholars and staff members of various department have participated in this programme and got benefit.



**Dignitaries on the dais**



**Special lecture by Smt. Hemamalini, National Joint Coordinator / Home Remedies Project Director, Arogya Foundation of India**



**View of audience at a glance**

## **PROGRAMME – 8**

### **Special lecture on ‘How to conserve the endemic plants? – A case study from Nilgiris, the Western Ghats’**

The Department of Botany, Kongunadu Arts and Science College, Coimbatore organized the special lecture on ‘How to conserve the endemic plants? – A case study from Nilgiris, the Western Ghats’ on 11-01-2017. The programme was started by prayer song and E.Swathy, II M.Sc., Botany welcomed the gathering. H.Lakshmi Priya, II M.Sc., Botany honoured the chief guest. Dr. T.Mulaeeshwari, Principal, Kongunadu Arts and Science College presided the function. Dr. V.S.Ramachandiran, Professor of Botany (Retd), Bharathiar University, Coimbatore delivered the special lecture. In his lecture he explained about endemic plants and how it came to extinct and explain about the importance of red data book. He deliberated the importance and conservation of endemic plants. Finally the programme was ended with vote of thanks.





Dr. V.S. Ramachandran, Professor (Retd.), Department of Botany, School of Life Sciences, Bharathiar University, Coimbatore delivered a special lecture



Audience at a glance

## **PROGRAMME – 9**

### **National Science Day Celebration**

#### **Quiz Competition**

Indian Science Congress Association Coimbatore (ISCA), Chapter and Department of Botany, Kongunadu Arts and Science College jointly organized ‘Quiz competition’ for the UG students of Life Science Departments (Botany, Zoology, Biochemistry and Biotechnology) on 16.02.2017 at 10.30 a.m. in the Botany UG Lab to celebrate Science Day, 2017. A group with 3 students from each department participated. The programme was conducted with General round, Buzzer round, Life Sciences round, Visual round and Audio round. Based on their performance and score secured by each team the winners were selected by the organizing committee. Mr. A. Alljo Paul, Mr. K. Dej Vignesh and Ms. K. Akshita of III B.Sc Zoology won the I place, and Ms. R. Shivani and Ms. S. Annapurani of III B.Sc., Botany and Ms. Pradepha of II B.Sc Botany secured II place. Thrid prize was received by Ms. Satya Abbirami, Mr.M.Rahul Prasath and Mr.Vishnu Adith of I B.Sc Biotechnology.



Quiz programme at a glance