

**KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS),  
COIMBATORE – 641029.**

**DEPARTMENT OF BIOCHEMISTRY (PG) & RESEARCH  
DEPARTMENT ACTIVITIES 2018-19**

**Inauguration of Biochemistry (PG) Association - Ori-gene of life**

The Inauguration of Biochemistry (PG) Association “**Ori-gene of life**” was held on 20.07.2018 at Conference hall of our college. Dr. J. Karthikeyan, Associate Professor and Head, Biochemistry (PG) welcomed the gathering. Dr. V. Balasubramaniam, Principal of our college presided over the function and gave away the presidential address. Dr. V. Chinnusamy, Chief Executive Officer and Dr. S. Paulsamy, Dean, Academics cum R & D felicitated the function. Dr. Modhumitha DasGupta, Scientist F, Division of Plant Biotechnology, Institute of Forest Genetics and Tree Breeding (IFGTB), Coimbatore was the chief guest and delivered the inaugural address on ‘Next Generation Sequencing and DNA Marker Discovery’. Vote of thanks was proposed by Mr. Francis Lijo Mendez, I M.Sc Biochemistry. The function ended with the National Anthem. Staff, Students of undergraduate, postgraduate and research scholars of biochemistry and other departments attended the programme.



**Guest Lecture on “Recent Advancements in Plant Science Research - A Special reference to Sugarcane”, 31.07.2018**

The Department of Biochemistry (PG) & Research organized a Guest lecture on 31.07.2018 at the Seminar Hall. Dr. G. S. Suresha, Scientist, Department of Biochemistry, Sugarcane Breeding Institute, Coimbatore was the Chief guest and gave a special address on the topic ‘Recent Advancements in Plant Science Research - A Special reference to Sugarcane’. In his speech, he emphasized on the advanced techniques employed for the plant science research like Microarrays, Fluorescence spectroscopy etc. He also told about the various opportunities available for the life science graduates in the field of Research. The participants interacted with the guest and got their doubts cleared. Dr. V. Balasubramaniam, Principal of the college presided

over the function and delivered the Presidential address. Dr. S. Paulsamy, Dean, Academics cum R & D gave the felicitation address. Dr. V. Chinnusamy, Chief Executive Officer, Dr. S. Krishnakumari, IQAC Coordinator & Associate Professor of Biochemistry and Dr. J. Karthikeyan, Associate Professor and Head, Biochemistry (PG) were also present. Ms. K. S. Abhirami of II M.Sc Biochemistry welcomed the gathering. Mr. D. Rameshkumar of I M.Sc Biochemistry proposed the vote of thanks. The Research Scholars, PG and UG biochemistry students and participants from various other departments got benefited out of the programme.

**Science Academies Lecture Workshop on “Modern approaches towards Biodiversity, Bioprospection and Conservation”, 20.08.2018 & 21.08.2018**

Two days Science Academies Lecture workshop on “Modern approaches towards Biodiversity, Bioprospection and Conservation was organized by the PG and Research Department of Biochemistry at Kongunadu Arts and Science College (Autonomous), Coimbatore on 20<sup>th</sup> and 21<sup>st</sup> August 2018. Students got an exposure to various topics delivered by Eminent Scientists like Dr.R.Raghavendra Rao, INSA Honorary Scientist, Bengaluru, Dr.M.Sanjappa, INSA Senior Scientist, Mahatma Gandhi Botanical Garden, University of Agricultural Sciences, GKVK, Bengaluru, Dr.K.R.Shivanna, INSA Honorary Scientist and Honorary Senior Fellow, ATREE, Bengaluru and Dr.K.Veluthambi, INSA Senior Scientist, Department of Plant Biotechnology, Madurai Kamaraj University, Madurai.



Earlier, in the Inaugural session, Dr.J.Karthikeyan, Coordinator of the Lecture Workshop as well as Associate Professor and Head, Department of Biochemistry (PG and Research), KASC welcomed the gathering while Dr.V.Balasubramaniam, Principal, KASC presided. The programme was felicitated by Dr,V.Chinnusamy, CEO, KASC. Dr.R.R.Rao in his inaugural speech highlighted about the importance of the workshop and various schemes of the Academies thereby encouraging the students and teachers to make benefit of them. The lecture workshop was scheduled for two days with eight lecture sessions by four eminent resource persons. On each day, there were four lecture sessions including interaction between the participants and the resource persons on their presentations. 150 participants including the students, research scholars

and faculty members of Biochemistry, Biotechnology, Botany, Environmental sciences etc., from various colleges around Coimbatore participated.

Dr.R.R.Rao spoke at length giving details, on the topic “Biological diversity & Bio-prospection: a priority agenda for sustainable utilization of bio-resources of India” besides “Medicinal Plants of India: Diversity, Conservation and Bioprospection” while Dr.K.R.Shivanna addressed the students on “The sixth mass extinction – an overview” and Dr.M.Sanjappa on the topic of “Floristic Diversity of India – an overview”. On 21<sup>st</sup> August 2019, the second day of the workshop, Dr.M.Sanjappa spoke on “Kas plateau: a Botanical Paradise”, Dr.K.R.Shivanna on “Wild relatives of crop species as important bioresources of genes needed for crop improvement” and Dr.K.Veluthambi detailed on “RNA silencing and silencing suppression in plants” and also on “Gene targeting: A powerful functional genomics itself”. During the valedictory sessions, participants gave their feedback on the programme followed by the presentation of the report of the workshop by the Coordinator. Dr.K.R.Shivanna presided over the valedictory session and delivered the valedictory address.

### **National Seminar on “New Vistas in Biological Sciences”, 11.09.2018**

#### **Sponsored by Indian Science Congress Association, Coimbatore Chapter**

Dr. M. Aruchami Research Foundation, PG and Research Departments of Biochemistry and Zoology & Research and Development Cell of Kongunadu Arts and Science College, Coimbatore jointly organized National Seminar on ‘New Vistas in Biological Sciences’ at the college premises on 11.09.2018 sponsored by Indian Science Congress Association, Coimbatore Chapter. Dr. M. Nithya Devi, Associate Professor of Biochemistry, Dr. M. Kalaiselvi, Assistant Professor of Biochemistry and Dr. S. Binu Kumari, Assistant Professor of Zoology are the organizing secretaries of this seminar. Dr. S. Binu Kumari, Organizing Secretary and Assistant Professor of Zoology, welcome the gathering. Dr. V. Balasubramaniam, Principal of the college presided over



the function. Dr. V. Chinnusamy, Chief Executive Officer and Dr. S. Paulsamy, Dean, Academic cum R & D felicitated the function. Three lectures on “Insect Pest of Tree Species and Their Management” by Dr. A. Balu, Scientist – E, Division of Entomology, Institute of Forest Genetics and Tree Breeding (IFGTB), Coimbatore, Dr. N. Senthil Kumar, Scientist – E, Division of Bioprospecting, Institute of Forest Genetics and Tree Breeding (IFGTB), Coimbatore gave lecture on “Bioprospecting of Renewable Forest Resources” and the third lecture was given by Dr. B. Sundaran, Deputy Director, Pasteur institute of India, Coonor on “Observation and Science”. Dr. M. Nithya Devi, Associate Professor of Biochemistry, KASC was delivered in the seminar. About 160 participants from various departments were participated in the seminar and got benefited.

### **One Day Workshop on ‘Mushroom Cultivation Technology’, 09.10.2018**

The Department of Biochemistry organised a one day workshop on ‘Mushroom Cultivation Technology’ on 09.10.2018. Dr.J. Karthikeyan, Associate Professor and Head, Department of Biochemistry (PG) welcomed the gathering. Dr.V.Balasubramaniam, Principal of the college gave the Presidential address. Dr. V. Chinnusamy, Chief Executive Officer of the College gave the Felicitation address.

Dr.S.Krishnakumari, Associate Professor of Biochemistry and IQAC Co-ordinator delivered a lecture on ‘Cultivation technology of oyster and milky mushroom’. Followingly, Mr.M.Karthik, Research Scholar of Biochemistry gave a lecture on ‘An overview on Mushroom Nutraceuticals’. The third



lecture was given by Dr.S.Kathiravan on ‘Entrepreneurial Value of Mushroom Cultivation’. In the afternoon session, demonstration was handled by Dr.S.Kathiravan, Mr. M. Karthik, Mrs. V. Suganthi and Ms. B. Krishna, Research scholars of Biochemistry on the various steps involved in making of the mushroom beds. The participants were also given hands-on training on making of mushroom beds. Dr.M.Kalaiselvi, Assistant Professor of Biochemistry (PG) proposed the vote of thanks. A total of 243 participants from various educational Institutions of Tamil Nadu made their presence and got benefited.

## **International Workshop on “Tiny Seeds With Global Wonders”, 11.10.2018**

### **Sponsored by Indian Science Congress Association, Coimbatore Chapter**

PG and Research Departments of Biochemistry, Kongunadu Arts and Science College, Coimbatore organized International Workshop on ‘Tiny Seeds With Global Wonders’ at the college premises on 11.10.2018 sponsored by Indian Science Congress Association, Coimbatore Chapter. Dr. M. Kalaiselvi, Organizing Secretary and Assistant Professor of Biochemistry, welcome the gathering. Dr. V.



Balasubramaniam, Principal of the college presided over the function. Dr. V. Chinnusamy, Chief Executive Officer and Dr. S. Paulsamy, Dean, Academic cum R & D felicitated the function. Dr. Albert Premkumar, Senior Research Scientist, Department of Ecology, Environment and Plant Sciences, Stockholm University, Sweden gave a lecture and technical session on “Tiny Seeds With Global Wonders” and “Exploring Arabidopsis Genome Mines”. Vote of thanks was give by Dr. M. Nithya Devi, Organizing Secretary and Associate Professor of Biochemistry, KASC. About 110 participants from various departments were participated in the workshop and got benefited.