

**ST.JOSEPH'S COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)  
CUDDALORE – 1**

**A Christian Minority Institution, Re-accredited by NAAC with 'A' grade  
Recognised u/s 2(f) & 12 (B) of the UGC Act, 1956**



**PG & RESEARCH DEPARTMENT OF BIOCHEMISTRY**

**ANNUAL REPORT 2017-2018**

The Inauguration of Biochemistry Association for 2017-18 was held on 20-07-2017, in M.A. Ratchagar Hall. The event was formally inaugurated by lighting the kuthuvilaku by the chief guest in the presence of Rev.Fr.Secretary, Vice Principal, and Controller of examinations and other staff members of Department of Biochemistry. The chief guest for the occasion was Dr. C. MANIVANNAN, B.S.M.S District Siddha Medical Officer, Director of Ayush, Govt. Hospital, Cuddalore District and delivered a lecture on **“LIFE STYLE IN PRESENT SCENARIO”**



The Department organized a NATIONAL SEMINAR on “Environment & Occupational Health (NSEOH 2017) on 9<sup>th</sup> September 2017. The chief guests Dr. T.P.Sastry, Principal scientist & Head, Bioproducts Lab, CLRI, Chennai briefed about the value added products from biological waste and Dr. P.Kanguane, Director, Biomedical informatics, chief Editor, Bioinstrumentation, described the experience of his research from Biotechnology to

bioinformatics to healthcare. The invited speakers Dr.L.Subita, Asst. Professor, Department of Preventive and Communicative Medicine, JIPMER, Puducherry has highlighted the working methods and various models followed in working atmosphere to maintain good health and she pointed out the negative effects of current working atmosphere in technical session I. In technical session II, Dr. Gyanendra Singh, Scientist-B & Head, Reproductive and Cytology Lab, National Institute of Occupational Health, Ahmedabad, has elaborated the role and transmission of Epstein-Barr virus in humans and explained the environmental condition which is responsible for the transcription activation of Nuclear Antigen 1 Protein in Epstein-Barr virus. This technical session was done through webinar. Dr. Pugazhendy, Asst. Professor from Annamalai University has explained the ill effects of plastics in both humans and environment and pointed out the importance of bioplastics in preventing these ill effects in next technical session. In technical session IV, Dr. Veni Subramaniyam, Scientist, Centre Interdisciplinary Research Facility, MGMC & Research Institute, Sri Balaji Vidyapeeth Campus, Puducherry has highlighted the various Occupational Diseases and its Socio-Economic Impacts. Paper presentation sessions were conducted parallel in Rev.Fr. Paulraj Kumar Seminar hall from 10.30 AM to 4.00 PM. 113 participants from other colleges and 365 participants from our college took part in this seminar. Best paper and the best orators were honored in the valedictory function. A souvenir was also released on this occasion.





In a move to bring out the inherent talents of the students and to suffice the quest for their knowledge, a paper presentation competition was organized by the Department of Biochemistry on 27th November, 2017 at 10.30 am for shift-I & 2.00 p.m for shift-II in M.A.Ratchagar hall. The competition mainly focused on the themes “Environment toxicology, Bioremediation & Latest advancement in environmental protection”. Nearly 35 students from PG and UG were participated in this competition. Mrs. S. Celine Hilda Mary and Mr. A.Lawrance, Asst. Professor of Biochemistry, acted as judges for this event and valued the wonderful presentation of the students and evaluated them based on their creativity, presentation skill and subject knowledge.





Twenty eight of our PG and UG students along with 4 staff members had participated in the “National Seminar on Frontiers in Biomimicry Medicine” on 6th October 2017 conducted by the Department of Microbiology and Biochemistry, Thiruvalluvar Arts and Science College, Kurinjipadi. Our students Ms S.Samundeeswari of I-M.Sc., Biochemistry won the 2nd prize in paper presentation and Ms C.Lavanya Devi of III B.Sc., Biochemistry won the 2nd prize in poster presentation.

On 20th September 2017, Our sixteen PG and UG students along with 2 staff members have participated in the “International Symposium on Health Care System in Cancer Biology” conducted by Adhiparasakthi College of Arts & Science (Autonomous), Kalavai. Our student Ms K.Kalaivani won the first prize in poster presentation with cash award of Rs-2000/- .

The poster presentation was organized on 18th September 2017 from 10:30 a.m to 5.00 p.m in Biochemistry lab. The programme was inaugurated by Rev.Fr.Secretary. The competition focused on topics “Biological importance of Marine resources, Advancement in industrial crops and new horizon in medical treatment”. Nearly 75 students from UG & PG enthusiastically participated in this competition. Mrs.Thenmozhi, Assistant Professor, Department of Zoology, the judge of the event, has valued the wonderful presentation of the students and evaluated them based on their creativity. The best posters in Shift I & shift II were selected and they will be honored during valedictory function.

The PG & Research Department of Biochemistry organized two days (on 21st and 22nd September 2017) Workshop on **Electrophoretic Techniques** for the PG students. Dr. Kannappan Sriramajayam M.Sc., M.Phil., Ph.D.. Post-doctoral Researcher, Department of Pharmacology, School of Medicine, University of Maryland, Baltimore, USA gave hands on training on PAGE, SDS-PAGE and Submarine gel Electrophoresis for the separation of proteins and nucleic acids and discussed the trouble shooting methods.



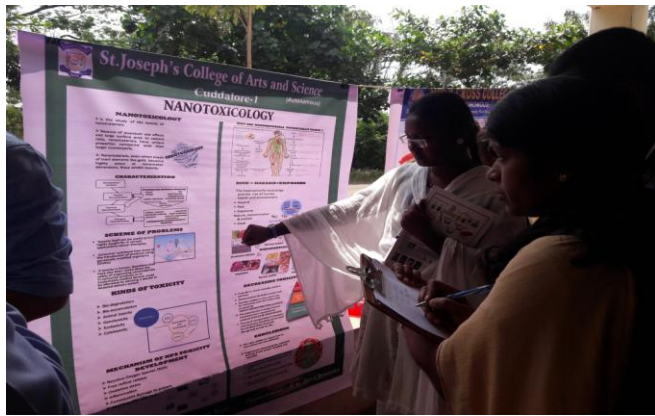
The Department project titled “Antioxidant, Antiinflammatory and Antimicrobial activity of three different Indian Mango seeds” was initiated after the approval from the research apex committee of the management for the academic year 2017-18.

To understand the industrial process and to build industrial academic relationship, the PG students along with 4 staff members went to Tamilnadu Food Grains Marketing Yard in Madurai on 05-01-2018 as part of our association activities. We learned various methods of food preservation and storage and quality testing of food grains mainly proximate analysis. Our III UG shift I students along with 2 staff members visited the Tagrose chemical company in SIPCOT Cuddalore on 13<sup>th</sup> and 14<sup>th</sup> February 2018 as a part of association activities.



To inculcate Swacch Bharat movement and cleanliness among the tourists and localites, 33 of our I B.Sc., Biochemistry shift-I students actively participated in the cleaning campaign and cleaned the Silver Beach through **Beach cleaning campaign** on 19-01-2018 between 2.00 PM to 4.30 PM accompanied by 2 staff members at Silver Beach – Devanampattinum, Cuddalore.

Our students are participated in the one day “**International Colloquia On Biomaterials and Bionanotechnology**” (ICBB), organized by the department of Biochemistry & Biotechnology, St.Joseph’s College (Autonomous), Thiruchirappalli on 8<sup>th</sup> February 2018, **V.Kiruthika** of III-B.Sc biochemistry (Shift-II) won the “Third prize” in poster presentation.





The PG & Research Department of Biochemistry organized the Special lecture on MINITAB -18 Statistical tool for data analysis (online lecture) on 28<sup>th</sup> February 2018. Online lecture and MINITAB online presentation was introduced by Dr.P.Marie Arockianathan, Head, PG & Research Department of Biochemistry. Online lecture was started at 11.45 AM by Qsutra – Bangalore (Unit of Cubic Computing Pvt., Lid.) and ended in 12.45. This lecture gave knowledge about using the statistical software used in research and solving the problems while handling the MINITAB – 18 and the students were well benefited.

