

ASSOCIATION REPORT (2018 - 2019)

On 6th July, 2018 the Biochemistry Association “Krebs Club” was inaugurated with a lecture on “**FRUIT REMEDY FOR KIDNEY STONES**” given by **Dr. K. Manjula**, Managing director, Biotechno solutions, Trichy. Her talk elaborated on the use of various fruits and herbs for the cure of kidney stones. This session served as an eye opener for the students.



On 6th August 2018, a Health cum Science Awareness Exhibition “**BIOSCINTILLATORS-18**” was held at **St. Joseph's Hr. Sec. School, Somarasampettai**. It aimed to create awareness about Health and Hygiene to school children in order to help them to lead a healthy life. Useful information was given on various intra disciplinary topics on which the students of the department exhibited various models, powerpoint presentations, experiments and videos.



On 29th August 2018, a lecture on the topic “**CAREER GUIDANCE AND PREPARATION FOR THE COMPETITIVE EXAMS**” was given by **Mr.T.Antony Diwakar Chandran**, Assistant professor and Head, Department of Biochemistry, St.Joseph’s College, Tiruchirappalli. He spoke on the procedures to apply and prepare for the competitive examinations. He also gave insights into the scope and the areas of job opportunities that are available for the students who clear these competitive examinations.



The PG Department of Biochemistry organized a one day International Conference on “**THE NEW VISTAS IN LIFE SCIENCES**” on 11th, **September 2018** in Our Lady’s hall of Holy cross college . The objective of the Conference was to understand the major changes and new vistas in life sciences. Through this Conference students and the scholars are aware of and were equipped with knowledge on various emerging areas of life sciences which enables the young minds to enhance their research interest. Keynote Address on the new advances in the field of life sciences was delivered by Dr. Muthu Mayilvaganan,Principal scientist,National Research Centre for Banana (ICAR),Tiruchirappalli . First technical session was started with our eminent speaker Dr. A. ANTHONI SAMY Associate Professor of Biochemistry, College of Medical and Health Sciences, Wollega University, Nekemte, Ethiopia, on **Cutting Healthcare Costs through Prevention: The Health Benefits of Omega 3 and Omega 6 fatty acids**. The speaker elaborately explained all healthcare costs in India and out of pocket hospital expenses in developed countries. He also explained there are many different causes of these exorbitant expenditures. Among them are an aging population; personal health habits such as smoking and improper diets that can lead to cancer, cardiovascular disease, and diabetes mellitus. His lecture

mainly focused on the Health Benefits of Omega 3 and Omega 6 fatty acids. Finally he concluded that a lower ratio of omega-6/omega-3 fatty acids is more desirable in reducing the risk of many of the chronic diseases of high prevalence in Western societies, as well as in the developing countries. Dr. R. Thirumurugan Professor, Department of Animal Science, School of Life Sciences, Bharathidasan University, Tiruchirappalli gave a lecture on **Innovation, Implementations & Challenges in aquatic Biotechnology**. In his lecture he briefly stated that Aquaculture, or the farming of aquatic animal and plant species, is one of the major food production sectors which grow faster than the others and represents an annual average growth rate. The main challenge for the agriculture sector is to double the production of food in the forthcoming years to meet the demand of mankind. The aquaculture holds the answer for the food demand. He listed out the applications and advancements of biotechnology in the farming practices of aquaculture that will make the sector more efficient and cost effective. At last he discussed the integration of biotechnology and biosafety to enhance the capacity and intensity of aquaculture towards sustainable development. Dr. Elanchezhian Rajan, Senior Research Associate, Dept. of Biomedical Science, University of Sheffield, UK on *In-vitro* production of antibody secreting plasma cells. The Scientist explains how our immune system secretes antibodies upon maturation of activated B cells into plasma cells. The differentiation of a B cell into a plasma cell involves extensive reorganization of its cell structure and entails broad changes in its protein composition. He also discussed the regulation of antibody production which is linked to the generation and maintenance of plasmablasts and plasma cells from their B cell precursors. In the next session, Dr. Antony Prabhu, Scientist, Strategy and Technology team Indegene Pvt Ltd, Bangalore delivered Lecture on Digital Disruption in Life Science Industry. He has given ideas on predictive modelling, drug safety, other clinical trial applications, and collaboration platforms, and also explained the Drug impact monitoring, Nifty, Smart pharma hub, robotic and 3D printing strategies. He concluded his lecture ,with digitalization, by 2025, where the whole world of health is going to be connected through the internet of things. Paper presentations by students, scholars and staff members from various colleges were conducted at separate halls. Dr Nargis Begam and Dr. Subashiini H.D, Dr. Sujatha Illangovan and Mr. Antony Diwakar Chandran acted as chair persons. Among the presentations, best paper and best poster was selected and awarded. Valedictory Address was shared by Sri. A. Kaliyamurthy Former Superintendent of Police Tiruchirappalli on “Enname Vaazhvu” which served as a motivational session for the students. He elaborated the importance of women education and empowerment and the role of women in the development of the nation.



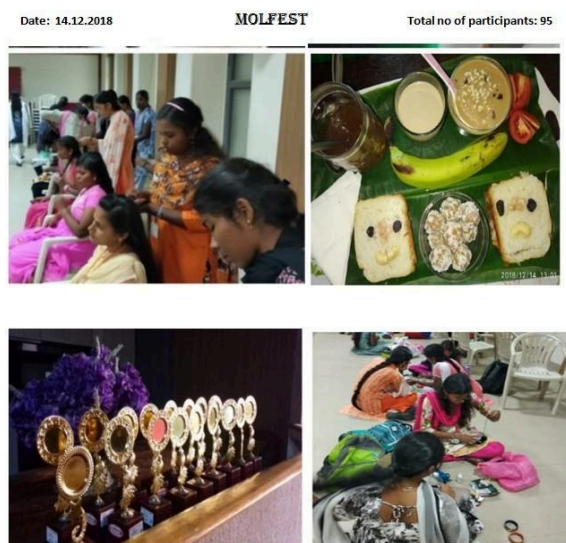


On 1st October 2018, a workshop on 'FIRST AID MANAGEMENT' was organized for our II B.Sc and non major elective students. Mr. Shivaramalingam , lecturer and trainer St. John Ambulance, New Delhi was the resource person. He demonstrated life saving skills like CPR, PPR, HFL, STR and many more first aid techniques. He also imparted knowledge about safety measures to be followed during fire accidents, snake bites and dog bites etc.

On 23rd November 2018, the Krebs club co-ordinated a lecture on "SAVING THE ENVIRONMENT". The guest speaker was Mr. Jayachandran, from St.Joseph's College. The

whole session was about saving the environment, preferring natural foods instead of junk foods and the importance of nature's flora and fauna.

An intra departmental competition -“**MOLFEST-2018**” was arranged on **13th and 14th December, 2018**. Every student of the department participated in various events. The event helped the students explore their talents. Various competitions were conducted which helped the students express their individualities and talents. The winners of respective events were awarded trophies and medals.



On **5th January 2019**, the Department of Biochemistry organized an intercollegiate meet “**ELUTEADUS-2K19**” Exploring Life Science. 11 events were conducted. Students from various colleges actively participated in all the events such as *crack your mind, Just a minute, photography, model presentation, coscom, mime, adzap, guess it, face painting, rangoli and cooking without fire*. The winners of various competitions were awarded prizes and medals. The students of St.Joseph's college, Trichy were the overall winners.

ELUTEADUS'19

Date: 05.01.2019

Total no of participants: 115



On 13th February 2019, The Krib's Club organized the valedictory function. The meeting started with signing an MoU with Dr.K.Manjula, Managing Director, Biotechno Solutions Training & Research Institute and she promised to nurture the students with updated science technologies. Then the session was handed over to the resource person Dr. Karthik Mohan, Publisher, Wisepub International (AGS PILLAI), Nagapattinam. He gave a valuable talk on "Science of emotions". He spoke on different types of emotions and hormones which are responsible for the thoughts and psychic feelings.



The students of Biochemistry visited Indian Institute of Crop Processing and Technology, Thanjavur on **22nd February, 2019** and learnt the food processing and packaging technologies. They got a chance to interact with the Scientists and gained the knowledge about handling various instruments and machines involved in the processing of food.



Our department students actively participated and presented papers and posters at various national and international conferences and won many prizes.