

Activities of the Department 2019-20

ASSOCIATION DAY 2019-20

Department of chemistry organized the inaugural ceremony of the association for the year 2019-20 on **26th September 2019**. The ceremony began with a prayer and welcome by Deepthy Devassy of II PG chemistry. The chief guest was Dr Radhika T, Scientist C, CMET, Athani, who inaugurated the function by lighting the lamp. Dr.T Geetha HOD of the chemistry department presided over the function. It was followed by prize distribution for the toppers of the previous year and winners of “Wase to Art contest”(Cash Prize). This was followed by an invited talk by Dr Radhika about the environmental problems and the responsibility of a chemist towards the nature. Students of chemistry department presented cultural programmes. The formal session come to an end by the vote of thanks delivered by Aishwarya V J.



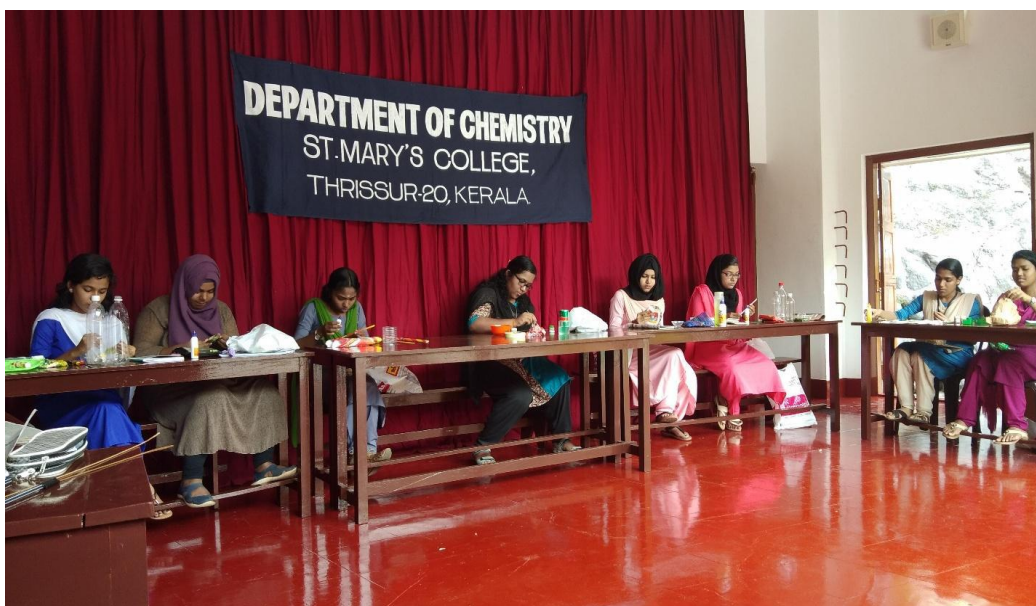
SHAstra Jyothi

Chemistry department of St. Mary's College conducted an extension activity, **SHAstra Jyothi** – distribution of Science books to school students on **28th June 2019**. Teachers and Students of chemistry dept. contributed 75 Science books to economically poor students of Zannana Mission L P School ,Kolazhy. ZMLP School Head Master A.S Raveendran inaugurated the function. A group of students from our dept. presented cultural programmes to entertain the children.



Environment Day Celebration

On **June 25th**, in association with World Environment Day, The Department of Chemistry St Mary's College Thrissur conducted a competition on the theme "Waste to Art" for students which focused on showcasing their creative works made from reused & recyclable waste materials. This competition aimed to challenge student's perceptions about 'rubbish' and to promote the reuse and recycling of waste through arts and crafts. Waste to Art provides an innovative approach to waste education. Students were challenged to create a new life for materials that would otherwise have been thrown away. The event was open to all students in St Mary's college and 14 students participated in this contest.



The event started at 9.30 Am in the Open stage venue of the college. During the event, attendees came up with innovate *Waste To Art* ideas and beautiful craftsmanship were shown by them. Our Collage Principal Sister Dr. Magie Jose. visited the venue and appreciated their works. Students were given 3 hours for the contest and after that the evaluation process started. The competition was Judged by Dr. Dhanya K.C & Mrs Jiji Francis E. They looked into all aspects of student's creativity and the winners were announced. 1st prize winner was Miss Mariya sandra KS of BSc chemistry and 2nd prize was shared by Miss Aswathy J of BSc Biotechnology & Miss Theertha of BSc Chemistry. 3rd prize winner was Miss Hamitha C H of BSc Biotechnology. Later the works were exhibited to all students and teachers. A huge audience turned up visiting the show and shared their views. Overall the show could communicate the need of recycling and helped to change everyone's perceptions about 'rubbish' and to celebrate world's environment day.

International Mole Day

Mole Day originated in an article in *The Science Teacher* in the early 1980s. Inspired by this article, Maurice Oehler, now a retired high school chemistry teacher from Prairie du Chien, Wisconsin, founded the National Mole Day. Mole Day is an unofficial holiday celebrated among chemists, chemistry students and chemistry enthusiasts on October 23, between 6:02 a.m. and 6:02 p.m., making the date 6:02

10/23 in the American style of writing dates. The time and date are derived from the Avogadro number, which is approximately 6.02×10^{23} , defining the number of particles (atoms or molecules) in one mole (mol) of substance, one of the seven base SI units.

On **October 23rd 2019**, the department of chemistry of conducted a quiz competition as a part of the celebration of the International Mole Day. The programme held at Chavara hall and at 2.00pm, the competition had begun. The quiz was organized by the chemistry department association union members.



The programme was initiated by a silent prayer and welcome by Anju of IInd DC chemistry . The quiz was hosted by Mariya of IInd DC chemistry and Krishna A.S of Ist PG chemistry. There were three rounds for the competition. The preliminary round was about the elements, via identification of elements and the second round was identifying the scientists. The final round was about general chemistry. Mass of pupil had became the part of this quiz, from which the semifinalists were selected. Later round gave the finalists. Finally, the winners were selected out for the first and second position, whose names are Sreelakshmi P.S (Ist PG chemistry) and Arya C Gokuldas (Ist PG chemistry) respectively.

M C Namboodiripadu Memorial Lecture

Green chemistry, also called sustainable chemistry, is an area of chemistry and chemical engineering focused on the designing of products and processes that minimize or eliminate the use of generation of hazardous substances. On **12th November 2019**, Tuesday, the department of chemistry has conducted a scientific talk on *Sustainable chemistry: opportunities and challenges*, in connection with the centenary celebration of M C Namboodiripadu. The scientific talk was led by, Dr. K J Sreeram, who is a senior principal scientist at Central Leather Research Institute, gave us an explicit explanation on the specified topic. Mr Balachandran, M D of Jeeva Laboratory, gave a talk about the life & times of M C Namboodiripadu.



OZONE DAY CELEBRATION

The World Ozone Day, was successfully celebrated on 15th October 2019, by department of chemistry, St. Mary's college, Thrissur. The program commenced with the prayer song by Malavika and Kavya of 2nd year chemistry. The welcome speech delivered by Neema Sherin of 2nd year chemistry.

After the welcome speech, Dr.S.Sandeep described about the ozone layer with an effective visual presentation. He started with the topic 'climate change'. He conveyed the idea that it is the high time to extend our activities of saving nature to effective dealing with plastics and to the concept of reuse. He highlighted the fact that activities of environmental protection is not only about planting trees but also about managing greenhouse gases. Jitha expressed our sincere gratitude to Dr.S.Sandeep for his valuable words. The program wound up at 11:00am.

Pollution Control Day

On the occasion of “*Pollution Control Day*” the Department of Chemistry, St. Mary’s College Thrissur organised a poster making competition on 6th December 2019. The competition was on the topic “*Pollution and Its Impact*”. Students from various department participated in the competition. The competition was judged by Abhini miss of English Department, St Mary’s College Thrissur. The participants were very creative and able to impress the judging panel. The first prize was baged by Anjaly krishna of 3rd DC Chemistry followed by Clenitta of 2nd DC English.



HARITHAM WORKSHOP

On 12th December 2019, St. Mary's college hosted a full day workshop entitled "Lets Learn and Make" as part of Entrepreneur Development Club. The workshop was led by department of chemistry for the students to learn and make products like Soap, Transparent Soap, Hand wash, Phenyle and Pain balm. It was conducted by Mr. Sreejith, Technical officer, Vigyan sagar, Thrissur. Classes was very informative



CELEBRATION OF INTERNATIONAL YEAR OF PERIODIC TABLE

“QUIMICA ELEMENTOS 2K19”

In connection with International Year of Periodic Table 2019, the Department of Chemistry, St. Mary's College, organised the event “**QUIMICA ELEMENTOS 2K19**” on 18th December 2019. The festivities began with the program “One Day One Element”, which gives a brief description of each element of the periodic table, which was initiated on 04th September 2019. The event was inaugurated by, Dr. Sr. Magie Jose, Principal, St. Mary's College, Thrissur. The highlight of the event was the intercollegiate program, ‘My Element Contest’, in which the contestants were given the task as presenting their favourite element through different means. The collegiate programs were Periodic Jigsaw, Elemental cruise, Quizinda- spot quiz. The attractive part of the program was the Human Periodic Table which was followed by a flash mob. Also there were Elemental Corridor and Element tree which grabbed the audience attention to the 118 elements of the periodic table in a versatile way.







National Science Day Celebrations

Department of Chemistry, St. Mary's College organized two day Programme in connection with **National Science Day Celebrations 2020** with the *support of KSCSTE, Govt. of Kerala* on the focal theme "**Women in Science**" on 11 & 12 February 2020.

On 11th February, Dr. Sr. Magie Jose, Principal St. Mary's College, Thrissur inaugurated the celebration. The inaugural session started with invoking the blessings of God by a prayer song by Smruthy Menon of 1st PG Chemistry. To inaugurate the programme a fluorescein test was done and the appearance of green fluorescent

solution make the inauguration very colorful. On this occasion Principal spoke about the importance of science in daily life of the people. Invited Talk was delivered by Dr. Suja Haridas, Assistant Professor, CUSAT on the topic “*Nanoscience-Challenges and Opportunities*”. After the technical session students also had an opportunity to interacted with the resources person who was a role model as a women scientist and inspired them to develop a career in the field of science. After the Talk, Niveditha of 2nd BSc Chemistry delivered vote of thanks.

Break the Chain Campaign

During the begining of Corona Pandemic, a shortage of Hand sanitizer occured. Department of chemistry lend its expertise and manufactured Hand Sanitizers which was sold to stake holders of the college at cost. It helped the students, faculty, non teaching staff, parents and Alumini to tidy over the shortage of hand sanitizers in the market. The department manufactured two type of hand sanitisers - Portable Spray hand sanitizer & Gel type hand sanitiser.

