

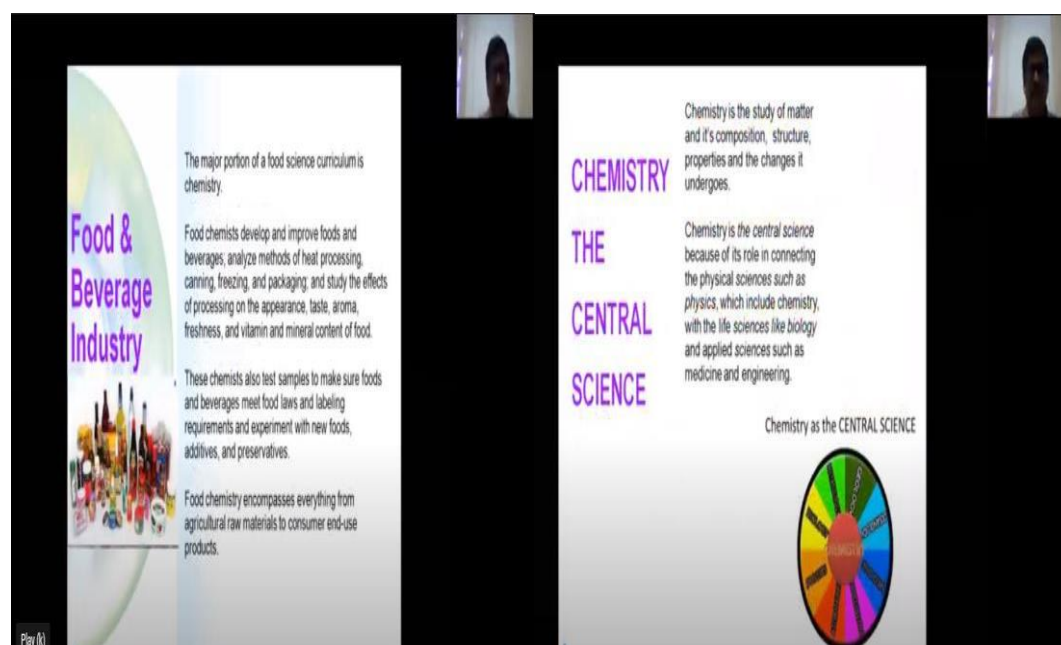
D.G.VAISHNAV COLLEGE, ARUMBAKKAM, CHENNAI

PG & RESEARCH DEPARTMENT OF CHEMISTRY,

ANNUAL REPORT OF THE ACADEMIC YEAR 2020-21

The PG & Research Department of Chemistry is happy to present the various Co-Curricular and Extra-curricular activities of the department for the academic year 2020-21.

The DG Vaishnav Chemical Society was inaugurated on 19th November 2020. Dr. J. Ravichandran, General Manager, Quality R&D Amur坦jan private limited – an alumnus of the department inaugurated the Chemical Society. He motivated and encouraged the students to become the future entrepreneurs. The outcome is a best outreach for the students. The programme was a great exposure to the students for all the competitive exams and job opportunities. The formation of the chemical society helps students to coordinate things, organize events and leads to team spirit development.



The Department had organized National Level E-Quiz on significance behind the chemistry of lanthanides and Actinides on 03-06-2020 Convened by Dr.K.Premalatha, Associate Prof & Head, Dept. Of Chemistry and Co-ordinated by Dr.R.Kumaran, Assistant Professor, Dept. of Chemistry, DGVC. There were 750 numbers of registrants and 475 participants and 150 participants were certified. The participants were from various colleges in Tamilnadu and Andhra Pradesh etc.

The Department had organized National Level E-Quiz on Co-ordination Chemistry on 06-06-2020 which was Convened by Dr.K.Premalatha, Associate Prof & Head, Dept. Of Chemistry and Co-ordinated by Dr.M.Vanjinathan, Assistant Professor, Dept. of Chemistry, DGVC. There were about 378 student participated. The participants were from various colleges in Tamilnadu and other states. The quiz on Coordination chemistry content was raised up to the level of CSIR-NET examination.

The next remarkable event of the department was a National level three day online workshop on Nuances in computational chemistry on 2-07-2020 to 05-07-2020. Dr.Mangala Sunder Krishnan, Prof & Head, Department of Chemistry, IIT Madras was the Resource person of that workshop. The main outcome research in computational chemistry is the emerging field now in Covid19 pandemic period. The workshop is so enlightening for beginners in this field. There were 102 academicians, 50 research scholars, 196 PG students, 40 UG students and totally 397 participants and 341 were certified.

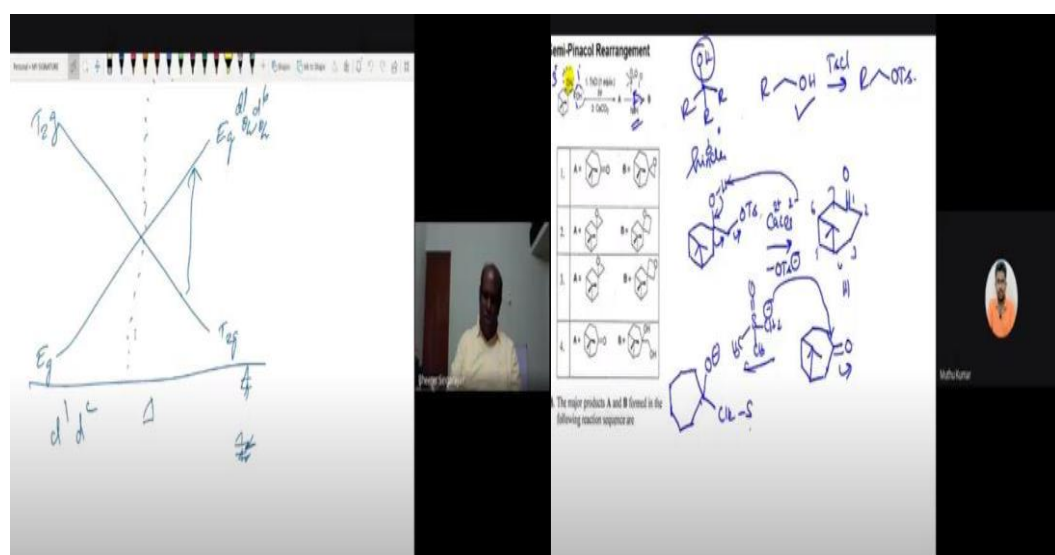


The department had organized a National online workshop on Computational Chemistry – A Leeway to theoretical Chemistry organized by PSGR Krishnammal College for Women in collaboration with PG & Research Department of Chemistry, D.G.Vaishnav College on 27.7.2020 to 29.7.2020. The workshop was convened by Dr.K.Premalatha, Associate Prof & Head, Dept. Of Chemistry and Co-ordinated by Mr.A.Gopalakrishnan, Asst.Prof, DGVC and the entire programme was conducted by our passed students Mr.L.Richardson, and Mr.P.Karthick. There are 987 registered participants and Active participants were 387. Three days of Immersive Hands on Training was given to learn and explore with Avogadro, MoPAC 2016, Winmostar V10, WebMo, Docking Studies, Cheminformatics.



The department had organized a *National level online workshop on molecular modelling for beginners on 31-10-2020*. Mr. T.Sivaramakrishnan, Assistant professor, Ramakrishna Mission, Vivekananda College, Chennai was the resource person. He has given hands on training in Argus lab was very fruitful for all the beginners, interested in molecular modelling studies.

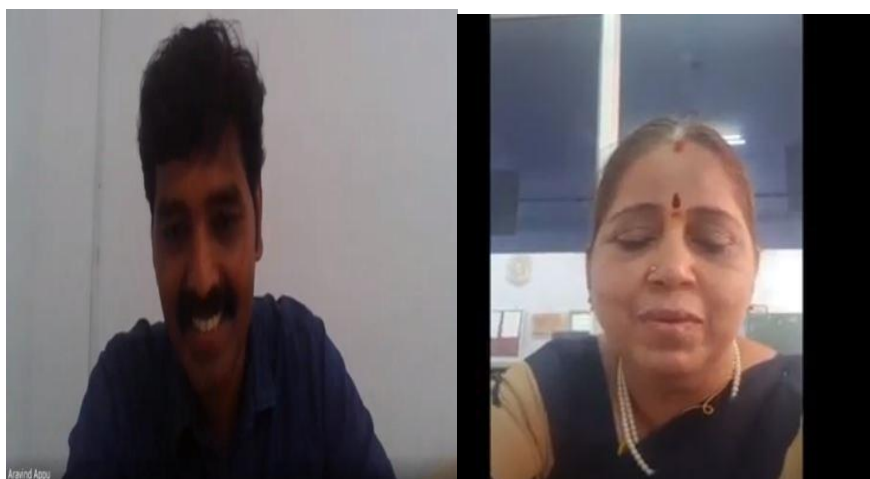
The next remarkable event of the department was a *National Level CSIR, UGC- NET Workshop on 28.12.2020 to 30.12.2020*. Dr.S.Bheeter, Retired Head, Department of Chemistry, St.Joseph college, Tiruchirpalli, Dr.A.L.Muthukumar, Asst.Professor, Department of Chemistry, Kurinji college of Arts and Science, Tiruchirapalli and Dr.D.Suresh Asst.Professor, Department of Chemistry School of Chemical & Biotechnology, SASTRA Deemed University were the resource persons. This year also there was an overwhelming response from the students. This workshop helped the students in understanding and learning different ways of thinking and solving parameters with more exposure to a large mass.



The department had organized Inspiring Alumnus lecture series to motivate the students. Lecture series was conducted on 19-12-2020; 23-01-2021; 27-02-2021; 20-03-2021 and 10-04-2021. The resource persons were Dr.P.Yuvaraj, Scientist ,CSIR-North East Institute of Science & Technology, Dr.P.Yuvaraj, Scientist ,CSIR-North East Institute of Science & Technology. Dr.P.Vijayarohini, Research Professor, Hallym University, South Korea, Dr.Aravind Appu, Director, Sambi Pharma, Hyderabad, Dr. A.Thirugnanasundar Assistant Professor, Department of Chemistry, Erode Arts and Science College, Tamil Nadu

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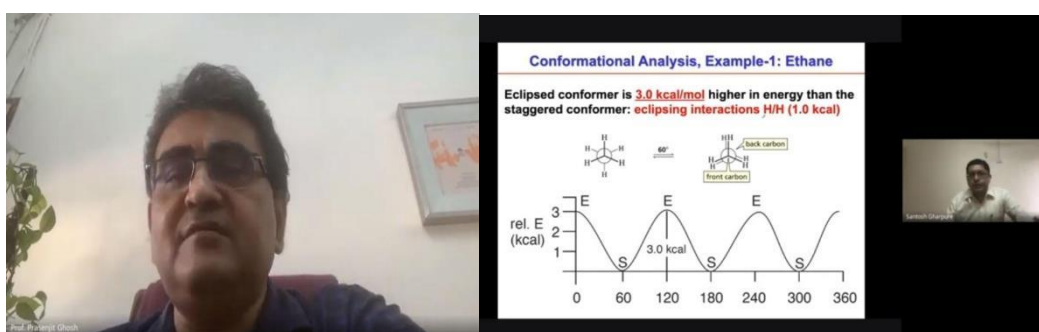
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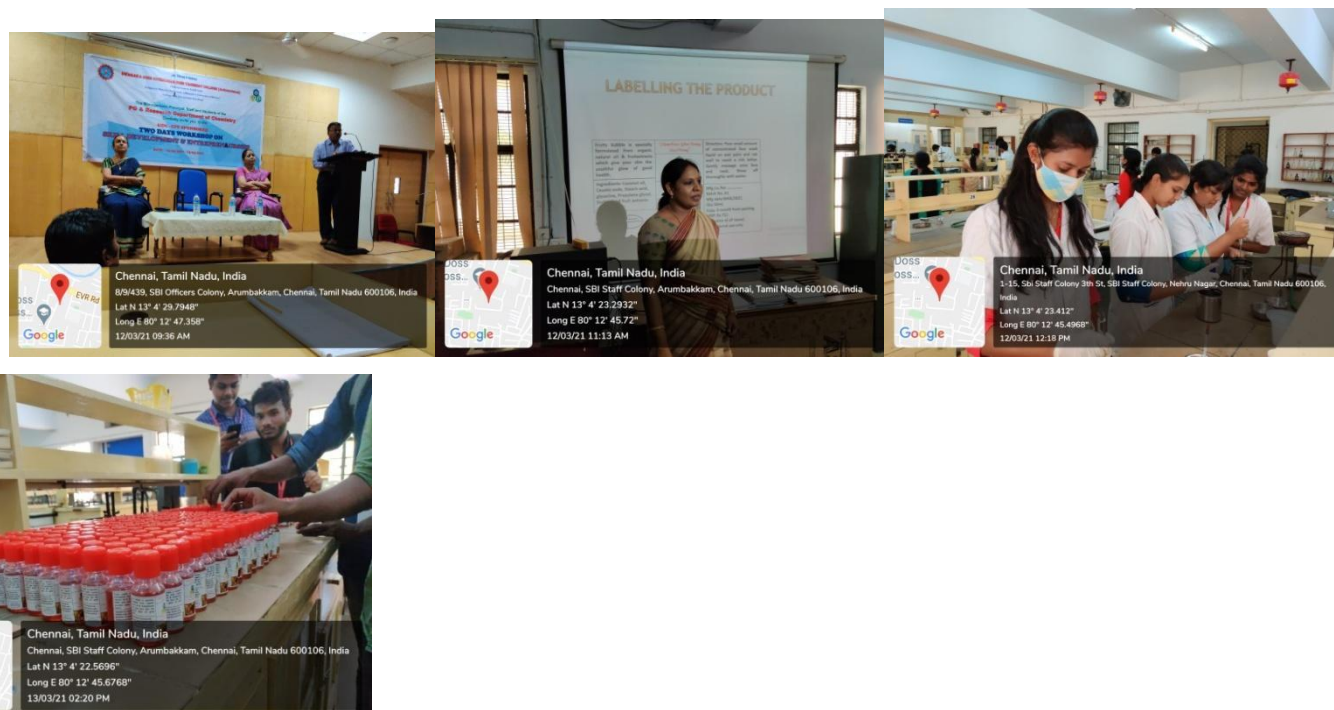
The department had organized first international e-conference on new vistas in chemical research (ICNVCR-2021) on 28.1.2021 and 29.1.2021. The Resource Persons of the conference are Dr.Sabu Thomas, Vice chancellor, Mahatma Gandhi University, Kottayam , Kerala, Prof. S Natarajan SSCU, IISC, Bengaluru, Dr K Pandian, Controller of examination, University of Madras, Dr Sellamuthu Anbu, University of Hull, UK, Dr P Indra Neel, Jiao Tong University, Shanghai, China, Dr Muhammed Shafi, School of chemical engineering , South Korea. Forum brought in the researchers who shared their recent advances in the field of chemical sciences with understanding and presented the novelty of the work in their field of specialization.



The Department had organized UGC sponsored- national level five days online faculty development programme on recent advances in chemistry teaching & learning on 22.2.2021 to 26.2.2021. The Resource Persons of this FDP was Dr. Santosh J. Gharpure, Dr. Prasenjit Ghosh, and Dr. Pradeep kumar P.I, all from Department of Chemistry, IIT Bombay, Dr. Mangala Sunder Krishnan, Professor & Head, Department of Chemistry, IIT MADRAS, Dr. R. S. Swathi, Associate Professor, IISER Trivandrum. The FDP was aimed to enrich the knowledge in academics, research and LMS. It was very effective among the faculty.



The department had organized two days workshop on skill development & entrepreneurship on 12.3.2021 to 13.3.2021. An invited talk was given by Dr.U.Amaleshwari, Head of the Department, School Of Management, DGVC. The workshop was convened by Dr.K.Premalatha, Associate Prof & Head, Dept. Of Chemistry and Co-ordinated by Dr.R.Mythily, Assistant Professor, Dept. of Chemistry, DGVC, Co-coordinated by Dr.A.R.Naresh Raj, Assistant Professor, Dept. of Chemistry, DGVC. The workshop made the students aware about start-up & entrepreneurship. It boosted their inner urge and encouraged them for becoming self-employed in future to be a job creator rather than job seeker.



The 24TH EDITION of RASAYANOTSAV have been conducted through the virtual mode nearly 80 students enrolled in various events. The events conducted are MADE TO MINGLE, POSTER PRESENTATION, QUIZ, POT POURRI and SHIP WRECK. Dr. V. JAYARAMAN, Associate Director, Fuel and Materials Chemistry Group, IGCAR, Kalpakkam. Was invited as a Resource Person. The event was fun also more knowledge engaging sessions for most of the students even during the pandemic situation students came forward to enrol their names in the events which was so encouraging for the coordinators. The events went so well also the judges of the event guided us all through the event.

