

D.G.VAISHNAV COLLEGE, ARUMBAKKAM, CHENNAI
PG & RESEARCH DEPARTMENT OF CHEMISTRY,
ANNUAL REPORT OF THE ACADEMIC YEAR 2019-2020

INAUGURATION OF D.G. VAISHNAV CHEMICAL SOCIETY-19.07.2019

The DG Vaishnav chemical society of the Department is the banner under which all the activities of the Department are organised. The chief guest was Dr. Indrapal Singh, Professor, Department of Chemistry, IIT-Madras and special invitee Dr. P. S. Raghavan (Retd.,) Professor, MCC, Chennai.



ALUMNI MEET-2K19 - 29.07.2019

The first alumni meet since the inception of the department was held in the Dwaraka Auditorium. The chief Guest were Mr. Balachander Agoramurthy, Mr. E. Logamani and Dr. K. A. Venkatesan shared the experiences as alumni their interesting nostalgia in their college life. A newsletter "Kaleidoscope 2K19" was released.



INSPIRE ALUMNUS - 30.07.2019

Mr.S. Selvakumar alumnus, Senior Research Fellow, IISc Bangalore motivated the students and discussed about the various preparatory approaches to get through competitive examinations.



INVITED TALK- 22.08.2019

As a part of the educative process an invited talk was organized for both UG & PG students. **Dr. K. S. Viswanathan**, Professor (Retired), Department of Chemical Sciences, IISER, Mohali delivered a talk on the “**Basics of Spectroscopy**”. **Dr. Jebakumar Jeevanandam**, Associate Professor and Head, Department of Chemistry, Rajeswari Vedachalam Government Arts College, Chengalpattu gave an introduction about Computational Chemistry and conducted hands on training to students and staff members using software such as Avagadro, NWchem, etc.



CSIR - NET/JRF EXAMINATION WORKSHOP - 20.09.2019 - 23.09.2019

State Level UGC sponsored workshop on CSIR-NET examination was commissioned with objective of familiarizing the students of the various opportunities in the field of chemistry to pursue higher research.

The resource persons were

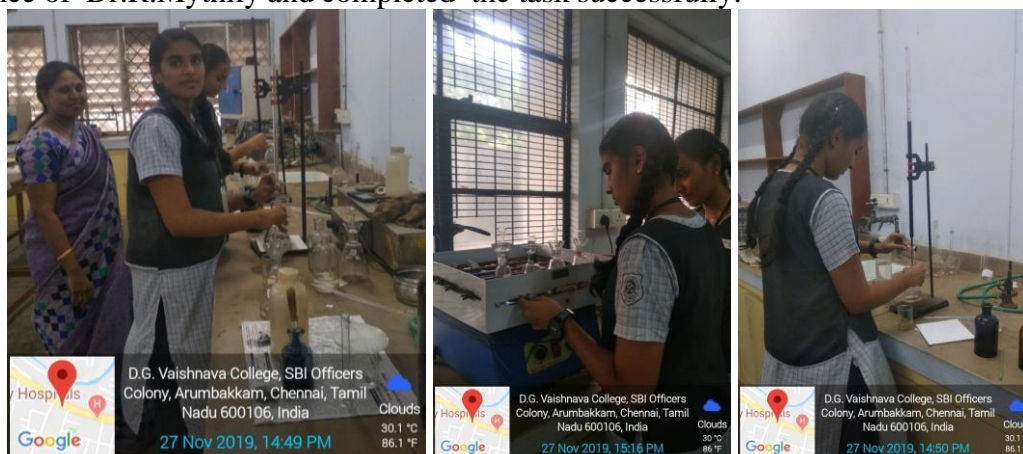
1. Dr.S.SwarnaLakshmi, Retd. Prof. GNC , Chennai
2. Dr.P.Sivasamy, COE,ANJAC college, Sivakasi
3. Dr.S. R. Bheeter , Emeritus Professor, Srimad Andavan College of Arts and Science, Trichy
4. Dr.A.L.Muthukumar, CSIR, Mentor

Around 160 students from 20 city colleges and other state universities and post graduate students of our college attended the Programme.



EXTENDED ACTIVITIES – 27.11.2019

Two students S.Padma Priya and K.J.Yazhini of DAV Girls Higher Secondary School , Gopalapuram worked independently in the Laboratory for their Research work under the guidance of Dr.R.Mythily and completed the task successfully.



WORKSHOP ON FASCINATING CHEMISTRY EXPERIMENTS - 06.12.2019

One day Workshop on Fascinating Chemistry Experiments is organized for GHSS Government Higher Secondary School , Pulla Avenue to inspire the school children towards basic sciences especially chemistry by demonstrating chemistry experiments which are part of their curriculum



UG INDUSTRIAL VISIT TO MFL/SIPCOT - 18.12.2019

50 Final year UG students went to MFL, Chennai accompanied by Dr.T.Augustine Arul Prasad and 30 students to Central Institute of Plastics Engineering Technology, CIPET accompanied by Dr.R.Kumaran, in order to provide exposure to Industrial methods and develop an understanding towards the technology involved in such industries.



PG INDUSTRIAL VISIT TO AMRUTANJAN - 19.12.2019

25 PG students visited Amrutanjan Ltd. accompanied by Mr.A.GopalaKrishnan. The students visited various plants and also got broader view about the various steps involved in the manufacture of the product.



NATIONAL SEMINAR GITCE 2020 - 06.02.2020

The national seminar was organized with an objective of inculcating the interest among the students in chemistry and Research. The chief Guest Dr.MangalaSunder Krishnan, Head Department of Chemistry, IIT Madras. The Resource persons were

1. Dr.Chidambaram Gunanathan, Professor, NISER, Bhubaneswar,
2. Dr.S.Natarajan, Professor, IISc Bangalore
3. Dr.A.SenthilKumar, Senior Professor, VIT, Vellore

The valedictory Session was addressed by Dr.K.Pandian , COE, UNOM. Number of Staff participants was 30 and Student participants were 250. There were 20 oral presentation and 25 poster presentations evaluated by dr. Wilson, HOD, MCC, Dr.V.Jaishankar, Assoc. Prof., Presidency, Dr.Kalilurrehman, Assoc.Prof. , New College and Dr.Prince, Assistant Professor, RKVM College, Chennai.



RASAYANAOTSAV 2020 - 07.02.2020

Annual Inter collegiate Chemfest was inaugurated by the chief guest Dr.T.O. Verghese, CIPET, Chennai . Around 117 students form 15 city colleges participated. The registration was done through online portal.The Chief guest for Valedictory was Dr.S.Kothai, Principal, Ethiraj College. The Overall trophy was bagged by A.M.Jain College.



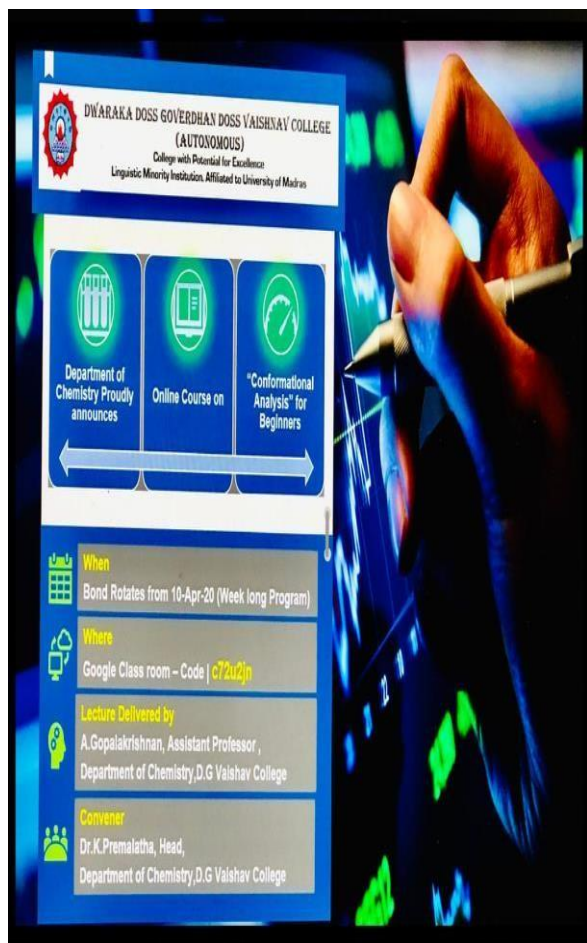
EVS FIELD TRIP - 29.02.2020

A field visit to Dakshin Chitra and Heritage Museum located on the ECR Road , Muttukadu was arranged for II B.Sc Chemistry Students which had a class strength of 46. Three Staff members along with one non-teaching staff accompanied the students. The students received a panoramic insight about the rich culture and traditional practices for country.



COVID-19 has unleashed a fresh wave of innovation on campuses across the world. The educational institutions used the lockdown to develop several learning management system, LMS for online learning. Teachers, Professors and scientists have focused on more creative solutions and ideas to develop better response system from students to counter the pandemic. The lock down gave

sufficient time for enriching the student community and enable them to become more informative and skillfull to emerge stronger on the other side of crisis. The events covered during March 2020 to October 2020 by the PG and Research Department of chemistry has been reported below.



AN ONLINE COURSE ON CONFORMATIONAL ANALYSIS

An online course on Conformational Analysis was conducted keeping in mind to reach both undergraduate and postgraduate students of chemistry. “Conformational Analysis for Beginners”, an online course for one week commenced on **April 10, 2020**, Co-ordinated by Mr.A.Gopalakrishnan and convened by Dr.K.Premalatha,, Associate professor & Head of the Department. There

were about 1112 participants from various ends of our state Tamilnadu and 220 participants attended the test out of which 170 participants were certified.

AN ONLINE COURSE ON GROUP THEORY

A National level online course, “A virtual connect with group theory” was conducted for 10 days from **May 21 to May 30, 2020**. Mr. A. Gopalakrishnan was the co-ordinator of the online course and was convened by Dr.K.Premalatha. There

were about 1112 participants from various ends of our state Tamilnadu and few of

them were from other states. After 10 days of coaching online examination was conducted. About 705 participants took the test and 420 participants scored above 60% and they were certified. The Group theory was well explained by Mr.A.Gopalakrishan and it was useful for all the Postgraduate chemistry students and especially for those who are aspiring for CSIR-NET qualification.

NATIONAL LEVEL E-QUIZ ON “BASICS OF ABSORPTION AND EMISSION SPECTROSCOPY”

A National level e-quiz on “Basic of Absorption and Emission Spectroscopy” was conducted on May 27, 2020 from 11.00am to 1.00pm. Dr.R.Kumaran was the convenor of the quiz competition. There were two parts in the quiz, and content was raised up to postgraduate and research level. There were students of our college. There were 800 number of registrants, 495

participants and 150 participants were certified. The participants were from various colleges in Tamilnadu and Andhra Pradesh etc. One of the participant was from RUHR UNIVERSITY BOCHUM, GERMANY. The certificate was issued to the participants who scored above 50 percentage.

DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE
(AUTONOMOUS)
Chennai 600106, Tamilnadu

THE PG & RESEARCH DEPARTMENT OF CHEMISTRY

National Level e-Quiz on
"BASICS OF ABSORPTION AND EMISSION SPECTROSCOPY"

Date : May 27 , 2020 (Wednesday)
Time : 11:00 am – 1:00 pm

The quiz is open for ALL.
 There is no registration fee and E- certificate will be provided with a score of 50 % and above.

QUIZ REGISTRATION LINK : https://docs.google.com/forms/d/e/1FAIpQLSdplifGPJh1s6F-1V1EY6Hw0S_r6hrAZzNDfvk63uLRXUgw/viewform?usp=pp_url

Jai Shree Krishna
Dwaraka Doss Goverdhan Doss Vaishnav College
[Autonomous]
Linguistic Minority Institution,
Affiliated to University of Madras
Arumbakkam, Chennai - 600 106, Tamil Nadu

The Management, Principal, Staff and Students of
PG & Research Department of Chemistry
take pleasure in inviting you to the

WEBINAR
On
PEACEFUL APPLICATIONS OF RADIOISOTOPES
to be held at 10:30 am on 30th May 2020

RESOURCE PERSONS

Dr. C. V. S. Brahmaananda Rao
Head, Solution Chemistry & Mass Spectrometry Section,
MC&MFCG
IGCAR, Kalpakkam

Dr. N. Sivaraman
Director
& Materials Chemistry & Metal Fuel Cycle Group
IGCAR, Kalpakkam

TO REGISTER: <https://forms.gle/p6aUNWYpFYtC1Rqk7>

Dr. K. Premalatha
Associate Professor & Head,
Department of Chemistry

Dr. R. Ganesan
Principal

Shri. Ashok kumar Mundhra
Secretary

Note:
• Registration is compulsory as the number of participants are limited
• The Zoom meet ID will be sent to your registered E-mail ID.
• E- certificate will be provided for those who attend the webinar fully and submit the feedback form which will be shared at the end of the meeting

A WEBINAR ON “PEACEFUL APPLICATION OF RADIO ISOTOPES”

A webinar on “Peaceful application of Radio Isotopes” was held on May30, 2020 at 10.30am.

Head, Solution Chemistry &

Mass spectrometry Section, IGCAR, Kalpakkam and Dr.N.Sivaraman, Director, Materials Chemistry & Metal Fuel cycle group , IGCAR ,Kalpakkam. Students of UG and PG attended the webinar. It was an eye opening session to learn about the application of radio isotopes. Dr.K.Premalatha , Associate professor & Head was the convenor of the webinar.

