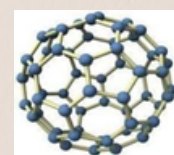




ST. ANN'S COLLEGE FOR WOMEN

(AUTONOMOUS), AFFILIATED TO OSMANIA UNIVERSITY,
NAAC ACCREDITED WITH 'A+' GRADE, CPE BY UGC,
ISO CERTIFIED 9001 : 2015 & ISO 14001 : 2015
MEHDIPATNAM, HYDERABAD



BOND WITH THE BEST

Elements - XV newsletter

FROM THE PRINCIPAL'S DESK

It gives me immense pleasure to see the **XV** edition of **ELEMENTS**. Science teachers play an important role in nation building & elements has been playing a stellar role in showcasing the activities of Chemistry department of our college. my congratulations and best wishes to the department & the editors.



ADVISORY BOARD

Dr. Smita Asthana
Mrs. C. Vijayavalli

EDITORIAL BOARD

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Mrs. Beverly John
Mrs. K. Vasavi

EDITOR'S THOUGHTS

Welcome to Elements, the annual newsletter about the Chemistry Department of St. Ann's College. If you are thinking that the Chemistry Department has named it Elements, then you are right. But it also conveys the various elements that gives the department a unique and central place in the college. We successfully completed this academic year with a huge unpredictable talent from the freshers. We hope you enjoy every stop on this tour.

HIGHLIGHTS @ A GLANCE

EXCEL BASED
PLOTING OF
GRAPHS IN
PRACTICAL

YOUTUBE
CHANNEL

E-READING
MATERIALS

ICT
INTEGRATED
LEARNING

innovation

GOOGLE
CLASSROOM

SMART BOARD-
BASED
TEACHING

DEPARTMENT
BLOG

*Google moodle material
blog youtube*

NEW EXPERIMENTS

GREEN CHEMISTRY, COMPUTERS, MATHEMATICS IN PAPER VI ELECTIVE

curriculum

RESEARCH METHODOLOGY AS IDC

DYES AND TEXTILES AND ENVIRONMENT MANAGEMENT AS CO

COMPUTER BASED TESTING

NATIONAL WEBINAR ON "CAREERS IN CHEMISTRY – PROSPECTS AND OPPORTUNITIES" – 25TH AUGUST 2020.



Pictures of ChemCareers: Student participants with speakers and RSC members [Print media coverage by local paper](#)

ON THE OCCASION OF NATIONAL MOLE DAY (A DAY TO COMMEMORATE AVOGADRO'S NUMBER) THE DEPARTMENT OF CHEMISTRY HAS CONDUCTED AN INTERCOLLEGIATE QUIZ CONTEST AND ALSO INVITED EVERYONE TO DESIGN CATCHY SLOGANS ON THE THEME 'MOLE' CULE ON 23RD OCTOBER 2020 TO CREATE AWARENESS AMONG STUDENTS ABOUT THE SIGNIFICANCE OF AVOGADRO'S NUMBER.

ACTIVE PARTICIPATION IS OBSERVED FROM ALMOST 155 STUDENTS OF HIGH SCHOOLS, JUNIOR COLLEGES, DEGREE COLLEGES AND ENGINEERING COLLEGES AND WAS MUCH APPRECIATED BY ALL PARTICIPANTS.

St. Ann's College for Women (Autonomous)
NAAC Accredited with A+ Grade (3rd Cycle), CPE by UGC
Greetings!! From Department of Chemistry (UG)

On the Occasion of "National Mole Day" – We invite all the Chemistry Lovers to Participate in Various activities

QUIZ on the Mole Concept !!!
• Certificate for minimum score of 40%
• Participants who score full marks with a time stamp of ~ 6:02mins will be rewarded

Design Catchy slogans on 'Mole' Cule
• Send your creativity to the email: chemistrystans@gmail.com On or before 24th October 2020
• Best Slogans will be displayed on Cham Blog www.chemistrystans.blogspot.com

6.02 x 10²³
AVOGADRO'S NUMBER

Link for Quiz will be Active on chemistry blog: www.chemistrystans.blogspot.com on 23rd October from 8.02am onwards till 6.02pm

The more you study chemistry, the mole you know

Origin: It is named after the 19th-century Italian physicist Amedeo Avogadro, who found that under the same temperature and pressure, two gases with the same volume have the same number of molecules. It was the French physicist Jean Perrin who in the early 20th century dubbed the amount of units in a mole as Avogadro's number.

Significance: Mole is everyday life. How are moles used in chemistry?

Advancements: Mole is the whole key for chemistry. Such changes officially came into effect on 20 May 2019. Following such changes, 'one mole' of a substance was redefined as 'exactly 6.02214076 × 10²³ elementary entities' of that substance.

Avogadro's Number
6.023 X 10²³

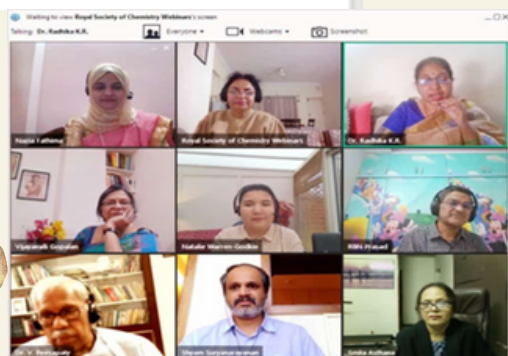
Mole is the root of Chemistry

ChemCareers India

Without event: Free registration
Registration form: <https://chemcareersindia.com/>

Speakers:
• Dr. Nitin Shukla, Principal Scientist, CSIR - National Chemical Laboratory
• Mr. Shyam Suryanarayanan, Co-founder of Scital & Ms. Natalie Warren Godkin, Royal Society of Chemistry London

Chem Careers – A Collaborative Event with Royal Society of Chemistry (London)(LSD) – 7th December 2020. Dr. Nitin Shukla, Principal Scientist, CSIR – National Chemical Laboratory, Mr. Shyam Suryanarayanan Co-founder of Scital & Ms. Natalie Warren Godkin, Royal Society of Chemistry London addressed the gathering.



National Webinar on Women and Health in Collaboration with Royal Society of Chemistry (London)(LSD) – 12th March 2021. This webinar provided a platform for around 600 women participants to hear and interact with health experts about women health and nutrition.

12-03-2021
Virtual Event (e- Conference Available)
Platform - Zoom

United Speakers
• Dr. Nitin Shukla, Principal Scientist, CSIR - National Chemical Laboratory
• Dr. Chiranjeev, Director, National Institute of Health Research and Training, Government of India

The Department of Chemistry released a BOOK Titled "Preparations and qualitative analysis of Organic Compounds" – Practical Manual for BSC III Year authored by Dr.K.R.Radhika and Ms. Nazia fathima.

Best Oral Presentation Award

2021 SCIENTIFIC METHODS

This is to certify that **Mrs Ramya V** has participated with an oral presentation entitled **Greening the lab - Student centric green protocols for chemistry laboratory course** in the two day International e- Conference on "Emerging Trends in Medicinal and Green Chemistry" - ETMGC 2021 organized by Department of chemistry on 16th and 17th March 2021.

Dr. Ammanni Das HOD, PG Convener

Dr. Sr. P. Amrutha, Principal

Two Day International Conference on Emerging trends in Medicinal and Green Chemistry -16th and 17th March 2021.

On the Occasion of World Environment Day, Chemistry Club – Department of Chemistry has Organized an Eco-friendly activity contest on 5th June 2021. This contest basically involves the use of eco-friendly products thereby highlighting the impact of eco-friendly products in environment.



From: Exchange Programs at World Learning <no-reply@webportalapp.com>
 Date: Wed, 23 Jun 2021, 6:45 pm
 Subject: Global UGRAD: Application Status - Finalist
 To: <syedanooreen981@gmail.com>

Dear Global UGRAD applicant,
 Congratulations on your selection as a finalist for the 2021-2022 Global UGRAD Program! We look forward to working with you in the coming weeks and months as you prepare for your U.S. exchange experience in January 2022.
Please note: participation is contingent upon receipt of a TOEFL score that meets at least our minimum range for English Language Training (a 48-60IBT). If you have not yet taken the exam, or if you are facing difficulties doing so, please reach out to the U.S. Embassy or Fulbright Commission as soon as possible. Results MUST be received no later than August 2nd.
 In preparation for your program, you are required to complete or upload the following pre-arrival information via the online application platform by **August 31, 2021**. All documents should be submitted in JPEG or PDF format:
 1. Terms and Conditions of Participation (read, sign, upload signature page - e-signature accepted)
 2. U.S. Department of State Medical form (complete with a physician, sign, upload - e-signature accepted)
 3. Updated copies of your university transcript with English translation
 4. Passport Copy
 5. Housing Preferences Questionnaire
 These can be found in the "pre-arrival" section of your application homepage at: <https://webportalapp.com/sp/loginconfirmation/n9bqhdak1>
 Please let us know if you have any questions along the way and we will be happy to help.
 Best regards,
 Exchange Programs at World Learning

Student Exchange Program
Ms. Syeda Noorein Fatima, BSc GCM II Year (R19 Batch) had been selected for GLOBAL UPGRAD EXCHANGE PROGRAM 2020-2021.



A two Day International Webinar on "Role of Nanotechnology in Health Management" – 10th and 11th July 2021 from 5-7 pm IST through Zoom platform. The speakers were hailing from Russia, Chennai, Hyderabad and Goa graced the occasion. Dr. D. RAJAGOPAL, Professor, from Vellore Institute of technology (VIT) Vellore, Dr. B. SREEDHAR, Senior Principal Scientist, Professor, Academy of Scientific & Innovative Research [AcSIR] from CSIR – ICT, Hyderabad & Dr. RAJAN CHOUDHARY, Post-Doctoral Fellow National University of Science and Technology Moscow, Russia.

