



S.I.W.S.
N.R. Swamy College of Commerce & Economics
And

Smt. Thirumalai College of Science

Plot No. 337, Major R. Parameshwaran Marg, Sewree – Wadala Estate,
Wadala, Mumbai – 400 031.

CHEMISTRY DEPARTMENT (Degree)
Annual Report (2020-21)

I] Activities

The Department of Chemistry organized their annual intercollegiate event on Friday, February 12, 2021. The department strives to provide an environment that ensures cognitive development of students in a holistic manner. The sole aim is to avoid rote learning approach, foster imagination and self-discovery of concepts. This year due to the COVID-19 pandemic the event was held online.

A series of intellectual and fun events, virtually, to boost the knowledge of Chemistry in a lively and active way were organized.

Name of the event:

• **RASASHASTRA**

- 1) CHEM-E-POSTER: 27 students participated. Topics - Plastic: Reduce, Recycle & Reuse, Role of a chemist during COVID-19 Pandemic Carbon Nanotubes.
- 2) CHEM –TALK: 10 students participated. Topics - Herbal drugs to boost immunity, CFC's and the Environment, Biodiesels.
- 3) CHEM-CROSSWORD (Live): 54 students participated. Topic : Basics of Chemistry
- 4) CHEM-O-AD (virtual) 4 students participated. Topics: Hand Sanitizers , Fluorescent Dyes
- 5) CHEM-MASK (virtual) 14 students participated. Topic : Anything related to the mighty field of chemistry

External judges invited were Dr Rajani Anthony (Chem-Talk) M.D. College and Dr. Saira Mulla (Chem-E-Poster) Acharya & Marathe College. Department teachers Dr. Asha Mathew and Dr. Atul Deshpande judged Chem- Mask & Chem-o- AD.

Organizing Committee:

- 1) Mrs. Betty Mathew
- 2) Dr. Tanuja Parulekar
- 3) Dr. Sunita D. Shirvalkar (Convenor)

A total of 116 students from various colleges of Mumbai participated in **RASASHASTRA**. The department thanks the student volunteers who played a major role in making the event successful.



• **WEBINARS**

Sr. No.	EVENT	DATE	Platform
1)	National Webinar “Chemistry- Concepts & Career Opportunities” Convenor – Dr. Asha Mathew	16th – 18th July 2020	Google Meet
2)	National Webinar ‘Accidents Never happen Accidentally’ Convenor – Dr. Sunita D. Shirvalkar	June 28, 2021	Open source Web Conference
3)	National Level Online Chem Quiz Convenor – Mrs. Betty Mathew	July 20, 2021	Google Meet

III] Staff Achievements

Dr. Asha Mathew

- Reviewed a paper titled "**Investigation of the influence of temperature of washed water on the main indicators of fertilizer precipitate**" for the Journal **Current Journal of Applied Science and Technology** in May 2020.
- Awarded ‘ Dr. P. Venugopal Endowment Prize’ best Oral Presentation, for presenting a research paper titled “Surfactants As Green Alternatives For Organic Solvents ” in a 3 day international virtual conference(ICDB)from 24.07.2020 to 26.07.2020 organized by Andhra University, Vishakhapatnam and Andhra Pradesh Akademi of Sciences.

Dr. Tanuja Parulekar

Co-author- Writing

- Chapters for XII std Chemistry Book- Reliable Publication
- Chapters for Maharashtra State Board Science Book for differently abled children- std.9th & 10th ,by Maharashtra Rajya Pathya Pustak Nirmitee va Abhyaskram Saushodhan Mandal , Pune.
- Article on Covid ‘Covid.... A Reality !!’ in the July 2020 issue of the technical magazine ‘PaintIndia’ ISSN:0556-4409
- Article series on Noble Laureates in the January- December 2021 issues of the technical magazine ‘PaintIndia’ ISSN:0556-4409
- You Tube Video for UTA- Finding out Copyright Free images & sounds (Marathi version)- https://youtu.be/u_wF8m6sLrI
- You Tube Video for UTA- Finding out Copyright Free images & sounds (English version)- <https://youtu.be/ik8khJI6rko>



- You Tube Video for UTA- Introduction to Animation (Marathi version)-
<https://youtu.be/Snz1JsxMggQ>
- T.Y.B.Sc. Chemistry -AC -Drugs & Dyes topics are converted into online lessons.
The link for the first chapter in pharmaceutical chemistry- **General Introduction to Drugs** is as below:
 - <https://youtu.be/LTT5CDuPTk4>

It is uploaded on our You Tube Channel – **Shastra- Science of Dyes and Drugs**
Remaining topics are in process. This link can be used by teachers and students of
Mumbai University

Sunita

Dr. Sunita D. Shirvalkar
Head, Department of Chemistry
Date: August 23, 2021

Usha S. Iyer

Dr. Usha S. Iyer
PRINCIPAL

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