



S.I.W.S.
N.R. Swamy College of Commerce & Economics &
Smt. Thirumalai College of Science
Plot No. 337, Major R. Parameshwaran Marg, Sewree – Wadala Estate,
Wadala, Mumbai – 400 031.

CHEMISTRY DEPARTMENT
Report for the Academic Year 2017-2018

Activities of the department during the academic year 2017-18

- **Career Opportunities in Clinical Research:** Chemistry Department organized a lecture on Career Opportunities in Clinical Research on 5th August, 2017 to inspire students and to give them a glimpse of clinical research industry. The speaker was, Ms. Vaibhavi Kapatkar, (M.Pharm), a distinguished Clinical research professional. The session was interactive. There were 57 students from S.Y.B.Sc. & T.Y.B.Sc. classes along with faculty members.

- **National level Interdisciplinary Workshop on ‘Electron Microscopy of Nanoparticles’** was organized by the Chemistry & Physics department on 23, September 2017

The invited speakers were

Session-I

Dr. Pushan Ayub, Sr.Professor and Chair, Dept. of Condensed Matter Physics and Materials Science TIFR, Mumbai

Title: *Looking at Nanostructures Using High Resolution Electron Microscopy: Pros & Cons*

Session-II

Dr. Deepa Khuslani, Associate Professor, Materials Chemistry, Dept. of Chemical Sciences, T.I.F.R., Mumbai.

Title: *Electron Microscopy: An Invaluable Tool in the Study of Functional Materials*

Session -III

Dr. Andy Sen, Icon Analytical, National Manager, Application Specialist & Sales
Icon Analytical Inst. Pvt. Ltd., Mumbai.

Title: *Application of Electron Microscopes in the Development of Therapeutic Nano-Medicines*



Objective


- To provide in-depth theoretical and practical knowledge to faculty and students working on different facets of nanoparticle characterization using electron microscopy.
- To provide the latest updates about the materials research and the advancements achieved in the upcoming and novel areas.
- To provide a platform for future exchange of ideas and research.
- To demonstrate the use of electron microscopes and other highly sophisticated instruments for nanoparticle characterization.

In all, **85 faculty and research students**, participated in the workshop. After the lunch break, in the second part of the workshop, all the participants visited the state-of-the-art laboratories of National Centre for Nanosciences and Nanotechnology, University of Mumbai, Kalina Campus. The director of Nanoscience centre, Dr. Santosh Haram, gave away participation certificates to the delegates, at a short and impressive Valedictory function held at AV Auditorium of Nanoscience centre, at the end of the workshop.

- **Industrial visit to Silvassa on 19th and 20th January 2018**
IPCA Laboratories Ltd.
Universal Cosmetics
- **National level test 'CONTECH' conducted on 30th January 2018**
34 students participated
- **L.M.C. meeting on 31st January 2018**
Admitted one student for M.Sc. by research in Organic Chemistry (February 2018).
- **Visit to Mangroves at Sewree with the F.Y.B.Sc. & S.Y.B.Sc. students on 22nd February 2018.**
42 SY students and 25 Fy students participants



Dr. Sunita D. Shirvalkar
H.O.D., Chemistry



Dr. Usha S. Iyer
Principal

Date: March 21, 2018