

# DEPARTMENT OF CHEMISTRY

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**M.Sc. Chemistry**



**PLACEMENT  
BROCHURE**

**2021-23**

# VISION AND MISSION

- To be globally recognized as a premier institution engaged in cutting-edge research in Basic and Applied Sciences
- To be a Center of Excellence providing quality education and research training.
- To translate research outcome for betterment of society
- To collaborate with Educational Institutions/Universities of repute in frontier areas of Science and Technology



The SVKM's NMIMS Sunandan Divatia School of Science, was born out of the foresight of the University with a view to providing undergraduate and postgraduate students an opportunity to venture into the fascinating world of Sciences. The School aspires to be Centre of Excellence by creating a conducive student-centric environment that supports high quality teaching and research in niche areas of Science & Technology.

The Master's program in Chemistry, Biological Sciences/5- Year M.Sc. in Biomedical Science was designed to develop a student's scientific, experimental and analytical skills. Further, the research-intensive and laboratory-based curriculum covers contemporary subjects and is intended to meet the needs of the ever-evolving chemical & pharmaceutical industry, medical diagnostics industry, clinical research organizations and research institutions. Our students have been trained by excellent faculty who have a strong academic research background. Besides, the students are exposed to state-of-the-art infrastructure and equipment to enhance their hands on skills. Moreover, the compulsory research project as part of the curriculum, develops their technical skills and makes them ready to face the industry. To ensure a holistic development of the student, besides academics, students are a part of various committees/cells to hone their creative, social, cultural and inter-personal skills.

I take the pleasure in inviting companies to our school, for placements. Our effort is to enable interaction between students and companies to find the best match between their aspirations and requirements.

## MESSAGE FROM IN-CHARGE DEAN



**DR. (PROF.) PURVI BHATT  
IN-CHARGE DEAN  
SVKM'S NMIMS  
SUNANDAN DIVATIA  
SCHOOL OF SCIENCE**

# NMIMS SDSOS

Sunandan Divatia School of Science was started in 2007 with a view to provide undergraduate and post graduate students an opportunity to be a part of the unique learning methodology of the university, which lays emphasis on academic excellence combined with industry oriented training. The goal of the Sunandan Divatia School of Science is to be a Centre of Excellence in the domain of Pure and Applied Science by providing quality education and research. Currently the school is offering following programs:

**Ph.D. in Biological Sciences  
and Chemistry**

**M.Sc. in Statistics, Applied  
Statistics & Analytics, Biological  
Sciences & Chemistry**

**B.Sc. Applied Psychology &  
B.Sc. Animation & VFX**

**Masters of Physiotherapy**

**B.Sc. in Applied Psychology**

**Integrated M.Sc.-Ph.D. in  
Biological Sciences and  
Chemistry**

**B.Sc. in Data Science**

**Integrated M.Sc. in Biomedical  
Science**





## DEPARTMENT OF CHEMISTRY

- The Department of Chemistry offers degrees in M.Sc. Chemistry, Integrated M.Sc.-Ph.D. Chemistry, Ph.D. Chemistry(Regular & Professional). The courses are reviewed regularly in consultation with our Board of Studies, which comprises of experts from academia, research institutions and industry from all over India. Thus, the courses are tailor made to fulfil the requirements needed to keep pace with the current developments in scientific research.
- In the first year, along with the permanent faculties, the regular lectures are also conducted by visiting faculties who are experts in their respective fields. Apart from the course work, the faculty also conducts guest lectures by eminent academicians and scientists, paper presentations (Journal Club), etc. to ensure learner centric environment.
- After the 3rd semester in the second year students undertake 6 months research projects on varied topics either in industry or research institutions of repute.

# JOURNEY AT NMIMS

## Entry into NMIMS

- *Chemistry Graduates Applicants*
- *Screening by Written test*
- *Selection by interview performance*



## Rigorous Curriculum

- *Interdisciplinary curriculum*
- *Broad Domain knowledge*
- *Inculcation of Research Aptitude*
- *Development of interpersonal skills*
- *Research seminar/Journal club*
- *Guest talks/Industrial visits*

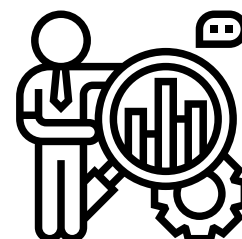


## Dissertation Project

- *Student Counselling in order to learn their subject interests.*
- *Research projects at reputed insitutes*

## Final placements

- *Emphasis on Employability*
- *Industry Oriented Education*
- *Inculcation of work ethics*
- *Mock interviews*



# WHY RECRUIT US ?



# EXTENSIVE COURSEWORK

## SEMESTER I

Analytical chemistry  
Physical chemistry  
Inorganic chemistry  
Organic chemistry

## SEMESTER II

Advanced organic spectroscopy  
Nanoscience & Nanotechnology  
Environmental & Green chemistry  
Research methodology & IPR

## SEMESTER III

Analytical chemistry  
Organic chemistry  
Material chemistry

## SEMESTER IV

Dissertation project at research institute or industry



# SPECIALIZATION IN CHEMISTRY

Organic Chemistry II  
 Organic Chemistry III  
 Organic Chemistry IV  
 Medicinal Chemistry

**ORGANIC  
 CHEMISTRY**

Analytical Chemistry  
 Advanced Analytical Techniques  
 Industrial Chemistry  
 Applied Electrochemistry

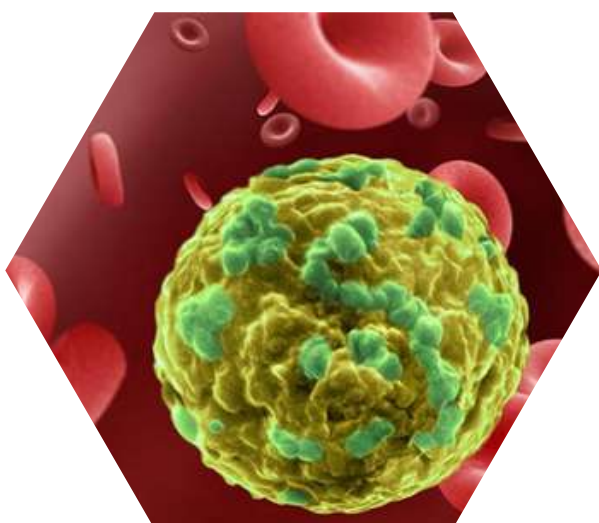
**ANALYTICAL  
 CHEMISTRY**

Introduction to Solid State Chemistry  
 Materials Characterisation and  
 Introduction to Biomaterials  
 Electrodeics of Materials  
 Design of Experiments

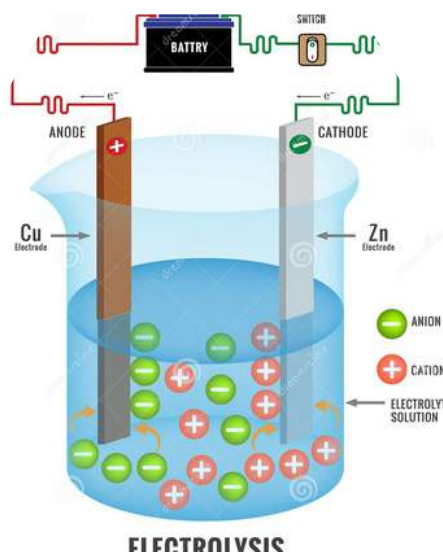
**MATERIALS  
 CHEMISTRY**

# RESEARCH AT SDSOS

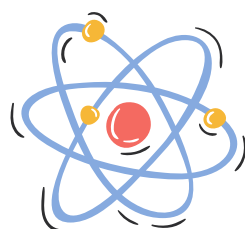
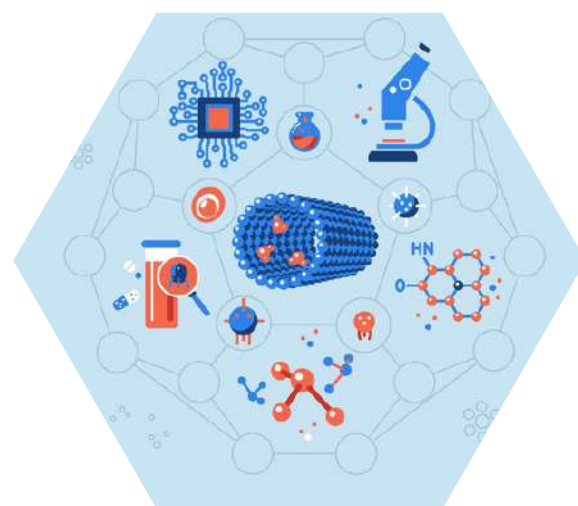
## Translational Cancer Research



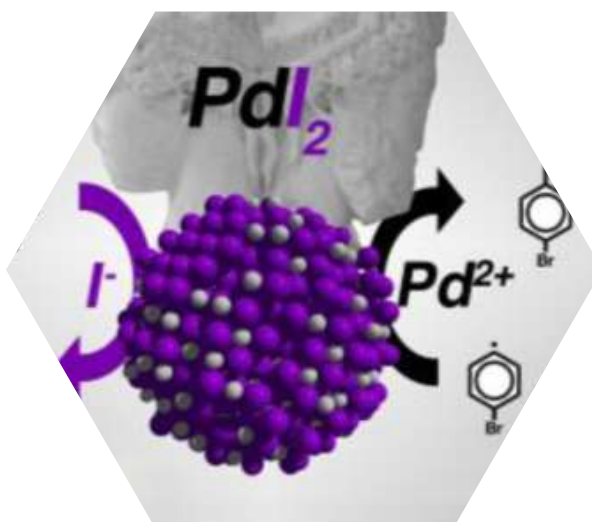
## Electrochemistry



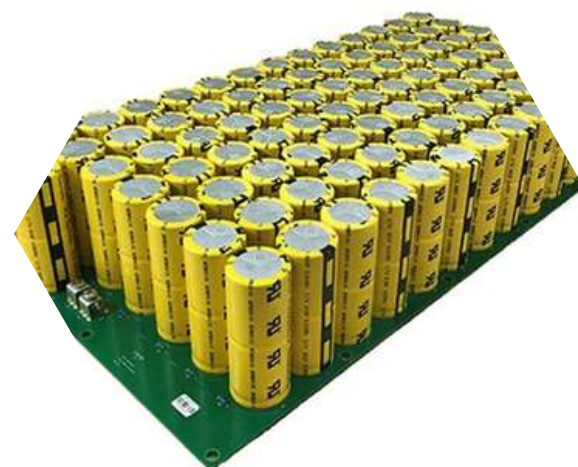
## Nanomaterials



## CO<sub>2</sub> Photoreduction



## Nanocatalysis



## Supercapacitor

# LAB INFRASTRUCTURE



## SHIMADZU UV-VIS SPECTROPHOTOMETER



## ATR-FTIR

# LAB INFRASTRUCTURE



**CENTRIFUGE**



**HPLC**

# LAB INFRASTRUCTURE



## PHOTO REACTOR



## TUBE FURNACE

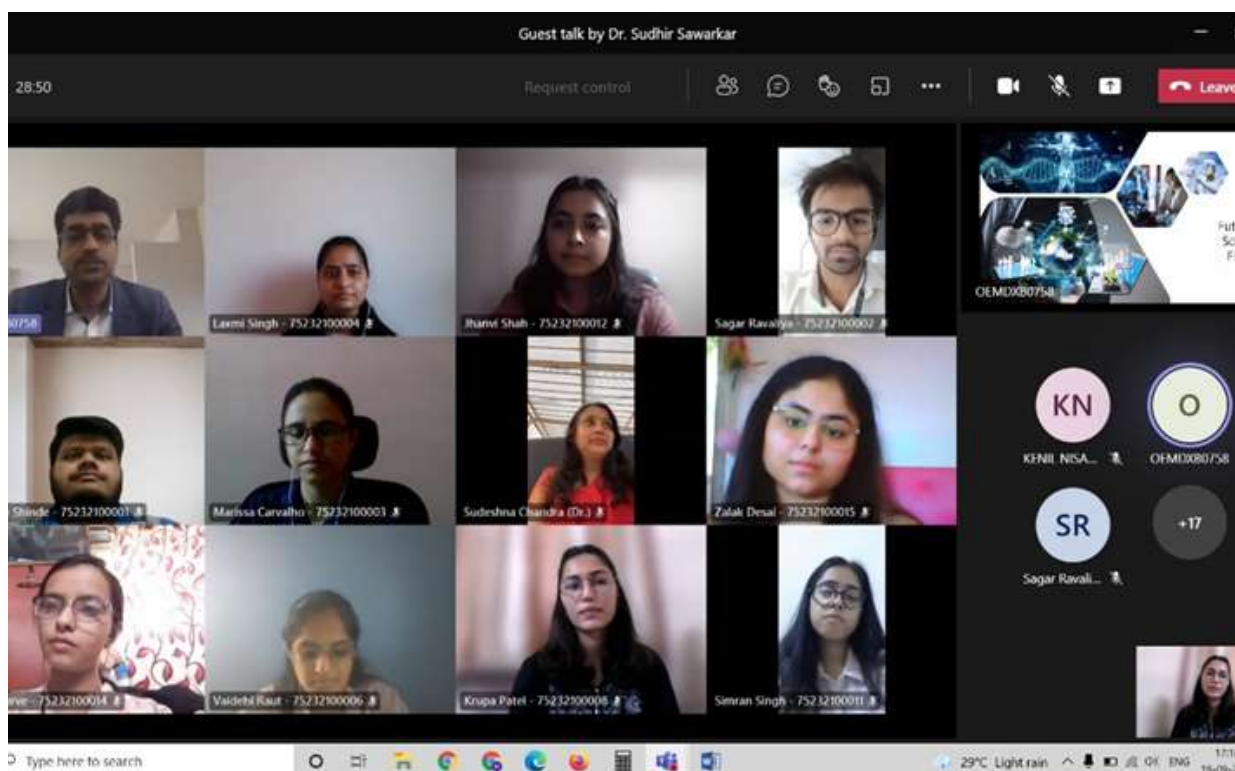
# PLACEMENT ACTIVITIES



**DR. SUDHIR SAWARKAR**  
PRINCIPAL  
SCIENTIST/CONSULTANT  
(QRSERVES GLOBAL LLC, UAE)  
TOPIC: FUTURE READY CHEMISTS  
IN PHARMA AND FMCG  
(18/07/2021)



**ANILKUMAR PARAMBHAT**  
R & D MANAGER  
(UNILIVER)  
TOPIC: DESIGN AND DEVELOPMENT  
FOR BIOMEDICAL  
APPLICATIONS(30/10/2021)



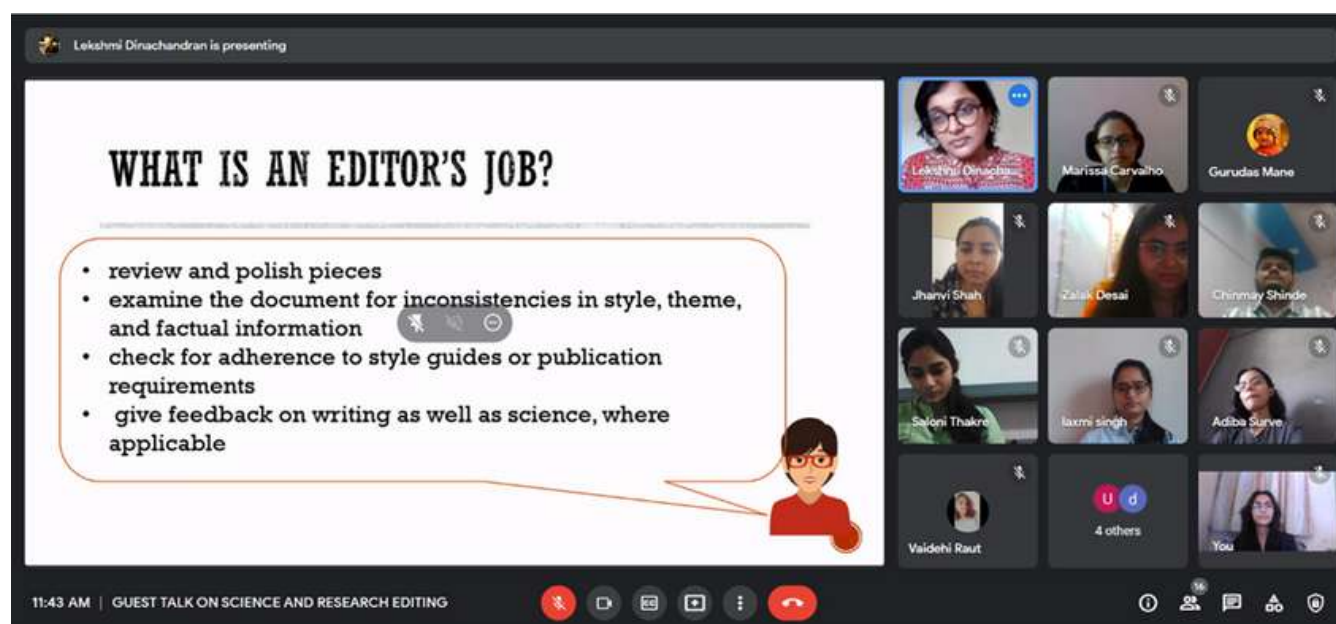
# PLACEMENT ACTIVITIES



**VIJENDER GUPTA**  
QUALITY MANAGER  
NESTLE INDIA LTD.  
TOPIC: SCOPE AND SKILLS  
REQUIRED FOR CHEMISTS IN  
FOOD INDUSTRY (22/01/2022)



**LEKSHMI DINACHANDRAN**  
RESEARCH EDITOR  
TOPIC: SCIENCE AND  
RESEARCH EDITING  
(07/02/2022)



Lekshmi Dinachandran is presenting

## WHAT IS AN EDITOR'S JOB?

- review and polish pieces
- examine the document for inconsistencies in style, theme, and factual information
- check for adherence to style guides or publication requirements
- give feedback on writing as well as science, where applicable

Participants: Lekshmi Dinachandran, Marissa Carvalho, Gurudas Mane, Jhany Shah, Zala Desai, Chinmay Shinde, Savani Thakre, Iaxmi Singh, Adiba Surve, Vaidehi Raut, 4 others, You.

11:43 AM | GUEST TALK ON SCIENCE AND RESEARCH EDITING

# PLACEMENT ACTIVITIES

## INDUSTRIAL VISIT



**Analytical Solutions, Rabale, Navi Mumbai**

**Date: 23/09/2022**



**NMRL-DRDO, Ambernath, Mumbai**

**Date: 28/09/2022**



# INTERNSHIPS



QbD RESEARCH & DEVELOPMENT LAB PVT. LTD



DelNova Healthcare

# PLACEMENTS



QbD RESEARCH & DEVELOPMENT LAB PVT. LTD



## EMINENT ALUMNI TESTIMONIALS (2020-22)



**ADITI SAKPAL**  
(Crimson Interactive)

OVERWHELMED... This term is one of the greatest ways to describe my time at Sunandan Divatia School of Science. What makes a university great is its supporting staff, calm lab setting, and abundant extracurricular activities, which I'm proud SDSOS provided. The welcoming and savvy faculty goes above and beyond to help you with coursework and at every event. My tenure at the University was during the COVID times and the transition from offline to online learning was smooth and apt. The online learning experience was dynamic. The science school revises its course outline to take into account the most recent advances in chemistry made all around the world. I'd also want to express my gratitude to the placement coordinators for their assistance in introducing us to the business world.



**VINAY ADHIKARI**  
(UPL)

It was my immense luck and fortune to be the part of SDSOS NMIMS University Where I grow as a Professional, a memory to cherish for the life time. The Chemistry faculty at SDSOS help me to enhance my academics and interpersonal skills. The courses offered by them are designed in such a way that students get both industrial and research experience. Even it was been pandemic time the class were going virtual but the efforts by the faculty members were astonishing and marvellous. The virtual class was been difficult to attend but the faculty members make every effort to make it interesting one and help us in each and every possible way. Huge Respect and Love for the entire faculty members and department of chemistry. It is their efforts that make me to count myself into a better professionals.

## EMINENT ALUMNI TESTIMONIALS (2020-22)



**AMEESHA  
BHARGAVA**

My time at SDSOS, NMIMS began during the pandemic with the entire coursework planned very articulately. I had the chance to enrol myself in an extra-credit course from a different school of NMIMS which clearly denotes its interdisciplinary approach. I have learnt significant things from the faculty members which will help me move forward and grow not just in an academic space but also in life. Despite the COVID situation, the institute offered us different tools for broadening our knowledge pool via webinars, online workshops, various intra and inter-college competitions on special days. I am grateful for what I have absorbed in these two years at SDSOS and hope to carry it forward.



**VIGHNESH CHANDAN**  
**(Asian Paints)**

NMIMS SDSOS has provided a great platform for learning and enhancing our knowledge and skills. The curriculum is highly industry oriented with including a full semester internship in reputed company, interactive guest lectures with renowned professionals and soft skill development course which helped immensely in developing our professional skills. I will be forever grateful to NMIMS & the faculties for their efforts.

# CLASS OF M.Sc. CHEMISTRY 2021-23



**Chinmay Shinde**



**Sagar Ravaliya**



**Marissa Carvalho**



**Laxmi Singh**



**Dimple Sumbad**



**Vaidehi Raut**

# CLASS OF M.Sc. CHEMISTRY 2021-23



**Krupa Patel**



**Umang Panchal**



**Ayush Shetty**



**Simran Singh**



**Jhanvi Shah**



**Dakshita Yadav**

# CLASS OF M.Sc. CHEMISTRY 2021-23



**Adiba Surve**



**Zalak Desai**



**Chahna Sakhiya**



**Kenil Nisar**



**Saloni Thakare**

# CONTACT US



## **Placement and Internship Advisor (Chemistry)**

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### **Vice President:**

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