

2020-2021
Volume 1



SUNANDAN DIVATIA
SCHOOL OF SCIENCE

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CHRONICLES

The Annual E-Magazine

The
Department
of Biological Sciences

PREFACE

In the words of the American Astronomer Carl Sagan, “Science is a way of thinking much more than it is a body of knowledge”. The inaugural edition of Sci-Chronicles, the Departmental magazine for the Department of Biological Sciences, SDSOS, SVKM’s NMIMS Deemed to be University, attempts to highlight this very philosophy. The inculcation of the scientific thought process in the students and its translation into research has been the key mission of the department.

Sci-Chronicles, our annual E-magazine introduces the reader to the members and workings of the department of biological sciences. It chronicles the various achievements and activities, both academic as well as research based, undertaken by the students and faculty members. The readers are taken on a journey through the department’s activities throughout the previous academic year, and of the valuable moments captured along the way.

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DEAN'S MESSAGE

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 post-graduate students an opportunity to venture into the fascinating world of Sciences. The school aspires to be a Centre of Excellence by creating a conducive student-centric environment that supports high quality teaching and research in niche areas of Science & Technology.

The 5-Year Integrated M.Sc. The Biomedical Science program and the Master's program in Biological Sciences is 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 Biotechnology & 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 interpersonal skills.

I am extremely delighted and congratulate the entire Sci-Chronicle team for their hard work and efforts to put forth a highly versatile first issue of the annual magazine which not just highlights but also provides insights of all the year-round activities carried out at the Department of Biological Sciences, NMIMS SDSOS. I am sure this issue will serve as an inspiration for many upcoming editions in the future.



DR. NEETIN DESAI

Dean

Sunandan Divatia School of Science, NMIMS

HOD'S MESSAGE

DR. PURVI BHATT

**Associate Professor & Head of
Department, Department of Biological
Sciences**

**Sunandan Divatia School of Science,
NMIMS**



The department of Biological Sciences has expanded over the years since 2007 and currently offers four programs namely Ph.D. Biological Sciences, Integrated M.Sc.-Ph.D. Biological Sciences, M.Sc. Biological Sciences and 5-Year Integrated M.Sc. in Biomedical Science.

All year round, students are not only involved in regular coursework activities consisting of lectures and practicals but also in various co-curricular and extra-curricular activities that help in their overall development.

I am very pleased to see Sci-Chronicle, first annual e-magazine of the Department of Biological Sciences shape up so well that it aptly highlights all the year-round activities of students and faculty. It was a vision that was conveyed to our highly motivated and talented team of students from Master's and UG program and their dedication, hard work and creativity has shaped this magazine much beyond my expectations. I thank all my young, creative and energetic Sci-Chronicle teammates for working together and congratulate them for creating this versatile informative piece of magazine that provides all a birds' eye view of activities in the academic year 2020-2021. I am sure this issue will now inspire more students to contribute to future volumes of this magazine. I wish all of them success for all their future endeavors.

ABOUT SDSOS



Sunandan Divatia School of Science (SDSOS) was established by SVKM's NMIMS Deemed to be University in 2007, with the purpose of developing highly skilled undergraduate and postgraduate students, fit for the industries as well as research. Progression of science demands up-to-date knowledge of concepts, equipment and techniques. This has all been possible for students at SDSOS, owing to the constantly upgrading curriculums, teaching systems and facilities. The department of Biological Sciences, currently headed by Dr. Purvi Bhatt, is well equipped to train students in every aspect of biological and biomedical sciences by enhancing the students' knowledge through interdisciplinary coursework and activities.

INFRASTRUCTURE

SDSOS, NMIMS offers a state of the art infrastructure furnished with the latest resources for the convenience and growth of students. The school aspires to provide the students with opportunities to satiate their curiosity and boost innovative minds, shaping them into individuals fit for jobs in the research as well as industry sectors.



SANKTOBA HALL



ENTRANCE



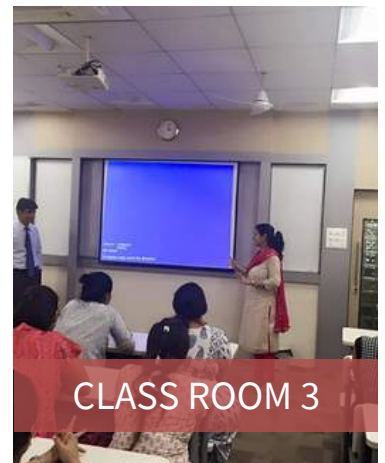
CANTEEN



CONFERENCE ROOM



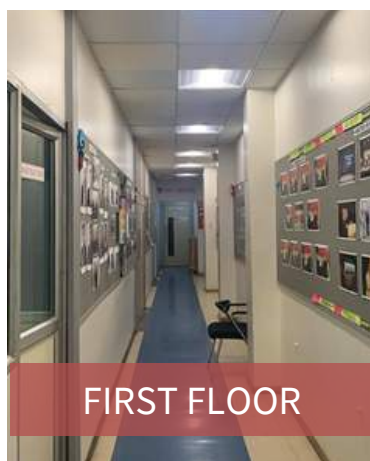
SANKTOBA FOYER



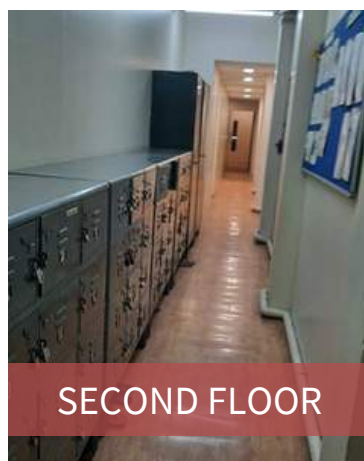
CLASS ROOM 3



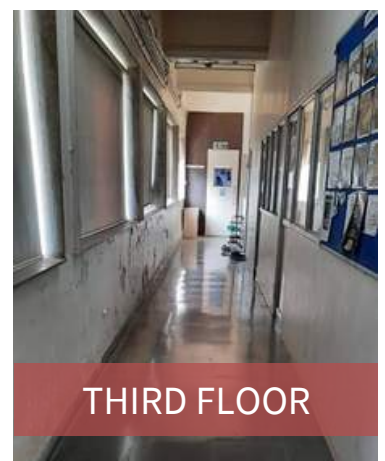
CLASS ROOM 4



FIRST FLOOR



SECOND FLOOR



THIRD FLOOR



The library facility is constantly updated with latest information and is easily accessible via an electronic mode to students.



SDSOS, NMIMS also offers a Bioinformatics Lab/IT centre facility with high-end computers and a stable internet connectivity.



PCR Lab



Microbiology Lab



Physiology Lab

The labs at SDSOS, NMIMS provide a modernized infrastructure and latest equipment to carry out research in cutting edge areas like nanosciences, stem cell research and cancer research.



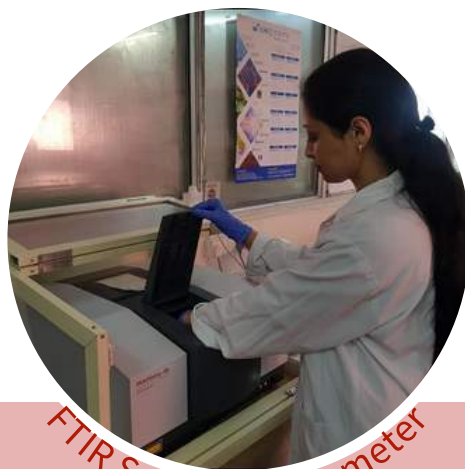
Real Time PCR



Agarose Gel Electrophoresis



Gel Documentation System



FTIR Spectrophotometer



UV/Vis Spectrophotometer



HPLC

The instruments and other equipment undergo routine maintenance checks to ensure their efficiency and sensitivity.



The animal tissue culture lab and the wet labs at the department of Biological Sciences offer cutting edge technology to mould students into scientists.

COURSES OFFERED

DEPARTMENT OF BIOLOGICAL SCIENCES

Ph.D. in Biological Sciences

Integrated M.Sc.-Ph.D. in
Biological Sciences

M.Sc. in Biological Sciences

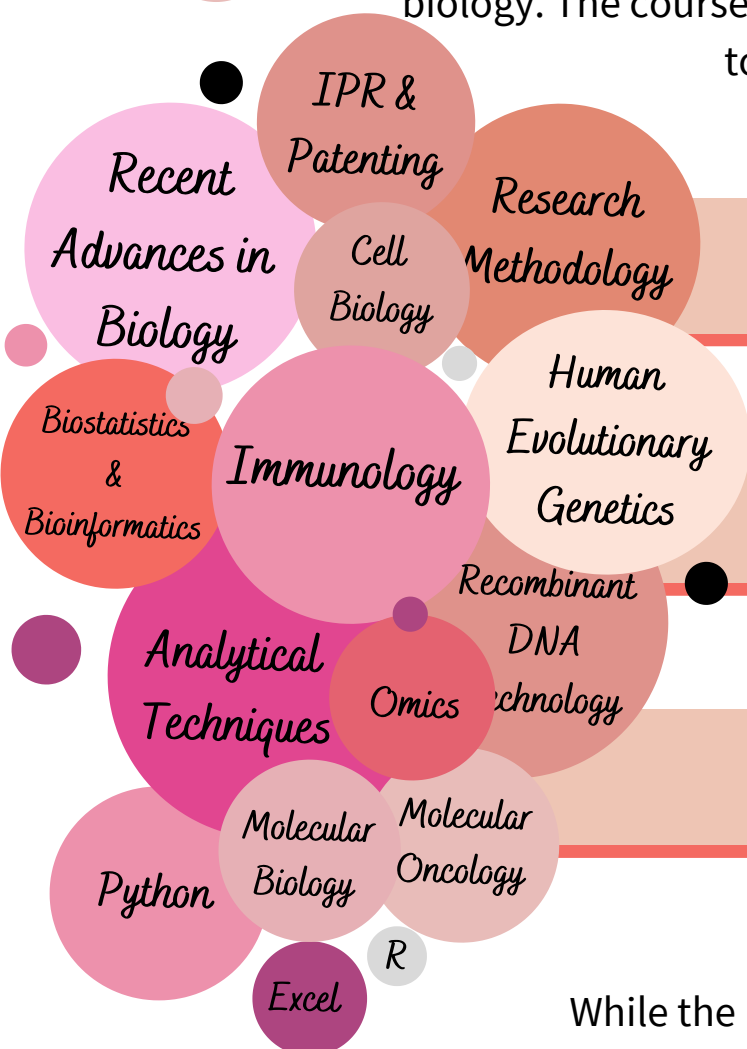
5-Year Integrated M.Sc. in
Biomedical Science



OUR CURRICULUM

Biological Sciences

The curriculum for Biological Sciences provides deep, comprehensive, and contemporary insights into the fundamentals and applications of biology. The course is designed to fulfil the requirements needed to keep pace with the current developments in scientific research and Industry.



Ph.D. in Biological Sciences

min. 4 years

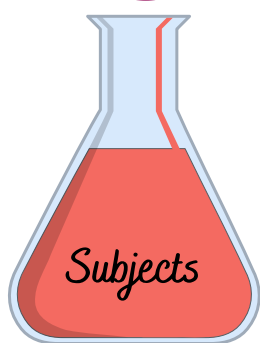
Integrated M.Sc.- Ph.D. in Biological Sciences

2 years M.Sc.+ min. 3 years Ph.D.

M.Sc. in Biological Sciences

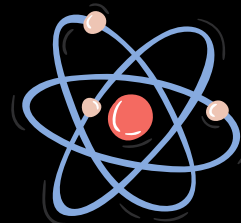
2 years

While the research student will have ample opportunity to acquire hands-on training on modern, sophisticated instruments/equipment wherever necessary, he/she will also be able to benefit from the expertise of one or more supervisors, wherever needed.





OUR CURRICULUM

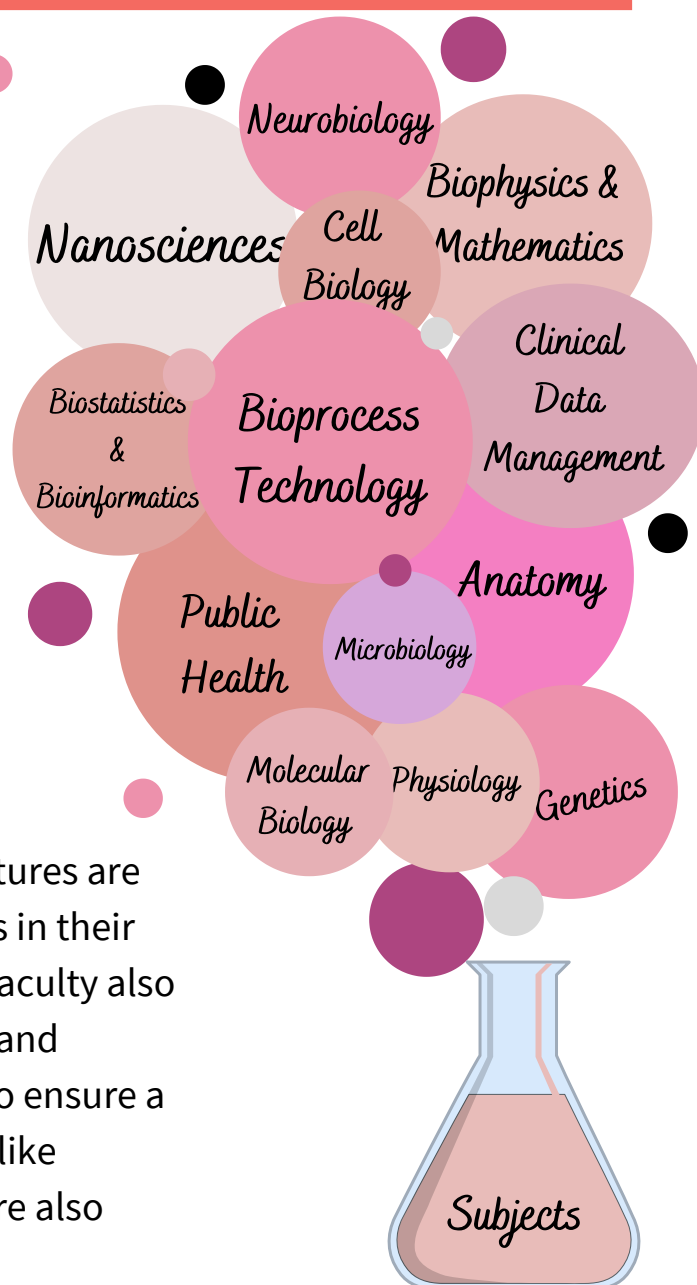


Biomedical Science

5-Year Integrated M.Sc. in Biomedical Science

The M.Sc. in Biomedical Sciences curriculum provides an understanding of the basic concepts with a holistic view to offer a broad, thorough and intellectually challenging approach in the field of Science. It enables students to understand the basics of biology and the clinical and medical aspects of biology. The course is reviewed regularly in consultation with our Board of Studies, which comprises experts from academia, research institutions and industry from all over India. Thus, the course is tailor-made to fulfil the requirements needed to keep pace with the current developments in scientific research.

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 and paper presentations (Journal Club) to ensure a learner-centric environment. In addition, methods like quizzes, discussions, tutorials, Industry visits etc. are also used by the faculty to benefit the students.



OUR FACULTY

DR. NEETIN DESAI

Dean
Biotechnology



DR. PURVI BHATT

Associate Professor
(HOD)
Molecular Biology and
Cancer Biology



DR. EKTA KHATTAR

Associate Professor
Telomere Biology and
Cancer



DR. HARINDER SINGH

Assistant Professor
(Program Chairperson:
M.Sc./Intg. M.Sc.-Ph.D./
Ph.D. Biological Sciences)
Molecular Biology,
Biochemistry and Microbiology



DR. BRIJESH SUKUMARAN

Assistant Professor
(Program Chairperson: 5-
Year Intg. M.Sc. in
Biomedical Science)
Microbiology, Pharmacology
and Cell Biology



DR. SONAL MANOHAR

Assistant Professor
Cancer Biology and Cell
Signaling



DR. SIMRAN ARORA

Assistant Professor
Epigenetics, Incorporating
Unnatural Amino Acid and
Protein Engineering



**Please click on the faculty names to
visit their pages**

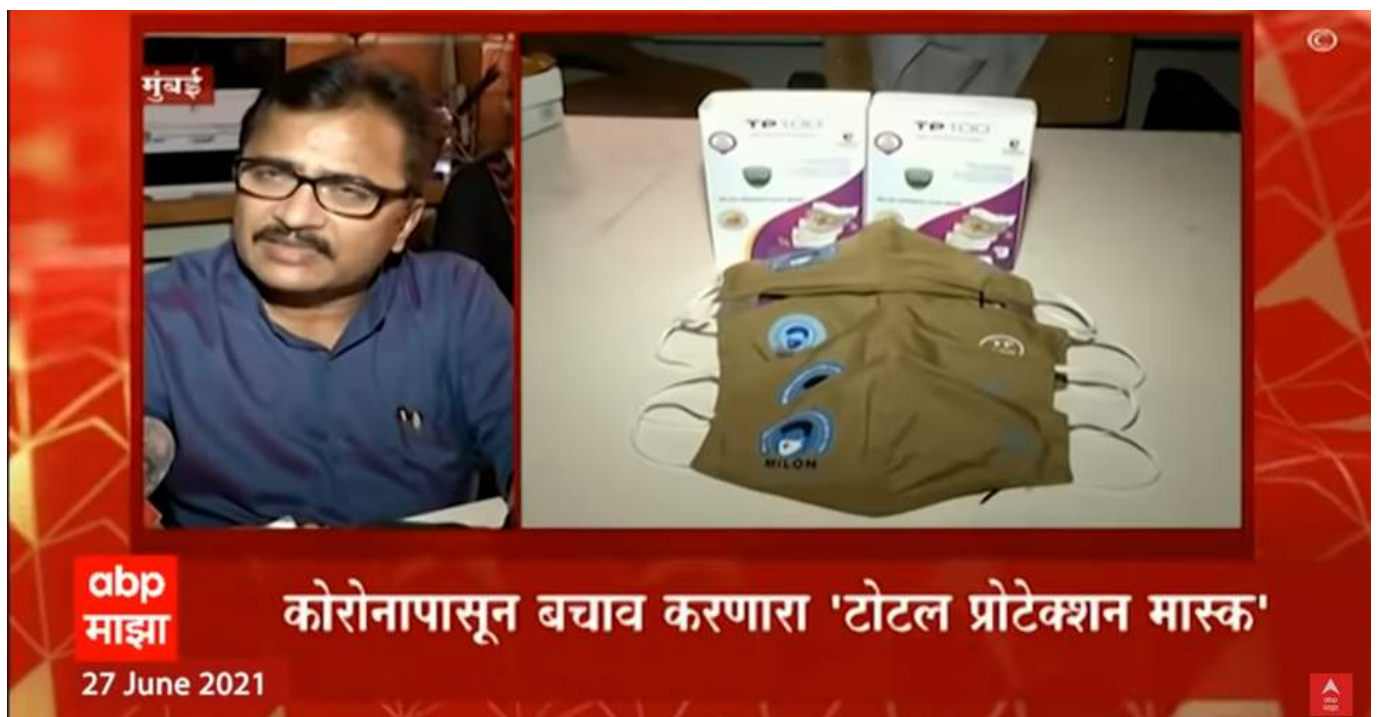
PATENTS FILED

Title of patent: Development of nanoparticle-coated, self-sterilizing battery operated mask with enhanced microbial protection.

Authors: Neetin Desai, Vrushali S. Joshi, Jeevan R. Pradhan

Title of patent: Development of economically viable, reusable battery-operated, self-sterilizing respirator using copper foil.

Authors: Neetin Desai, Vrushali S. Joshi, Jeevan R. Pradhan



SEED GRANTS

July 2020 to June 2021

Dr. Purvi Bhatt received seed grant of ₹ 1,03,962/- for a project entitled "Exploring the Senotherapeutic potential of various bioactive compounds on breast cancer lines"

Dr. Brijesh S. received seed grant of ₹1,00,000/- for a project entitled "In vivo investigation to determine toxicity and efficacy of a combination of anti-rheumatic drugs"

Dr. Harinder Singh received seed grant of ₹1,00,000/- for a project entitled "Improving Phytase by rational enzyme engineering approach"

PUBLICATIONS

July 2020 to June 2021

Fernandes SG, Shah P, Khattar E (2021). Recent Advances in Therapeutic Application of DNA Damage Response Inhibitors against Cancer. *Anti-Cancer Agents in Medicinal Chemistry*. (IF: 2.5)

Alekar AN (2021). The outcomes of fetal cell microchimerism in the mother. *Biomedical Research Journal* 8: 1–6.

Shetty S (2021). Is three-parent IVF the answer to preventing mitochondrial defects? *Biomedical Research Journal* 8: 9–13.

Kulkarni P (2021). *Bacopa monnieri* (Brahmi): A potential treatment course for neurological disorders: Review. *International Journal of Herbal Medicine* 9: 10–18.

Balakrishnan A, Walimbe K, Awasthi S, Athreya S, Saini V (2021). Analeptic Properties of Rosuvastatin and CQ10 Combination. *International Journal of Medical and Biomedical Studies* 5: 84–111.

Mirchandani Y, Patravale V, Brijesh S (2021). Solid lipid nanoparticles for hydrophilic drugs. *Journal of Controlled Release* 335: 457–464. (IF: 9.7)

Moramkar N, Bhatt P (2021). Insight into chitosan derived nanotherapeutics for anticancer drug delivery and imaging. *European Polymer Journal* 154: 110540. (IF: 4.598)

Desai D, Pethe P (2021). ChIP-qPCR for Polycomb Group Proteins During Neuronal Differentiation of Human Pluripotent Stem Cells. *Methods in Molecular Biology*.

Puri A (2021). Detection Potential of Recently Discovered Techniques for Recovering Latent Fingerprints: A Review. *Journal of Forensic Science and Criminology* 9: 105–112.

Gala K, Khattar E (2021). Long non-coding RNAs at work on telomeres: Functions and implications in cancer therapy. *Cancer Letters* 502: 120–132. (IF: 7.36)

Fernandes SG, Dsouza R, Khattar E (2021). External environmental agents influence telomere length and telomerase activity by modulating internal cellular processes: Implications in human aging. *Environmental Toxicology and Pharmacology* 85: 103633. (IF: 3.292)

Sawant S, Dugad J, Parikh D, Singh H (2021). Absolute quantitation of oral bacteria involved in oral cancer by real-time PCR. *Medicine in Microecology* 7: 100034.

Nagar A, Kamble A, Singh H (2021). Preliminary screening, isolation and identification of microbial phytase producers from soil. *Environmental and Experimental Biology* 19: 11–22.

Dumasia NP, Khanna AP, Pethe PS (2021). Sonic hedgehog signals hinder the transcriptional network necessary for pancreatic endoderm formation from human embryonic stem cells. *Genes to Cells* 26: 282–297. (IF: 1.655)

Manohar SM, Shah P, Nair A (2021). Flow cytometry: principles, applications and recent advances. *Bioanalysis* 13: 185–203. (IF: 2.371)

Khandare RV, Watharkar AD, Pawar PK, Jagtap AA, Desai NS (2021). Hydrophytic plants *Canna indica*, *Epipremnum aureum*, *Cyperus alternifolius* and *Cyperus rotundus* for phytoremediation of fluoride from water. *Environmental Technology & Innovation* 21: 101234.

Chikhaliwala P, Schlegel W, Lang H, Chandra S (2021). Inkjet printed patterns of polyamidoamine dendrimer functionalized magnetic nanostructures for future biosensing device application. *Journal of Materials Science* 56: 5802–5816. (IF: 3.559)

Pethe PS, Dumasia NP, Bhartiya D (2021). Effect of Sonic hedgehog pathway inhibition on PDX1 expression during pancreatic differentiation of human embryonic stem cells. *Molecular Biology Reports* 48: 1615–1623. (IF: 1.402)

Krishnan A (2020). Emotion Regulation in Adolescence: Different Strategies and Associated Functional Connectivity of Brain Regions. *Biomedical Research Journal* 7: 34.

Gala K, Khattar E (2020). An overview on the application of nanodiagnostics in cancer. *Biomedical research journal* 7: 40–44.

Shetty A, Chandra S (2020). Inorganic hybrid nanoparticles in cancer theranostics: understanding their combinations for better clinical translation. *Materials Today Chemistry* 18: 100381. (IF: 3.68)

Dumasia N, Pethe P (2020). Pancreas development and the Polycomb group protein complexes. *Mechanisms of Development* 164: 103647. (IF: 2.216)

Shelat R, Kumar Bhatt L, Paunipagar B, Kurian T, Khanna A, Chandra S (2020). Regeneration of hyaline cartilage in osteochondral lesion model using L-lysine magnetic nanoparticles labeled mesenchymal stem cells and their in vivo imaging. *Journal of Tissue Engineering and Regenerative Medicine* 14: 1604–1617. (IF: 3.078)

Virdi JK, Pethe P (2020). Biomaterials Regulate Mechanosensors YAP/TAZ in Stem Cell Growth and Differentiation. *Tissue Engineering and Regenerative Medicine* 18: 199–215. (IF: 2.374)

Desai D, Khanna A, Pethe P (2020). PRC1 catalytic unit RING1B regulates early neural differentiation of human pluripotent stem cells. *Experimental Cell Research* 396: 112294. (IF: 3.383)

Yete S, Saranath D (2020). MicroRNAs in oral cancer: Biomarkers with clinical potential. *Oral Oncology* 110: 105002. (IF: 3.979)

Manohar S (2020). Insights into the Molecular Drivers of Prostate Cancer. In: Watanabe HS (ed) *Horizons in Cancer Research* 75. Nova Science Publishers, New York, USA.

Shah HD, Saranath D, Murthy V (2020). A molecular dynamics and docking study to screen anti-cancer compounds targeting mutated p53. *Journal of Biomolecular Structure and Dynamics*. (IF: 3.31)

Sahoo S, Kharkar PS, Sahu NU, Brijesh S (2020). Anxiolytic activity of *Psidium guajava* in mice subjected to chronic restraint stress and effect on neurotransmitters in brain. *Phytotherapy Research* 35: 1399–1415. (IF: 4.087)

Khattar E, Tergaonkar V (2020). Role of Rap1 in DNA damage response: implications in stem cell homeostasis and cancer. *Experimental Hematology* 90: 12–17. (IF: 2.82)

Fernandes SG, Dsouza R, Pandya G, Kirtonia A, Tergaonkar V, Lee SY, Garg M, Khattar E (2020). Role of Telomeres and Telomeric Proteins in Human Malignancies and Their Therapeutic Potential. *Cancers* 12: 1901. (IF: 6.126)

Chikhaliwala P, Chandra S (2020). Poly-amidoamine dendrimers@Fe₃O₄ based electrochemiluminescent nanomaterials for biosensing of liver cancer biomarkers. *Electroanalysis* 32: 2404–2414. (IF: 2.544)

CLUBS AND ACTIVITIES

SCIENCE CLUB

Being a scientist: contributions during the global pandemic

NMIMS, Sunandan Divatia School of Science
7th October 2020



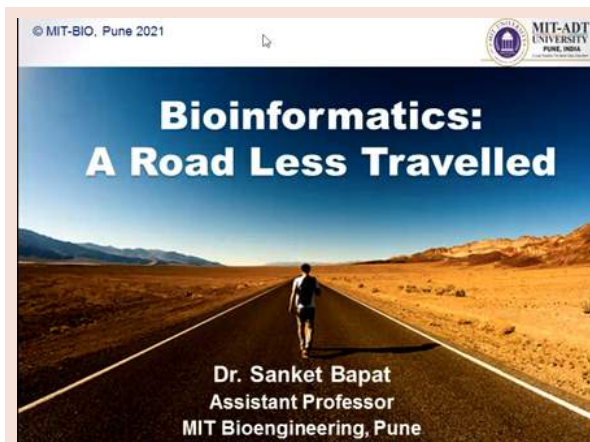
Swati Patankar

Professor, Dept of Biosciences & Bioengineering
Indian Institute of Technology Bombay

Guest Talk on October 7, 2020 -
“Being a Scientist- Contributions during the global pandemic” by Prof. Dr. Swati Patankar, Professor, Department of Bioscience and Bioengineering, IIT Bombay.



Started their own YouTube channel.



Guest Talk on
“Bioinformatics:
The Road Less
Travelled” by Dr.
Sanket Bapat,
Professor at MIT
School of
Bioengineering
Sciences and
Research, Pune on
the occasion of
National Science
Day 2021
(February 28,
2021).



NATURE CLUB

Guest Talk by Mr. Aditya Gupta, an entrepreneur, who has the distinction of being one of those few who have scaled Mount Everest. He mentioned his experiences and challenges during his feat of scaling the summit. (27th September 2020)



JOURNAL CLUB

Ph.D. student Shrey Madeka presented her work on "Ayurvedic Treatment of Acute Ischemic Stroke". (12th February 2021)

Members of the club discussed about the SARS-CoV-2 Variants and its research conducted by INSACOG. (7th May 2021)

Ayurvedic Treatment of Acute Ischemic Stroke: A Prospective Observational Study


J Aarthi Harini, Avineet Luthra, Shrey Madeka, Prasan Shankar, Pitchaiah Mandava, Ravishankar Pervaje, Sanjith Aaron, and Archana Purushotham
Global Advances in Health and Medicine Volume 8: 1-8, 2019



COMPETITIVE EXAM CLUB



SUNANDAN DIVATIA
SCHOOL OF SCIENCE



COMPETITIVE EXAM CLUB PRESENTS

Guest lecture on

"COMPETITIVE EXAMS IN BIOLOGY"

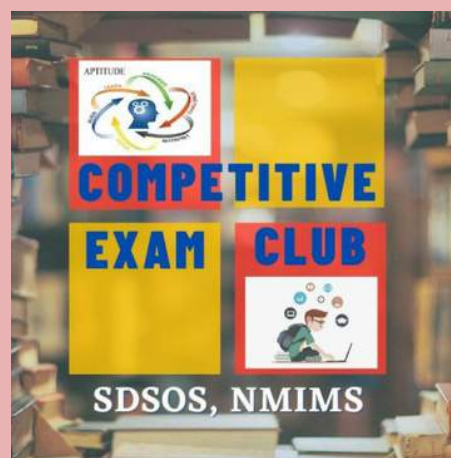
Speaker:

Dr. Indumathi Somasundaram

FOUNDER AND DIRECTOR OF IABM, KHOLHAPUR, MAHARASHTRA



THURSDAY | OCTOBER 22
6 PM ONWARDS ON ZOOM



Guest lecture on "Competitive Exams in Biology" by Dr. Indumathi Somasundaram, Founder and Director of Indu's Academy of Biology and Medicine (IABM) at Kolhapur, Maharashtra. (22nd October 2020)



THE SOSSY TAPES

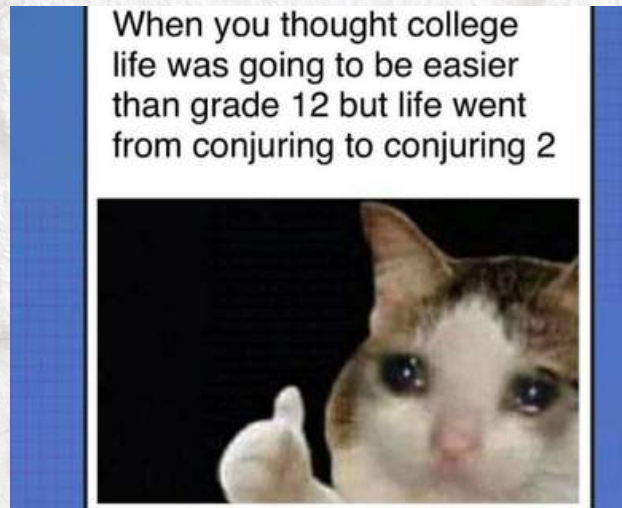
A special podcast series on different topics from currently trending topics in the world to life on the SDSOS campus.

Date: Since 22nd August , 2020

MEMEOIR

A contest that allowed the participants to showcase their humour and creativity in making the memes and had everyone scrambling to get the best laugh out of the audience.

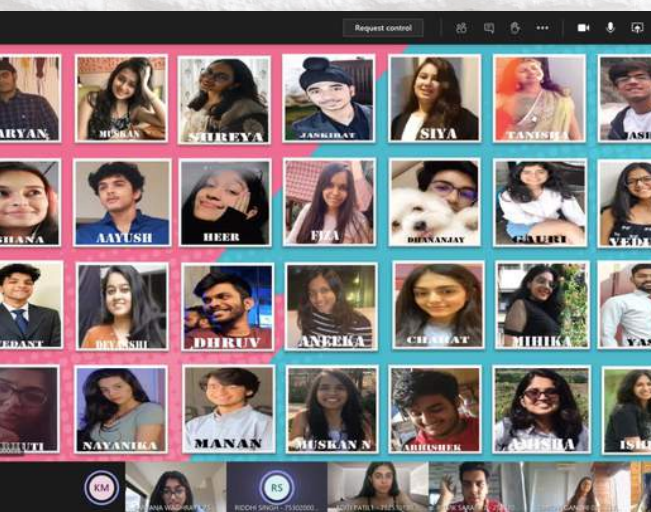
Date: 26th to 29th August, 2020



SOSBOOK

A peer-tutoring network wherein the freshers registered for the event were paired with seniors from the institute to help them smoothly transition into life at SDSOS.

Date: Since 30th August, 2020

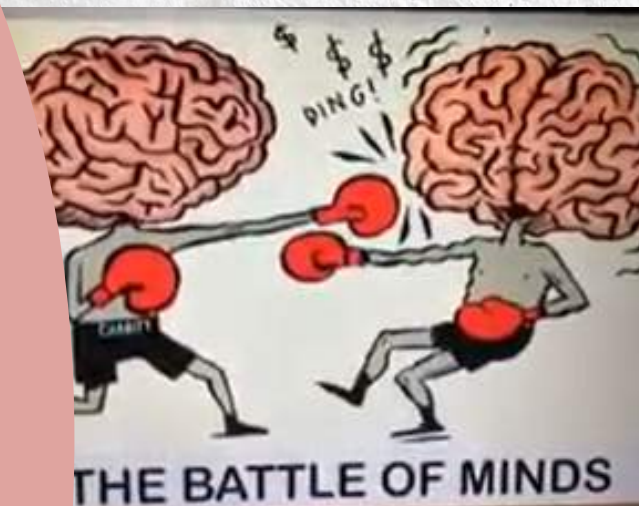


IPL AUCTION

The participating teams had to build their Dream 10 team for the IPL under a set budget after qualifying the first round.

Date: 3rd to 4th September, 2020





THE BATTLE OF MINDS

Just as the name suggests it was a debate that allowed the participants to battle it out with their logic and oratory skills on the topic of "Covid-19- a blessing in disguise for students?".

Date: 5th September, 2020

TEACHERS' DAY CELEBRATION

The Student Council organized a virtual celebration to show our gratitude towards our teachers. Some students performed and spoke on how teachers help in shaping the future of students.

Date: 5th September, 2020



FANTASY PREMIERE LEAGUE

The participants could form their dream teams for the game in the app and play to win.

Date: 13th September, 2020

MINUTE TO WIN IT

This event included taking pictures with objects in the house and even singing or dancing to the clues given about different songs, where-in the contestants battled each other and completed multiple tasks within a 60 seconds time-frame.

Date: 9th October, 2020





WAR AND PIECE

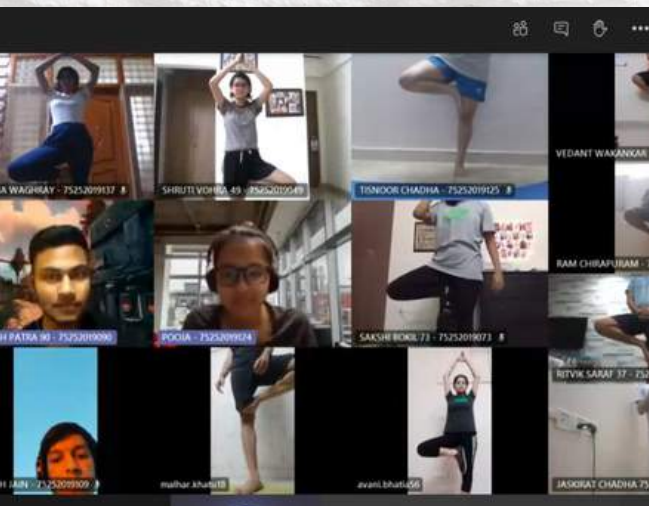
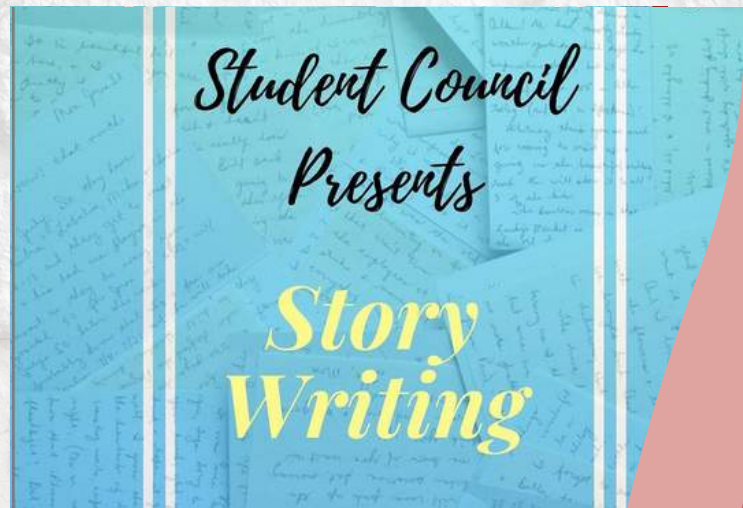
The chess tournament organized by the Council was a platform to show-off their Checkmate skills.

Date: 10th October, 2020

STORY WRITING COMPETITION

Little did we know that SDSOS students would write such amazing stories that it would give the judges a run for their money.

Date: 16th & 18th October, 2020



THE FITNESS CHALLENGE

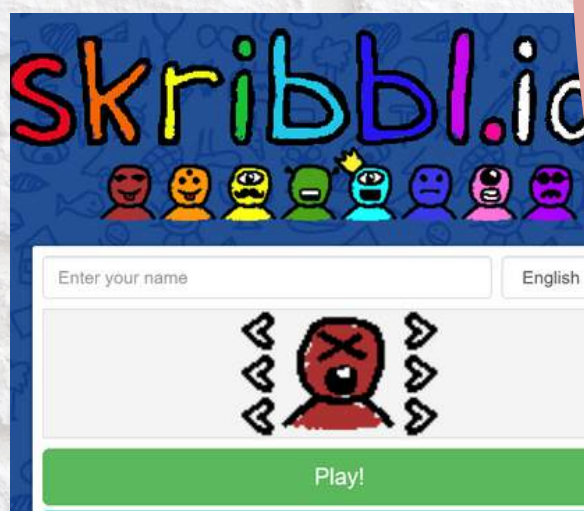
This challenge allowed our students to take their workouts up a notch and provided some much-needed motivation. This along with the competition between batches proved to be a success with overwhelming participation.

Date: 17th October, 2020

SKRIBBL

Artists and non-artists of SDSOS alike got to try their hand at drawing to win points in an online rendition of Pictionary.

Date: 20th October, 2020





HACKED

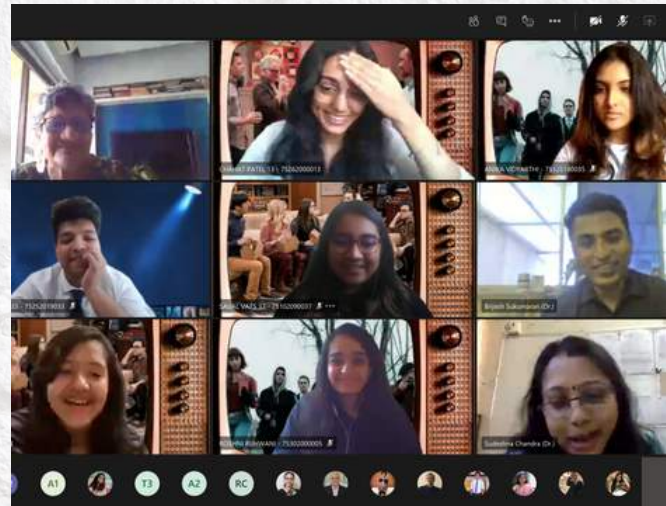
The participants had to hack and retrieve passwords by answering logical and mathematical questions to advance to the next round.

Date: 24th & 25th October, 2020

EXCALIBUR

Our annual cultural festival was conducted with the theme '*Binge It On*'. Since everything has been virtual, the theme was based on what we enjoy doing the most virtually, binging!

Date: 20th February, 2021



PARTICIPANT 6
MUSKAAN KOTHARI
Year - B.Sc. Applied Statistics and Analytics



PARTICIPANT 5
AMAAN SHAKIL MULTANI
First Year - B.Sc. Data Science



COMPLETED Ph.D. PROJECTS

July 2020 to June 2021

SUPRIYA BHARTE

Mentor: Dr. Krutika Desai

Project: Enhancement of biofuel production from microalgae

Viva-Voce Date: 4th July 2020

RUCHITA SHELAT

Mentor: Dr. Sudeshna Chandra

Project: Development of functionalized iron oxide nanoparticles for stem cell labelling and in vivo imaging

Viva-Voce Date: 13th January 2021

PRIYAL CHIKHALIWALA

Mentor: Dr. Sudeshna Chandra

Project: Development of dendrimer-magnetic nanoparticle based electrochemical biosensors

Viva-Voce Date: 4th March 2021

SWATI SAHOO

Mentor: Dr. Brijesh S.

Project: Anxiolytic activity of Medicinal Plants and Associated Changes in Brain

Viva-Voce Date: 17th March 2021

DIVYA DESAI

Mentor: Dr. Prasad Pethe

Project: Role of polycomb repressive complexes in neuronal lineage differentiation from human pluripotent stem cells

Viva-Voce Date: 8th April 2021

JEANETTE MARTINS

Mentor: Dr. Brijesh S.

Project: Anti-depressant Activities of Medicinal Plants as Adjuncts for Selective Serotonin Reuptake Inhibitors

Viva-Voce Date: 22nd April 2021

HETAL DAMANI

Mentor: Dr. Dhananjaya Saranath

Project: Genomic Variants and Computational Modelling in Oral Cancer

Viva-Voce Date: 27th April 2021

M.Sc. DISSERTATION PROJECTS

M.Sc. & Integrated M.Sc.-Ph.D. Biological Sciences (December 2020–April 2021)

Name: Pooja Ajay Gilitwala

Institute: Kokilaben Dhirubhai Ambani Hospital and Medical Research Institute

Supervisor: Dr. Sunita Polampalli

Project: Validation Of Fluorescence *In-Situ* Hybridization (FISH) Assay for Multiple Myeloma Panel in CD138+ Purified Plasma Cells

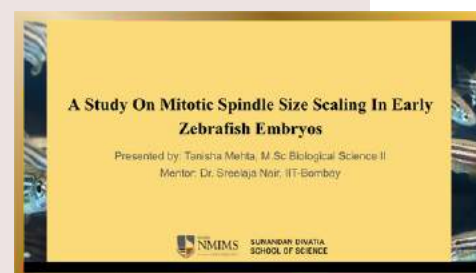


Name: Tanisha Mehta

Institute: Indian Institute of Technology-Bombay

Supervisor: Dr. Sreelaja Nair

Project: A Study on Mitotic Spindle Size Scaling in Early Zebrafish Embryos

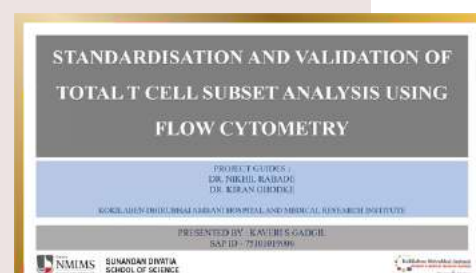


Name: Kaveri Sudhir Gadgil

Institute: Kokilaben Dhirubhai Ambani Hospital and Medical Research Institute

Supervisor: Dr. Kiran Ghodke & Dr. Nikhil Rabade

Project: Standardization and Validation of Total T Cell Subset Analysis Using Flow Cytometry

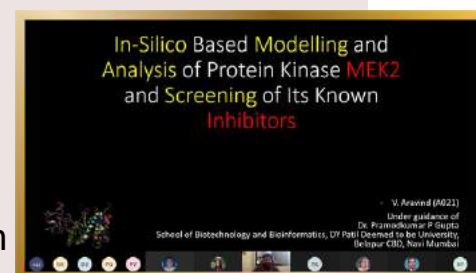


Name: Aravind V

Institute: DY Patil School of Bioinformatics and Biotechnology

Supervisor: Dr. Pramodkumar Gupta

Project: *In-Silico* Based Modelling and Analysis of Protein Kinase MEK2 and Screening of Its Known Inhibitors

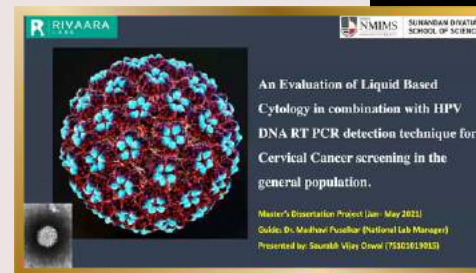


Name: Saurabh V Oswal

Institute: Rivaara Labs Pvt Ltd

Supervisor: Dr. Madhavi Pusalkar

Project: An Evaluation of Liquid Based Cytology in Combination with HPV DNA RT PCR Detection Technique for Cervical Cancer Screening in the General Population



Name: Ria Mainkar

Institute: Kokilaben Dhirubhai Ambani Hospital and Medical Research Institute

Supervisor: Dr. Sunita Polampalli

Project: Standardization and Validation of *PIK3CA* Somatic Mutations in Solid Malignancies by Sanger Sequencing

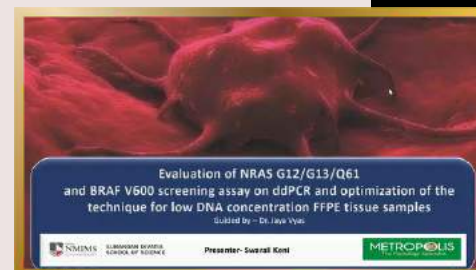


Name: Swarali Keni

Institute: Metropolis Healthcare LTD

Supervisor: Dr. Jaya Vyas & Mr. Milind Chanekar

Project: Evaluation Of NRAS G12/G13/Q61 And BRAF V600 Screening Assay on ddPCR and Optimization of the Technique for Low DNA Concentration FFPE Tissue Samples

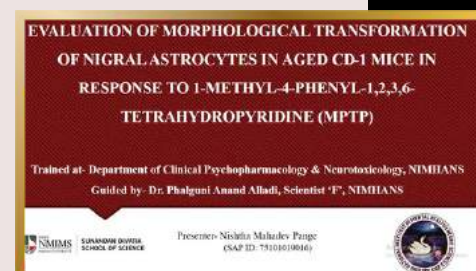


Name: Nishtha Pange

Institute: National Institute of Mental Health & Neurosciences (NIMHANS)

Supervisor: Dr. Phalguni Anand Alladi

Project: Evaluation of Morphological Transformation of Nigral Astrocytes in Aged CD-1 Mice in Response To 1-Methyl-4-Phenyl-1,2,3,6-Tetrahydropyridine (MPTP)

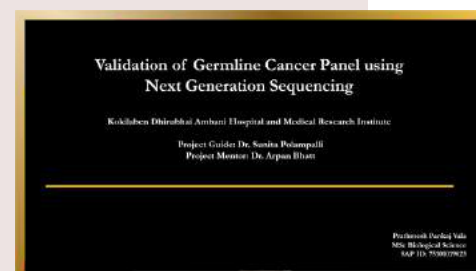


Name: Prathmesh Vala

Institute: Kokilaben Dhirubhai Ambani Hospital and Medical Research Institute

Supervisor: Dr. Sunita Polampalli

Project: Validation of Germline Cancer Panel using Next Generation Sequencing



Name: Namrata Britto

Institute: Bhaktivedanta Hospital and Research Institute

Supervisor: Dr. Vijaykumar Gawali

Project: Conduct of Oncology Phase 4 Clinical Trial at a Tertiary Care Centre in Covid-19 Era

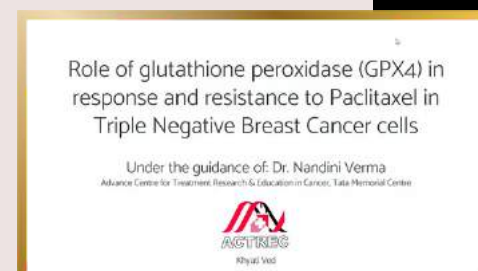


Name: Khyati Ved

Institute: Advanced Cancer Treatment, Research and Education (ACTREC)

Supervisor: Dr. Nandini Verma

Project: Role of glutathione peroxidase (GPX4) in response and resistance to Paclitaxel in Triple Negative Breast Cancer cells



Name: Sakshi Sinha

Institute: Mazumdar Shaw Medical Foundation, Bangalore

Supervisor: Dr. Manjula Das

Project: Epidemiological Analysis of Covid-19 Disease in Bangalore East Zone: A Population-Level Observational Study

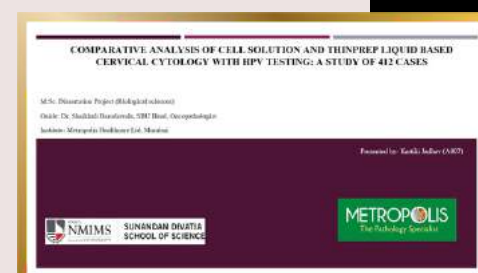


Name: Kartiki Jadhav

Institute: Metropolis Healthcare LTD

Supervisor: Dr. Shaikhali Barodawala

Project: Comparative Analysis of Cell Solution and Thinprep Liquid Based Cervical Cytology with HPV Testing: A Study Of 412 Cases

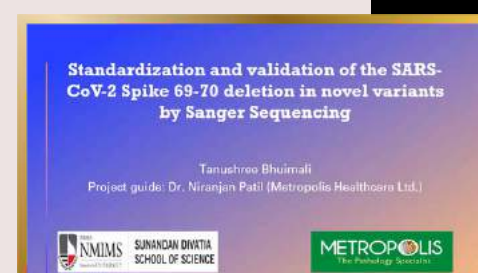


Name: Tanushree Bhuimali

Institute: Metropolis Healthcare LTD

Supervisor: Dr. Niranjana Patil

Project: Standardization and validation of the SARS CoV-2 Spike 69-70 deletion in novel variants by Sanger sequencing

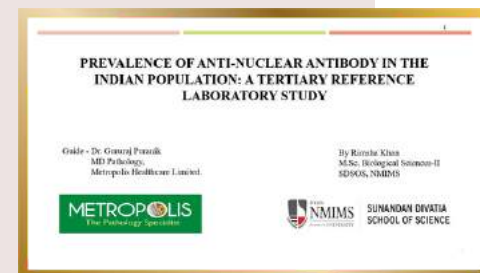


Name: Rimsha Khan

Institute: Metropolis Healthcare LTD

Supervisor: Dr. Gururaj Puranik & Ms Flavia Almeida

Project: Prevalence of Antinuclear Antibody in the Indian Population: A Tertiary Reference Laboratory Study



Name: Anjali Vaidya

Institute: PadCare Labs

Supervisor: Ms. Aasawari Kane

Project: Development and Optimization of Smokeless Green Technology for the Disposal and Recycling of Absorbent Hygiene Products



Name: Bhavya Mehta

Institute: ACG Associated Capsules Pvt Ltd

Supervisor: Dr. Jnanadeva Bhat & Ms Dorene Almeida

Project: Evaluation of Biopharmaceutical Profiles by Invitro Multimedia Dissolution of Hard Capsule Variants and its Impact on Quality and Performance

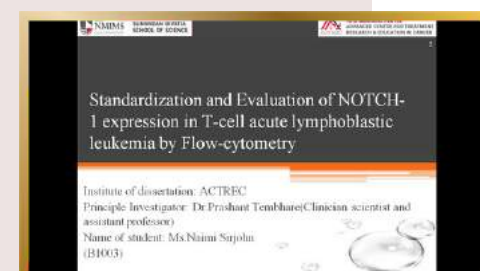


Name: Naimi Sirjohn

Institute: Advanced Cancer Treatment, Research and Education (ACTREC)

Supervisor: Dr. Prashant Thembare

Project: Standardization and Evaluation of NOTCH-1 expression in T-cell acute lymphoblastic leukemia by Flow-cytometry

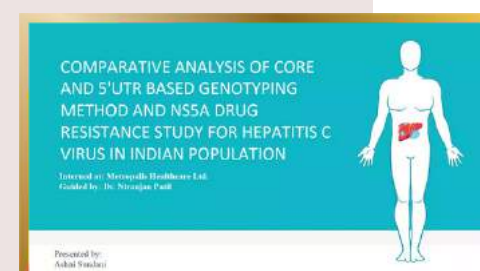


Name: Ashni Sundani

Institute: Metropolis Healthcare LTD

Supervisor: Dr. Nirnanjan Patil

Project: Comparative Analysis of Core and 5'UTR Based Genotyping Method and NS5A Drug Resistance Study for Hepatitis C Virus in Indian Population



Name: Shrutika Sawant

Institute: Metropolis Healthcare LTD

Supervisor: Dr. Jaya Vyas & Mr. Milind Chanekar

Project: Standardisation and Validation of SALSA MLPA probemix P060-B2 Kit to detect copy number variation in *SMN* gene for molecular diagnosis of SMA using MLPA technique

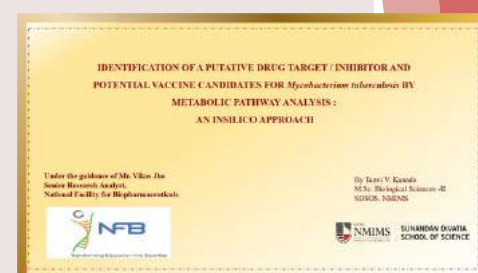


Name: Tanvi V. Kanade

Institute: National Facility for Biopharmaceuticals

Supervisor: Mr. Vikas Jha

Project: Identification of a Putative Drug Target/ Inhibitor and Potential Vaccine Candidates for *Mycobacterium tuberculosis* by Metabolic Pathway Analysis: An *In-Silico* Approach

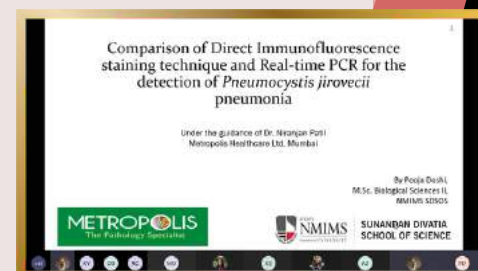


Name: Pooja Doshi

Institute: Metropolis Healthcare LTD

Supervisor: Dr. Niranjana Patil

Project: Comparison Of Direct Immunofluorescence Staining Technique and Real Time PCR for the Detection of *Pneumocystis jirovecii* Pneumonia



Name: Rachel Correia

Institute: Metropolis Healthcare LTD

Supervisor: Dr. Niranjana Patil

Project: Genotyping detection of mutations in XDR-TB cases for Betaquiline and Its cross resistance with Clofazimine



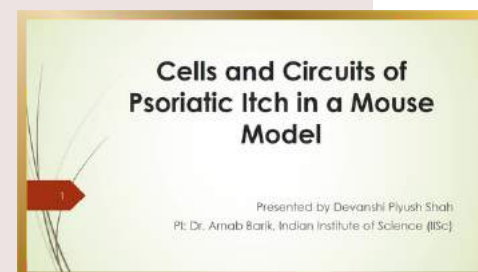
5-Year Integrated M.Sc. in Biomedical Science (December 2020–April 2021)

Name: Devanshi Piyush Shah

Institute: Indian Institute of Science (IISc)

Supervisor: Dr. Arnab Barik

Project: Cells and Circuits of Psoriatic Itch in a Mouse Model

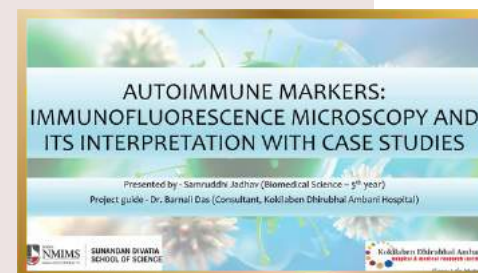


Name: Samruddhi Jadhav

Institute: Kokilaben Dhirubai Ambani Hospital and Medical Research Institute

Supervisor: Dr. Barnali Das

Project: Autoimmune markers: Immunofluorescence microscopy and its interpretation with case studies



Name: Upasna Basak

Institute: Advanced Cancer Treatment, Research and Education (ACTREC)

Supervisor: Dr. Rohan Khadilkar

Project: Understanding The Role of Ubiquitin Ligase, *Bendless* in Regulation Haematopoiesis and Immune Response in *Drosophila melanogaster*

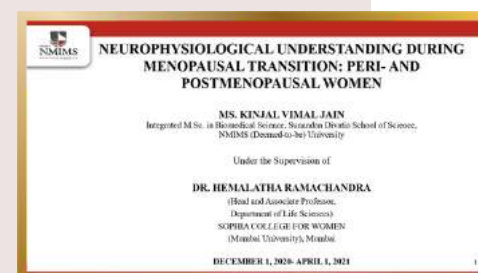


Name: Kinjal Jain

Institute: Sophia College For Women

Supervisor: Dr. Hemalatha Ramchandra

Project: Neurophysiological understanding during menopausal transition: peri-, and postmenopausal women



Name: Drishya Antony

Institute: Advanced Cancer Treatment, Research and Education (ACTREC)

Supervisor: Dr. Arvind Ingle

Project: Maximizing Modern Diagnostic Approaches to Crosscheck Genetic Contamination in Small Laboratory Animals

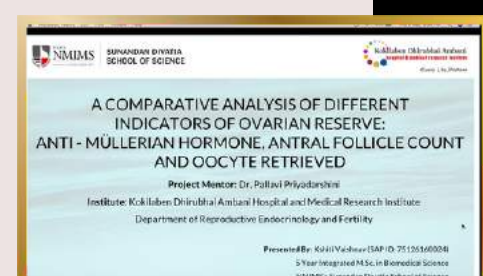


Name: Kshiti Vaishnav

Institute: Kokilaben Dhirubai Ambani Hospital and Medical Research Institute

Supervisor: Dr. Pallavi Priyadarshini

Project: A Comparative Analysis of Different Indicators of Ovarian Reserve: Anti-Müllerian Hormone, Antral Follicle Count and Oocytes Retrieved

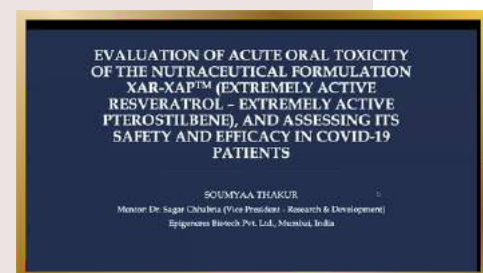


Name: Soumyaa Thakur

Institute: Epigeners Biotech Private Limited

Supervisor: Dr. Sagar Chabbria

Project: Evaluation Of Acute Oral Toxicity of the Nutraceutical Formulation XAR-XAP™ (Extremely Active Resveratrol – Extremely Active Pterostilbene), and Assessing its Safety and Efficacy in Covid-19 Patients

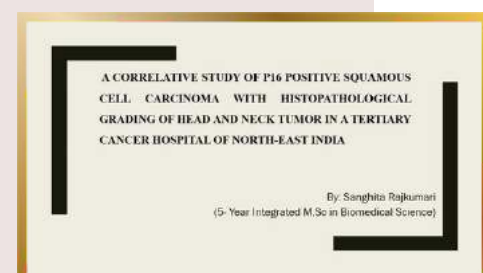


Name: Sanghita Rajkumari

Institute: North-East Cancer Hospital and Research Institute

Supervisor: Dr. Gazi Naseem Ahmed

Project: A Correlative Study of p16 Positive Squamous Cell Carcinoma with Histomorphological Grading of Head and Neck Tumor in a Tertiary Cancer Hospital of North-East India



Name: Prachi Storewala

Institute: Vedic Lifesciences

Supervisor: Dr. Sonal Raote

Project: A randomized, placebo-controlled, multi-blind study to assess the effect of *Terminalia arjuna* in Overweight and Obese Individuals



Name: Dwisha Jain

Institute: Vedic Lifesciences

Supervisor: Dr. Sonal Raote

Project: A randomized, double-blind, placebo-controlled, parallel group study to assess efficacy of *Commiphora mukul* and *Pluchea lanceolata* in individuals suffering from Weight-bearing Joint Pain

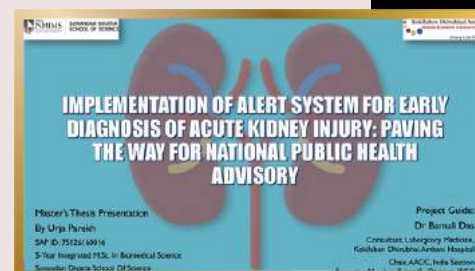


Name: Urja Parekh

Institute: Kokilaben Dhirubai Ambani Hospital and Medical Research Institute

Supervisor: Dr. Barnali Das

Project: Implementation of Alert System for Early Diagnosis of Acute Kidney Injury: Paving the Way for National Public Health Advisory

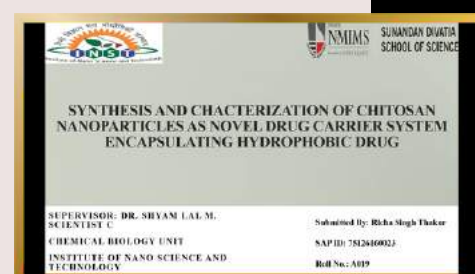


Name: Richa Thakur

Institute: Institute of Nanosciences and Nanotechnology (INST), Mohali

Supervisor: Dr. Shyam Lal

Project: Synthesis and characterization of chitosan nanoparticles as novel drug carrier system encapsulating hydrophobic drug



T.Y.B.Sc. PROJECTS

BIOMEDICAL SCIENCE



PROJECT GUIDE: DR. BRIJESH SUKUMARAN

STUDENT	PROJECT	PROJECT TYPE
Ateeb Ansari	Nosophobia and Cyberchondria in the Age of Covid-19 Pandemic	Survey
Lipika Bhat		
Anushka Alekar	The Big Five Personality Traits: Response and Preparedness to Covid-19 Induced Stress	
Athulya Krishnan	Effects of Neuroticism Trait on Covid-19 Online News Consumption and its Association with Covid-19 Anxiety	



PROJECT GUIDE: DR. PURVI BHATT

STUDENT	PROJECT	PROJECT TYPE
Mitali Kulkarni	Correlation Between Anxiety And Sleep Disorders In General Population Due To The Covid-19 Pandemic	Survey
Hrishti Bhatt	Online Learning – A Contributor To Stress And Anxiety In Students During The Covid-19 Pandemic	
Pushti Gandhi	Mucormycosis: How Is A Rare And Fatal Fungal Infection Linked To Coronavirus	Review
Poulami Dutta	Insight into possible drug targets of COVID-19: From genomics to therapeutics	

**PROJECT GUIDE: DR. EKTA KHATTAR**

STUDENT	PROJECT	PROJECT TYPE
Saachi Modi	Telomerase activation in cancer	Review
Sahil Nair		
Ikshika Mittal		
Hetsi Modi		

**PROJECT GUIDE: DR. HARINDER SINGH**

STUDENT	PROJECT	PROJECT TYPE
Ushma Pandia	In-silico characterization and modification of histidine acid phytases using computational tools	Bioinformatics
Nimisha Parashar		
Samiya Parkar		
Sudiksha Patil		

**PROJECT GUIDE: DR. SONAL MANOHAR**

STUDENT	PROJECT	PROJECT TYPE
Sayalee Samant	Functional analysis of EGFR signaling network using Gene Ontology	Bioinformatics
Saloni Ramani	Updation of EGFR network map and the implications of the EGFR Network in Cancer	
Janhavi Rastogi	Topological analysis and modularization of EGFR signaling network using Gephi	
Siddharth Shah	Comprehensive EGFR signaling network: A gateway to holistic view at the cellular level	

**PROJECT GUIDE: DR. SIMRAN ARORA**

STUDENT	PROJECT	PROJECT TYPE
Samriddhi Shekhar	Role of Ser83 Phosphorylation of CBX3 in Cancer	Review and Project proposal
Ishaa Wagh	Allele Specific Chemical Genetic approach to propose LSD1 phosphorylation by CDK2 as possible contributor to Cancer Pathways	
Muskan Srivastava	Increasing the efficiency of CRISPR-Cas9 by inhibition of NHEJ using deferoxamine	
Anika Vidyarthi	hsa_circ_0005075 a novel biomarker: The upregulation of CircRNA (hsa_circ_0005075) could regulate the activity of CDK2 by sponging with miRNA in hepatocellular carcinoma	
Anushree Toraskar	CRISPR/Cas9 mediated gene editing in isolated mice mesenchymal stem cells as a potential treatment for craniofacial defects in Apert syndrome	
Shloka Shetty	Restoration or Reactivation of C/EBPa function by modulating eIF4E levels using CZ415 to control and regulate p42/p30 protein isoform ratio ~ A potential treatment for Acute Myeloid Leukemia (AML)	

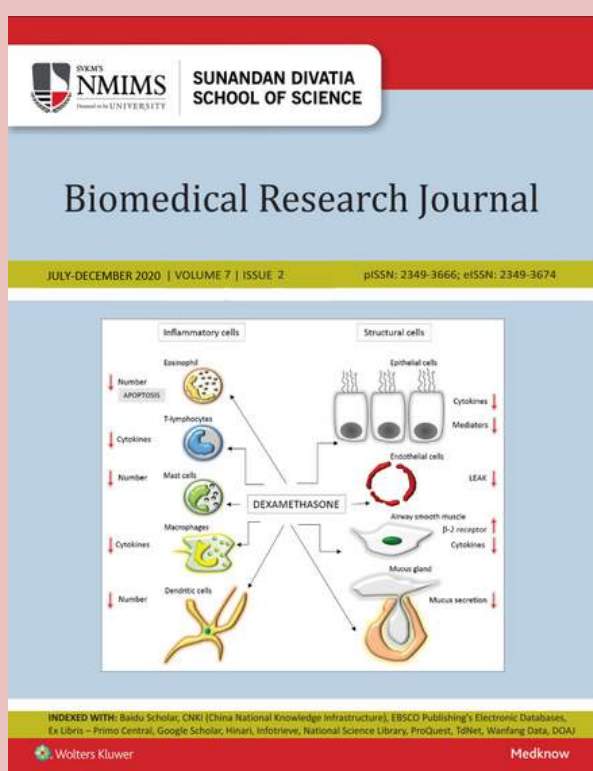
BIOMEDICAL RESEARCH JOURNAL

July 2020 to June 2021



"Biomedical Research Journal (BRJ)" is a premier peer reviewed open access journal, published by Sunandan Divatia School of Science, NMIMS (Deemed-to-be) University, Mumbai, for promoting interdisciplinary contemporary areas of Basic and Applied Biomedical Science. The goal is to share new discoveries and translational knowledge with scientists, academicians, clinicians and students in the field of Biomedical and Biological/Chemical/ Biotechnology/Stem Cell Biology/Cancer Biology in the realm of basic and applied aspects in the different areas. The journal is published biannually online as well as its print copies are available.

Volume 7 : Issue 2

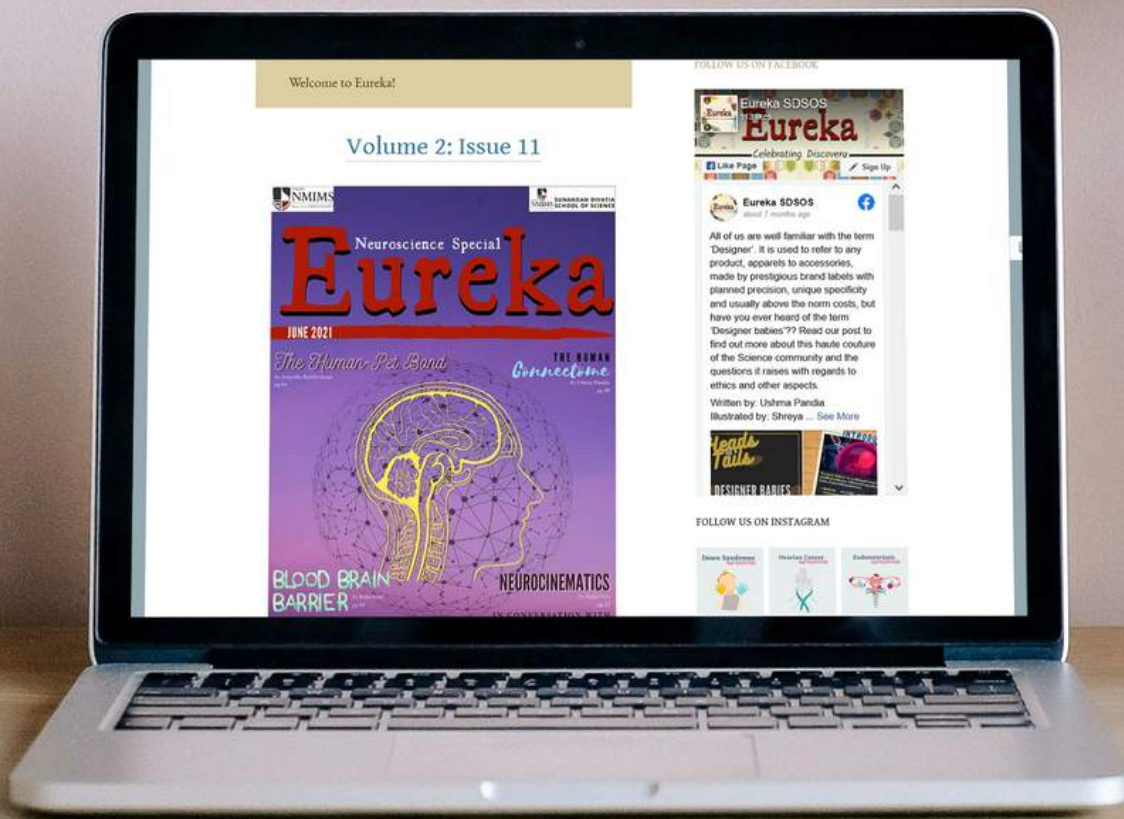


Volume 8 : Issue 1



EUREKA

July 2020 to June 2021



Eureka, a monthly science newsletter, is presented by the students from both the Department of Biological Sciences and Department of Chemistry.

It was introduced in October 2019.

Eureka not only brings the latest news from the scientific world but also serves as a platform for Science enthusiasts to share and discuss topics that they are passionate about. Apart from discussing current topics in Science, Eureka provides information on internships and career prospects in Biology and Chemistry. It provides readers with a unique opportunity to interact with students and faculty that share similar interests.



Volume 1 : Issue 10



- Soumyaa Thakur explores the field of STEM during her conversation with Dr. Sreelaja Nair
- Hetsi Modi commemorates the remarkable contributions of unrecognised women in STEM
- Saloni Hombalkar delves into who really is 'The True Heir'
- Jasmeet Kaur Sahni discusses ways to increase productivity while we're all working remotely

Volume 2 : Issue 1



- Honey Chandwani, the Editor, addresses the readers and introduces the new team
- Hetsi Modi highlights the role of timing in the making of a nerve cell
- Dr. Deepa Bhartiya gives us an insight into her work in Stem Cell Biology and Regenerative Medicine with Neha Sawant
- Ishana Rajgopal commends the team of scientists at MyLab for their contribution during the onset of the Covid-19 Pandemic

Volume 2 : Issue 2



- Honey Chandwani unravels the mysteries of Neuroplasticity
- Shloka Shetty explores the field of graduate medicine with Atousa Khiabany
- Ushma Pandia destigmatizes Gender Dysphoria in adolescents
- Tanisha Mehta provides an insight into 'Biology in Space'
- Angarika Balakrishnan delves into the neuroscience of anxiety
- Sayalee Samant busts the myths around PCOS

Volume 2 : Issue 3



- Sayalee Samant and Tanisha Mehta reveal the Nobel Prize winners of 2020
- Anagha Oke delves into Breast Cancer research with Dr. Nandini Verma
- Swarali Keni unravels the science behind 'living robots'
- Angarika Balakrishnan sheds light on Dyslexia
- Saijal Vats explores the psychological impact of cancer
- Nehal Tanna traverses the 'Science behind Arts'

Volume 2 : Issue 4



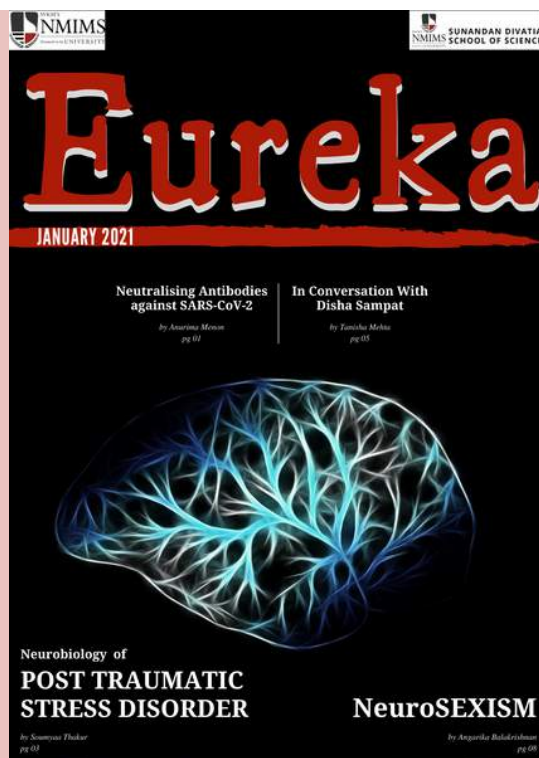
- Angarika Balakrishnan delves into the neuropsychology of 'impulsivity during menses'
- Tanisha Mehta explores the field of science journalism with Mr. Samanth Subramanian
- Ushma Pandia traverses through epilepsy and spirituality
- Ria Vaishampayan highlights the prospects of Synthetic Biology
- Anurima Menon provides an insight into neoantigen vaccines
- Soumyaa Thakur reveals the science behind certain superstitions

Volume 2 : Issue 5



- Kuhu Goel delves into the endocrinology of love
- Khyati Ved highlights the benefits of immunotherapy against cancer
- Angarika Balakrishnan expounds upon the four systems of medicine to treat Covid-19
- Ushma Pandia looks into the neuropsychology of loneliness

Volume 2 : Issue 6



- Anurima Menon presents a glimpse of the neutralising antibodies against SARS-CoV-2
- Soumyaa Thakur draws attention to the neurobiology of post-traumatic stress disorder (PTSD)
- Tanisha Mehta shines light upon dance and movement therapy with Disha Sampat, a mental health professional
- Angarika Balakrishnan introduces the concept of Neurosexism

Volume 2 : Issue 7



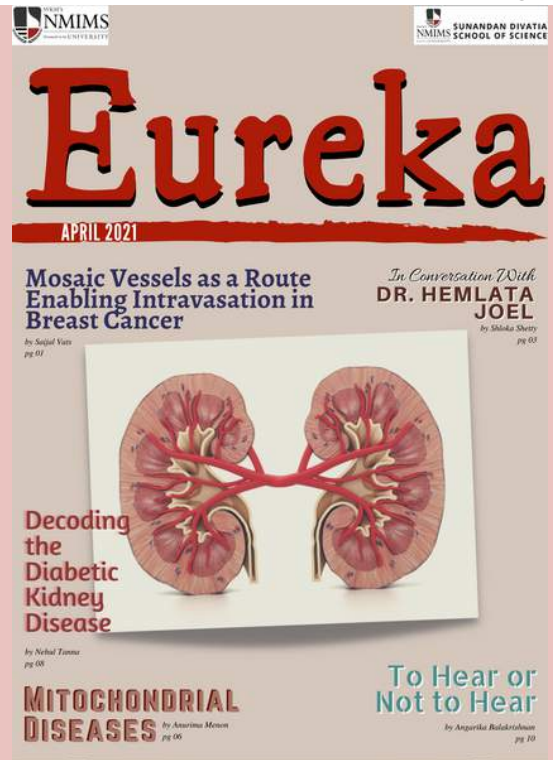
- Swarali Keni introduces the concept of NETosis
- Hetsi Modi answers how "Walking Molecules" help create neurons
- Ushma Pandia draws attention to an approach towards ending Ableism: Neurodiversity
- Angarika Balakrishnan shines light upon dreams and delusions
- Ria Vaishampayan elucidates the concept of epigenetics

Volume 2 : Issue 8



- Ria Vaishampayan pays an ode to Indian women in STEM
- Angarika Balakrishnan talks about 'the new addiction' to vaping
- Anagha Oke delves into Neuropsychiatric Diseases with Dr. Meera Purushottam
- Anurima Menon explores neuroparasitology
- Saijal Vats probes into Neuromarketing

Volume 2 : Issue 9



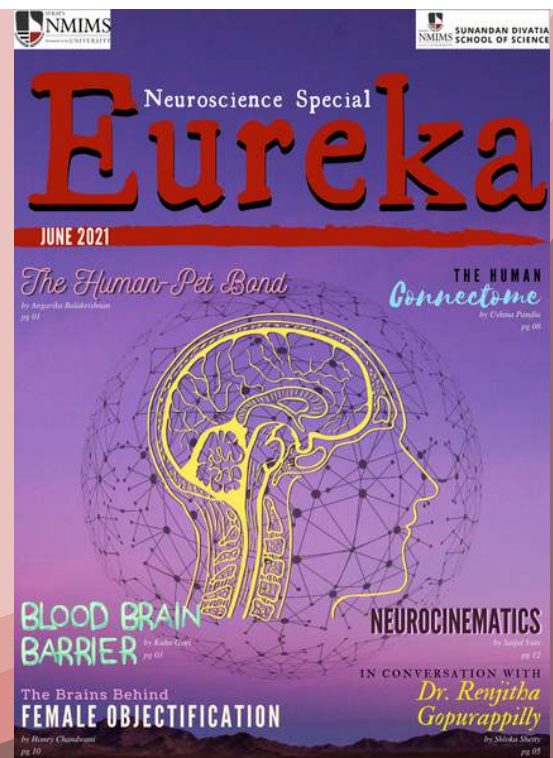
- Saijal Vats delves into the mechanism of mosaic vessel formation in breast cancer
- Shloka Shetty explores the prospects of Homeopathy as a system of medicine with Dr. Hemlata Joel
- Anurima Menon discusses the severity of Mitochondrial Diseases and their implications

Volume 2 : Issue 10



- Saijal Vats gives us an insight into menstrual stem cells
- Honey Chandwani delves into the applications of optogenetics beyond the laboratory
- Tanisha Mehta explores what pursuing research beyond a PhD entails with Dr. Paulomi Sanghavi
- Hetsi Modi unravels the mystery behind transposons and their role in evolution
- Angarika Balakrishnan discusses the neuroscience of spirituality

Volume 2 : Issue 11



- Angarika Balakrishnan discusses the intricacies of the intimate human-animal bond
- Kuhu Goel delves into the functions of the Blood-Brain Barrier
- Shloka Shetty explores research in neural stem cells with Dr. Renjitha Gopurappilly
- Ushma Pandia traverses the potential of the Human Connectome Project
- Honey Chandwani unravels the neuroscience behind the objectification of women
- Saijal Vats deliberates the scope of neurology in cinema

PLACEMENT GUEST TALKS



Dr. Khokan Debnath

HEAD OF REGULATORY AFFAIRS, CLINICAL OPERATIONS AND PHARMACOVIGILANCE (INDIA AND EMERGING MARKET) AT WOCKHARDT LTD.

- A glimpse of the Clinical Research industry, the required Regulatory affairs involved along with insights on pharmacovigilance.
- 1st August 2020



Ms. Sudha Raj

DIRECTOR OF CLINICAL OPERATIONS AND BUSINESS DEVELOPMENT AT CLINISYD RESEARCH GLOBAL SOLUTIONS PVT. LTD.

- The responsibilities/functioning of the clinical operations department along with business development and where each of them fit in the organization.
- 5th September 2020



Dr. Pallavi Karnik

ASSISTANT GENERAL MANAGER, INTAS PHARMACEUTICALS (BIOPHARMA DIVISION)

- A gist of Biotherapeutics in Pharmaceuticals and Biosimilars.
- 12th September 2020



Dr. Emilio Munoz

MEDICAL MONITOR, THERAVANCE BIOPHARMA US. INC.

- The functioning of the various departments of a pharma organization, opportunities for biomedical students overseas, along with insights on some of the projects he had undertaken.
- 10th October 2020



Dr. Anupama Harshal

CONSULTANT (SCIENCE COMMUNICATION AND PUBLIC ENGAGEMENT) MANAV - THE HUMAN ATLAS INITIATIVE, IISER, PUNE

- The art of scientific writing, the skills required and contemporary regulations. A brief introduction to The Human Atlas Initiative.
- 17th October 2020



Dr. Ankit Gupta

LEAD RESEARCHER IN TECHNOLOGIES FOR PRECISION MEDICINE GROUP AT SIEMENS HEALTHINEERS

- The significance of bioinformatics in the industry, along with a concise flow of how it has aided in the projects he has been a part of.
- 6th February 2021



Dr. Prashant Kharkar

PROF. OF MEDICINAL CHEMISTRY, INSTITUTE OF CHEMICAL TECHNOLOGY

- Machine learning tools in BioMedical Science.
- 27th February 2021



NEW AVENUES FOR JOB OPPORTUNITIES



The interdisciplinary nature of the courses offered, and the research as well as industry-oriented training provided, makes the students highly eligible for a number of job opportunities in a variety of fields.

Regular interaction with experts from various industries, and guest lectures arranged by dedicated placement cell give students an insight into the ongoing work in the respective fields as well as various fields and job profiles that they can apply to.

The constant guidance, support and cooperation of the faculty helps students enhance both technical as well as interpersonal skills, enabling them to work efficiently in professional settings.

The skill sets acquired during their time at the department provides them with opportunities in a multitude of fields, ranging from scientific writing to clinical research, and from the health services to manufacturing.

INTERNSHIPS 2021

M.Sc. & Integrated M.Sc.-Ph.D. Biological Sciences (First Year)

STUDENT	PROJECT TASK AND INSTITUTE	TENURE
Shubham Borse	Assistant for project on 'Chemopreventive actions of black tea polyphenols' at Mahimkar Lab, ACTREC	12th May to 2nd July 2021 (~2 months)
Saijal Vats	Content Creation and Market Research at Dhiti	June 2021 to present
Harshada Naik	Research Assistant for Scientific writing at Conceptive Farmacia (online)	19th April 2021 to present
Madhura Kamat	1) 'Science Communication by 3-D Animation Project' under Dr. Sameer S. (EMMRC, University of Pune) by Mentx Virtual Internship Programme	7th May 2021 to present
	2) 'Data mining and literature search on Glioblastoma tumour heterogeneity' at Proteomics Lab, BSBE, IIT Bombay under Mr.Saicharan Ghantasala (online)	3rd July 2021 to present
Amisha Malaviya	1) 'Science Communication by 3-D Animation Project' under Dr. Sameer S. (EMMRC, University of Pune) by Mentx Virtual Internship Programme	23rd May 2021 to present
	2) Research Assistant at Conceptive Farmacia Pvt. Ltd. (online) for the project 'Data curation for product development.'	1st March to 31st May 2021 (3 months)
Ria Vijay	Research Associate at Biolim Institute of Science and Technology (online)	5th June to 5th July 2021 (1 month)

STUDENT	PROJECT TASK AND INSTITUTE	TENURE
Vishakha Kurlawala	1) 'Glioblastoma heterogeneity and the role of stem cells and drug repurposing' at Proteomics Lab, BSBE, IIT Bombay under Mr. Saicharan Ghantasala (online) 2) Research Associate for ' SHED as stem cell therapy candidates for potential treatment of Alzheimer's Disease (AD).' project at Biolim Institute of Science and Technology. (online)	3rd July 2021 to present January-February 2021 (2 months)
Aishwarya Patel	Epidemiological studies of ongoing projects at Dept. of Gastroenterology, TNMC and BYL Nair Charitable Hospital	1st May to 30th June 2021 (2 months)
Shreya Kumar	'Malaria Project-Hepatocyte Phosphorylation Post Translational Modification' under Ms. Ayushi Verma at Proteomics Lab, BSBE, IIT Bombay (online)	3rd July 2021 to present
Anushree Govalkar	1) Research Associate for 'Stem Cells' project at Biolim Institute of Science and Technology (online) 2) 'Vaccine Technology Training' at Edufabrica	11th May to 11th June 2021 (1 month)
Angarika Balakrishnan	1) Research project 'Genotyping of variants responsible for thiopurine toxicity in IBD patients' at Dept. of Laboratory Medicine, P.D. Hinduja National Hospital and Medical Research Centre 2) Research Assistant at Conceptive Farmacia Pvt. Ltd. (online) for the project 'Data curation for product development.' 3) Sub-research mentor for Meta Review Writing at Research Bulb	11th May to 30th July 2021 (~3 months) 1st March to 31st May 2021 (3 months) January 2021-present

5-Year Integrated M.Sc. in Biomedical Science (Third Year)

STUDENT	PROJECT TASK AND INSTITUTE	TENURE
Shloka Shetty	Research Associate at Biolim Institute of Science and Technology (online)	1st June 2021 to present (1 month)
Sayalee Samant	<p>1) Part of Marketing Micro Internship Cohort at Upkey- learned fundamentals of social media marketing , content audit report and , optimization and creation of Facebook ads campaigns, designed a brand campaign video for storytelling project, learned to create marketing portfolio.</p> <p>2) Part of the Summer VIP at Upkey- learning fundamentals along the lines of communication, entrepreneurship, marketing and tech, attending career panels</p>	<p>31st May to 12th June 2021 (~1.5 week)</p> <p>5th July to 15th August 2021 (~1.5 month)</p>

5-Year Integrated M.Sc. in Biomedical Science (Fourth Year)

STUDENT	PROJECT TASK AND INSTITUTE	TENURE
Aradhya Walinjkar	<p>1) Research Associate at Biolim Institute of Science and Technology (online) for learning research aspects of the project 'Novel drug delivery system to target cancer cells'</p> <p>2) At International Model United Nations, was the Campus Ambassador, worked in the marketing department and for content development including blogs, etc.</p>	<p>May 2021 (1 month)</p> <p>June to July 2021 (~ 5 weeks)</p>
Arzoo Puri	<p>1) Tasks performed at Rawal Genomics Lab, Delhi:</p> <p>a) Covid-19 drug repository and repositioning & Deep data curation (BLAST for the sequences given)</p> <p>b) Hadoop Software for cancer</p> <p>c) Manual Networking for COVID-19</p> <p>2) Tasks performed at Hexorp (Cannazo India):</p> <p>a) Studied the Market and performed Analysis</p> <p>b) Working on formulations for products in R&D department</p> <p>c) Content Writing including Blogs, Product Pages, Basic Information and FAQs</p>	<p>16th May to 17th June 2021 (1 month)</p> <p>23th April to 6th July 2021 (2.5 months)</p>
Ria Vaishampayan	Research Associate at Biolim Institute of Science and Technology (online) for learning research aspects of project 'Use of induced pluripotent stem cells in tissue engineering'	June to July 2021 (1 month)

STUDENT	PROJECT TASK AND INSTITUTE	TENURE
Ishana Rajgopal	Research Associate at Biolim Institute of Science and Technology (online) for learning research aspects of the project 'RNAi approach to prevent chemoresistance in cancer patients.'	May 2021 (1 month)
Prachi Kulkarni	<p>1) Tasks performed at Rawal Genomics Lab, Delhi:</p> <p>a) Covid-19 drug repository and repositioning & Deep data curation</p> <p>b) MapReduce Software for cancer (BLAST for given sequences)</p> <p>c) Manual Networking for COVID-19</p> <p>2) Tasks performed at Hexorp (Cannazo India):</p> <p>a) Working on formulations for products in R&D department</p> <p>b) Content Writing including Blogs, Product Pages, Basic Information and FAQs</p> <p>c) Market Survey and Analysis</p>	<p>16th May to 17th June 2021 (1 month)</p> <p>23th April to 6th July 2021 (2.5 months)</p>
Rajvi Shah	Training in QA, QC, Micro Lab, PD (PRD – Pharmaceutical Research Development, AR & D – Analytical Research and Development) at Zentiva Pharmaceuticals	25th May to 10th July 2021 (~ 6 weeks)
Freyan Vakharia	<p>Tasks performed at Raptim Research Pvt. Ltd.</p> <p>a) Training in QC: Reviewing the study files which includes Screening files, Subject information, Case Report Form, EC approval document, Trial Master Files, etc. and observing clinical trials (dosing)</p> <p>b) Analytical department: Analysis of plasma samples obtained from BA/BE study subjects</p> <p>c) In-vitro studies: Training in IVPT and IVRT studies</p>	1st June to 30th June 2021 (1 month)

STUDENT	PROJECT TASK AND INSTITUTE	TENURE
Kuhu Goel	Training in QC and Molecular Diagnostics at Huwel Life Sciences Pvt. Ltd.	June to July 2021 (1 month)
Saloni Nachane	Tasks performed at Haystack Analytics : a) Catalogue check for different types of genes and mutations involved in TB drug resistance b) Data curation for antibiotic resistance genes, sequence alignments, primer designing c) Marketing d) SOP development	April to June 2021 (2 months)
Akshita Nagar	Tasks performed at AiRTH Research Pvt Ltd : a) Know-how of bacterial, fungal and viral infection during COVID-19 b) Efficacy testing of air purifier towards range of microbes and viruses c) Support team R&D in clinical trials of air purifier d) Develop reports and writing on microbial/viral testing of air purifier.	June to August 2021 (2.5 months)

"The distinction between an 'assistant' and an 'intern' is a simple one : assistants are paid, interns are not. But interns get paid, in experience."
— Joyce Carol Oates, Author

STUDENT ACHIEVEMENTS

M.Sc. & Integrated M.Sc.-Ph.D. Biological Sciences
(First Year)

Aryan Yadav

**Angarika
Balakrishnan**

Dhruvil Mehta

Aishwarya Patel

**1st prize in
'The Great
Escape' at
CRISPRalis 3.0
by K.J.
Somaiya
27.2.21**

**Angarika
Balakrishnan**

- Secured position of assistant research mentor at Research Bulb- January 2021
- Publication in British Neuroscience Association Bulletin (Spring Issue) titled 'Brain Dance'- May 2021



Got elected as Joint Secretary of NMIMS University
Student Council (2020-21)
July, 2020- December, 2020

Saijal Vats



**Anushree
Govalkar**

2nd Runner up- 'The Wall-Paper' Poster competition at
ROTOFEST'20 by RC of NM College- 2. 2. 2021

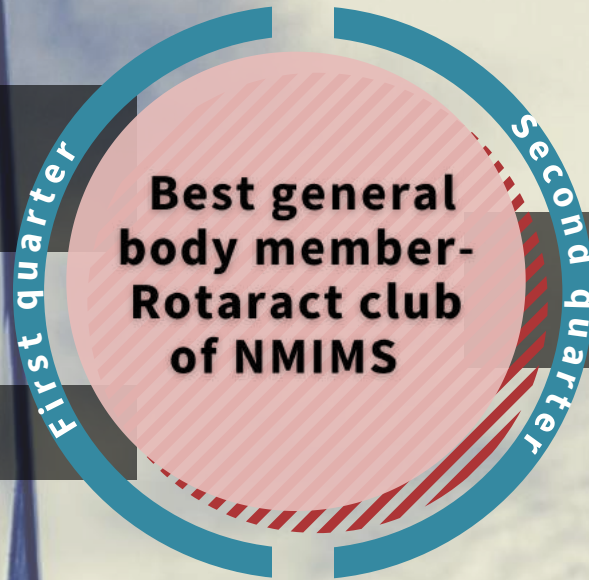


**Anushree
Govalkar**

**Best general
body member-
Rotaract club
of NMIMS**

**Vishakha
Kurlawala**

Saijal Vats



**Madhura
Kamat &
Vishakha
Kurlawala**

- Participation in following initiatives convened by Prof. Dr. Sanjeeva Srivastava, Head of Proteomics Lab, IIT Bombay:
 1. Writer, Editor and Designer for the Omics Bootcamp India Newsletter -February, 2021 to Present
 2. Member of the Judgement panel for the Biology and Bioengineering Summer Camp - May, 2021
 3. Made two tutorial videos and gave a lecture for the virtual Science Communication workshop- June, 2021



- 3rd Prize in Rhymelight (a poetry competition cum fundraiser)- 30th April 2021
- Awarded champion of the month at Rotaract Zonal Level- December 2020

**Sanchit
Sharma**

**Divya
Balakrishnan**

Winner - MIT COVID-19 CHALLENGE - India Turning the Tide (48h Virtual Hackathon) hosted by Massachusetts Institute of Technology, Cambridge, Massachusetts. Presented with cash award worth US \$ 500- Aug 28' 2020 - Aug 30' 2020



5-Year Integrated M.Sc. in Biomedical Science (Third Year)

Sayalee Samant

Third place

**Biology and
Bioengineering
Summer Camp
at IIT Bombay,
Department of
Proteomics
17th-19th July,
2021**

Lipika Bhat

Day2-
Precision medicine

Ushma Pandia

Fourth Place for PPT

Quiz winner for Day 3- Omics
Technologies, Big Data and ML

**Shloka Shetty &
Ushma Pandia**

Day 1- Bioengineering
for 21st Century

Lipika Bhat

Won the 2nd prize in the Presentation Competition held during the virtual Science Communication workshop organized by Prof. Sanjeeva Srivastava, Proteomics Department, IIT Bombay- June, 2021

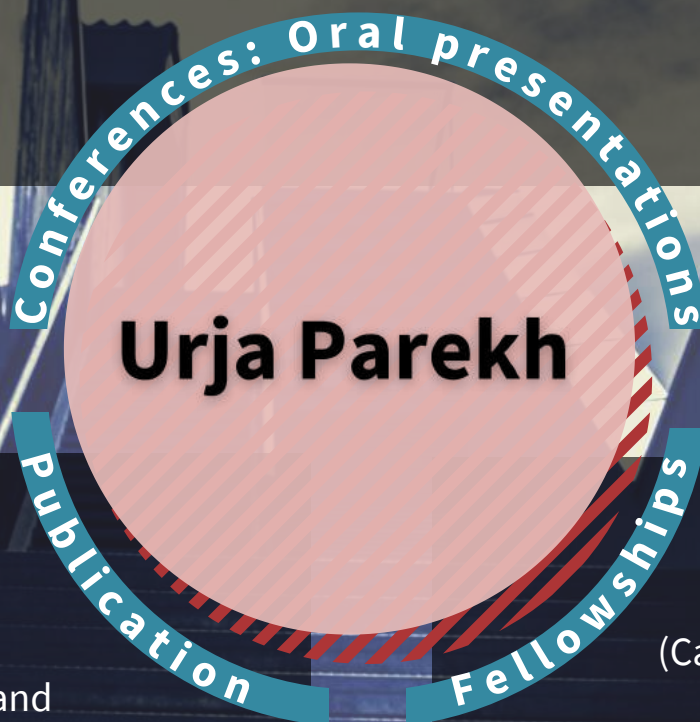
5-Year Integrated M.Sc. in Biomedical Science (Fourth Year)

Selected as a Mentor at International Youth Neuroscience Association (IYNA) for guiding high school students in the field of Neuroscience to help them fulfill their educational and career goals-
July 2020- present

**Ishana
Rajgopal**

5-Year Integrated M.Sc. in Biomedical Science (Fifth Year)

1. International Student Congress of (bio)Medical Sciences, University Medical Centre Groningen, Netherlands (June 2021)-Best Presentation Award
2. Student Research Congress (organized by SVKM's Dr. Bhanuben Nanavati College of Pharmacy). Won first place for oral presentation competition PG/PhD category (September, 2020).



Parekh, U.A., Mazumder, M., Kaur, H., Brodsky, E., (2021). In Silico Analysis and Characterization of Differentially Expressed Genes to Distinguish Glioma Stem Cells from Normal Neural Stem Cells.

bioRxiv 2021.04.05.438487.
<https://doi.org/10.1101/2021.04.05.438487>

1. Mitacs Globalink Research Internship (Canada - University of Montreal) 2020

2. IASc-INSa-NASi Summer Research Fellowship 2020

Ph.D. in Biological Sciences

**Yashika
Mirchandani**
₹50,000

**Scholarships
received from
Women
Graduate
Union,
Colaba,
2021**

Shriya Sawant
₹35,000

Amruta Parmar
₹35,000

Vrundali Shinde
₹35,000



AIR 64 in subject of Life Sciences for UGC-CSIR NET (JRF) exam held in November 2020. JRF and Assistant Professorship assigned in February 2021

**Sneha
Pathak**

*"Success is not final, failure is not fatal; it is the
courage to continue that counts."*

— Winston Churchill


TALENT




"When you can't find the sunshine, be the sunshine."

ANUSHREE GOVALKAR

M. Sc. Biological Sciences

 [@anushreegovalkar](https://www.instagram.com/anushreegovalkar)

 [Anushree Govalkar](https://www.linkedin.com/in/AnushreeGovalkar)



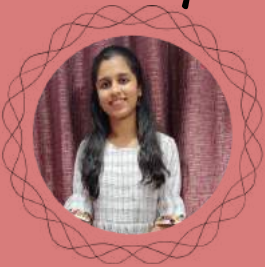
"Be yourself, but always your better self!"

SHREYA JOSHI

M. Sc. Biological Sciences

 [@_itsmeshrejo_](https://www.instagram.com/_itsmeshrejo_)

 [Shreya Joshi](https://www.linkedin.com/in/ShreyaJoshi)



"Always be a first-rate version of yourself and not a second rate version of someone else."

- Judy Garland.

SHREYA SUNIL KUMAR

M. Sc. Biological Sciences

 [Shreya Sunil Kumar](https://www.linkedin.com/in/ShreyaSunilKumar)



**FREYAN VAKHARIA**

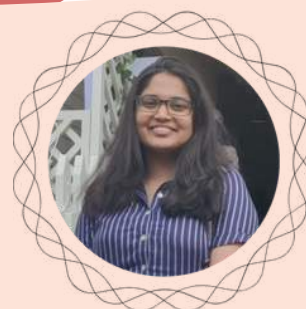
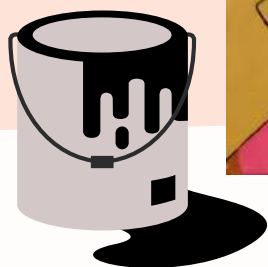
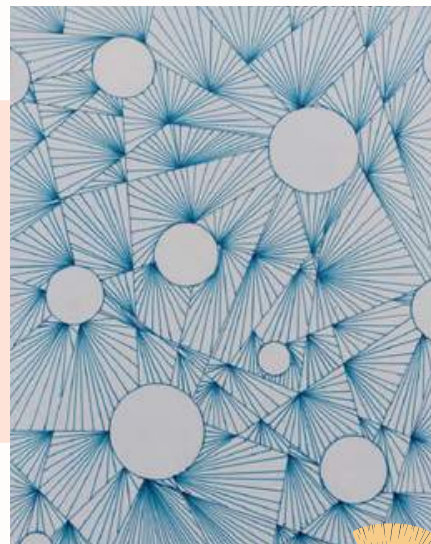
5-Year Integrated M.Sc. in Biomedical Science



@frey_2219



[Freyan Vakharia](#)

**AMISHA MALAVIYA**

M. Sc. Biological Sciences



@amishaa_m



[Amisha Malaviya](#)

ARADHYA M WALINJKAR

5-Year Integrated M.Sc. in Biomedical Science



@itsaddyhere



[Aradhy Walinjkar](#)





RAJVI SHAH

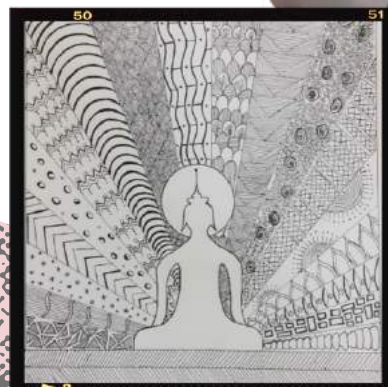
5-Year Integrated M.Sc. in Biomedical Science



@rajvi_1201



Rajvi Shah



ART & TATTOOS

PRACHI KULKARNI

5-Year Integrated M.Sc. in Biomedical Science



Prachi Kulkarni



"Only those who dare, truly live!"



PALAK GURALWAR

5 year integrated MSc in Biomedical Sciences



@palak_guralwar



French Fries Pizza



Spring rolls With a Twist



Barbecue with Onion Salad



Bottle Gourd Fritters



FREYAN VAKHARIA

5-Year Integrated M.Sc. in Biomedical Science

[@frey_2219](#) [in Freyan Vakharia](#)



ARZOO PURI

5-Year Integrated M.Sc. in Biomedical Science

[@foodlust_escape](#)

[in Arzoo Puri](#)



cooking

& food photography



Noodles Manchurian

Prachi Kulkarni



Prachi Kulkarni



PRACHI KULKARNI

5-Year Integrated M.Sc. in Biomedical Science

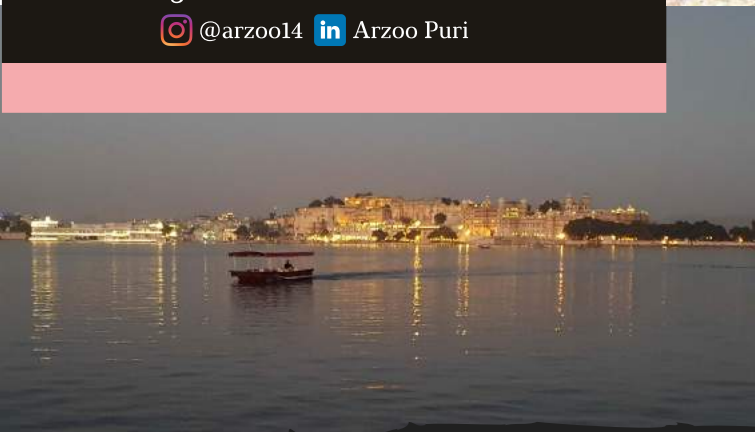
[in Prachi Kulkarni](#)



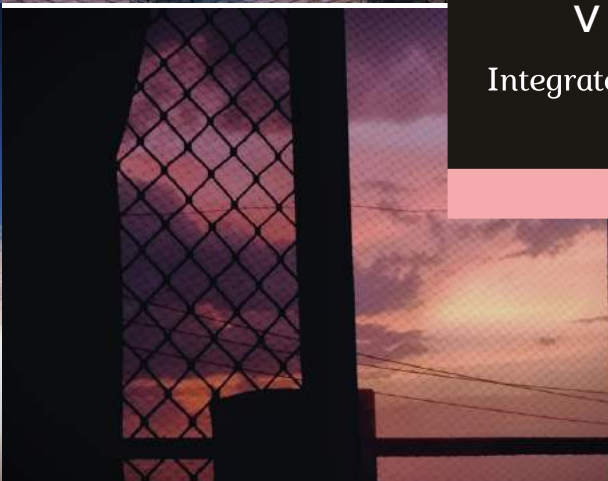
ARZOO PURI

5-Year Integrated M.Sc. in Biomedical Science

 @arzoo14  Arzoo Puri



TRAVEL + PHOTOGRAPHY



VIBHUTI SAXENA

Integrated M.Sc. in Biomedical Sciences

 @quotes_by_vibhuti





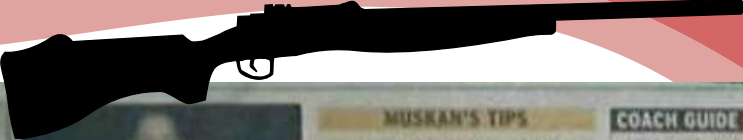
Strength doesn't come from what you can do, it comes by overcoming the things you once thought you couldn't!

NIMISHA PARASHAR

T.Y.B.Sc. In Biomedical Sciences (2020-21)

@nimi_sippy06 [Nimisha Parashar](#)

NATIONAL LEVEL 10M AIR RIFLE SHOOTING



Mushkan Shrivastava
School: DAY International School, Mumbai
Age: 16
Class: IX

ACHIEVEMENTS:

- Gold medalist in DAY Zonal Tournament
- Gold medalist in DAY National Girls Tournament in Amritsar
- Win 4 gold medal in district shooting tournament in Karnataka
- Has won a bronze in interschool Zonal Shooting Tournament

MUSKAN'S TIPS

One should be able to comfortably hold the rifle steady at 90 degrees to the body without having to rest it on anything. Control your breath, aim and pull the trigger. Increase your concentration.

COACH GUIDE SAMESH MALI

1. Pick a rifle that you find is fit for you, in terms of length and weight.
2. Hold the rifle across your body so that you are standing side-on to the target.
3. Focus on breathing. Breathing control is important.

History

The National Rifle Association (NRA) was founded in 1871 to promote rifle shooting in the United States. The NRA has since become the largest gun rights organization in the world.

DIFFERENT DISCIPLINES

In the six rifle ISSF shooting events (including three Olympic events) and six long time target shooting from distances of 10 or 50 or 300 metres.

In the two running target ISSF shooting events (which rapid shooting at a target that moves sideways from distances of 30 and 50 metres).

Bench rest is concerned with shooting small groups with the rifleman sitting on a chair and the rifle supported from a table. Of all shooting disciplines, this is the most demanding equipment-wise.

"Disciple of Discipline"

MUSKAN SHRIVASTAVA

T.Y.B.Sc. In Biomedical Sciences (2020-21)

<https://youtu.be/L9c1pAJcm2I>

[Muskan Shrivastava](#)

"The biggest competition is myself. I am not looking to follow others or pull them down. I'm planning to test my own boundaries."

ANIKA VIDYARTHI

5-Year Integrated M.Sc. in Biomedical Science

 [@anika.vid](#)  [Anika Vidyarthi](#)



MUSIC & DANCE

'Dance to express and not to impress'

ANGARIKA BALAKRISHNAN

2nd Year, M.Sc. Biological Sciences

 [@angarikaaa](#)

 [Angarika Balakrishnan](#)




'Embrace your awesomeness.'

AKSHITA NAGAR

5-Year Integrated M.Sc. in Biomedical Science

 [@_akshitanagar_](#)

 [Akshita Nagar](#)



It is a long way run
With no definite miles
With full of Hardships, Joy and Success
with many beautiful destinations
And I called it as LIFE!

— Vibhuti

Your happiness
is hidden within yourself.
Just remove your worries!

— Vibhuti

Peace of mind is the key of your life!
A healthy & positive mind can dream to
any extent of positivity!
So be calm and stay positive!

— Vibhuti

You are your only Competition,
Always compete with
your inner self!

— Vibhuti

Wait only till

Your GOAL is ACHIEVE....

— Vibhuti

Writing + Poetry



VIBHUTI SAXENA

5-Year Integrated M.Sc. in Biomedical Science

@quotes_by_vibhuti

मी आणि माझी Nichrome loop

मी आणि माझी Nichrome loop,
जिवलग होतो दोघे.
तिच्याहून माझे चालायचेच नाही,
न भागायचे माझ्याहून तिचे.

प्रयोगशाळेतील पकडायचो एक कोपरा,
अन सजवायचो मैफल, दोन Burners संवे.
एक एकांती असायचा Tripod,
Overdispense झाले की वाटायचे,
Micropipette हवे.

Streak करतानाही, स्वतःहून
तिच्यावरच भरोसा.
Isolation गेले वाया, Agarही फाटला,
सारा तिच्यावरच त्रागा.

कोण होती ती?
आणि मी असे कोण?
जन्मोजन्मीचे ऋणानुबंध
असल्यासारखे,
जुळले जीव दोन.

मी आणि माझी Nichrome loop,
जिवलग होतो दोघे.
शेवटी एका Incineration समयी,
प्लेटमधल्या Agarसंवे, आमचेही
फाटलेचं.

मी म्हटले “मला चीड येतेय!”
ती म्हणाली “मला वाटलेच!”
Plateवरच्या lidवर,
Moistureही दाटलेचं

बॅगेत माझ्या, तिची वाकली मान,
पण वाकला नाही कणा.
आज अचानक माझ्यासंवे,
भांडत होती तना तना.

खरेच होते तिचे,
नव्हते खोटे मुळी.
आत असे काही,
दडले होते उरी.

आमच्या Loopची गोष्ट न्यारी,
तुमची असेल निराळी.
प्रत्येक Microbiologistची,
हिच असे कहाणी.

मी आणि माझी Nichrome loop,
जिवलग आहोत दोघे.
रोज नवी कथा,
रोज नवे सोहळे.

OMKAR DHURAT

II year, M.Sc. Biological Science

@kalavatavns Omkar Dhurat

SCI-CHRONICLES | VOL 1

Tere Utne Pehlun Hain

TALENT

Tere kitne pehlu hain..
Jo chamakti hui dhoop ki kirnon se
paani ki lehren ko zarzara kar de,
Tere utne pehlun hain..
Vo baarish ki boodon ki kashish,
jo tere aanchal mein chupe moti kehkhaha karde,
Tere utne pehlun hain..
Vo ghar ki mushkilahat mein bhi,
Tera phoolon si muskan bikher kar sabko honsala dena, Tere utne pehlun hai..
Vo tera chupke chupke se paion ko iss kadar jodna,
Jaise baahar ki bochar mein sookhe tinko ko sametna, Tere utne pehlun hai..
Tere aangan mein kadam rakhne se vo gajre ki mehak ka aana,
Tere rasoyi mein kachi ghani se lage chaunk ka bikhar jana, Tere utne pehlu hain..
Kamal ke pankhuriyon ki tarah, Apne laakhon pehluyon ko issi tarah samete rakhna,
Yeh rab ka shukrana hai ki Teri phoolon si muskan mein anginat pehlun hain..

Dear Maa

Dear Maa,

Today, I know so much and sit with pride
next to you,
But the fact is, whatever little I know, is
because of you..
You always have my back, no matter how
crazy I get,
I am wrong so many times and you know
that, I bet,
You still are calm and serene like a river that
flows,
Your struggles and journey, nobody knows..
Deep down inside, I hear your silence,
I wonder how on earth can you not have
violence,
If anyone was you, they would erupt with
rage and burn everything around,

But, you still gracefully hold your battle
ground..

I have never seen anyone with so much
compassion and love,
In our family jungle, you are my bird Dove,
You have the power to turn a rock into a living
& loving being,
Fire, Wind and water are the witness to this,
They have seen..
I wish I could be just 1 percent of what you are,
You are the Sun, and I wish I could just be a
tiny star..
You carry yourself with dignity and poise,
Your aura is capable of being your voice..
The understanding you hold, a normal human
cannot,
I am sure you are a super angel, sent to us by
god..

Phoolon si Khushi

Tere aangan mein kadam rakhne se vo gajre ki mehak ka aana,
Tere rasoyi mein kachi ghani se lage chaunk ka bikhar jana,
Vo ghar ki mushkilon mein sabko udaan bharne ka honsla dena,
Dil lubha jata hai pareshani mein bhi phoolon si muskaan bikherna..

ARZOO PURI

5-Year Integrated M.Sc. in Biomedical Science

@arzo014 in Arzoo Puri

SCI-CHRONICLES | VOL 1

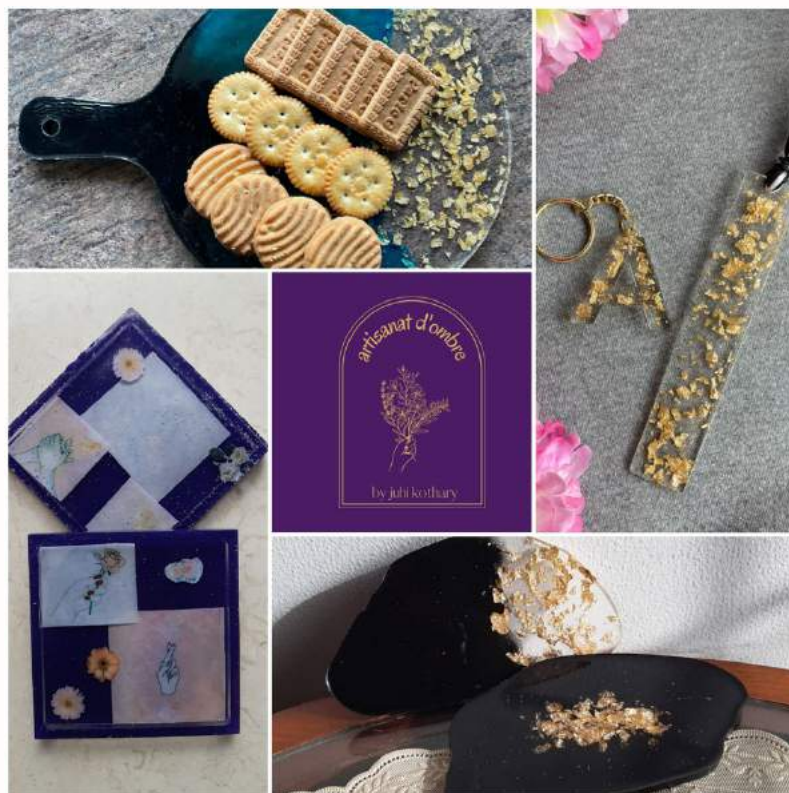
'Creativity is allowing yourself to make mistakes. Art is knowing which ones to keep.'



ARTISANAT D'OMBRE BY JUHI KOTHARY

5-Year Integrated M.Sc. in Biomedical Science

 @artisanat_d.ombre



SMALL BUSINESS OWNERS

Don't be afraid to go for positions, jobs or take on clients just outside of your knowledge base. It's when you're uncomfortable that you learn and grow the most.

- Barbara Corcoran, Businesswoman



CLOTHING (BRAND) BY CHAHAT PATEL

5-Year Integrated M.Sc. in Biomedical Science

 @pardesibychahat  Chahat Patel



CREATING CUSTOM CRAFTS BY MITESH JOSHI

Ph.D Biological Science

@im_mitesh



ALUMINI SPEAK

Prathamesh Vala

Editorial Assistant, JOVE

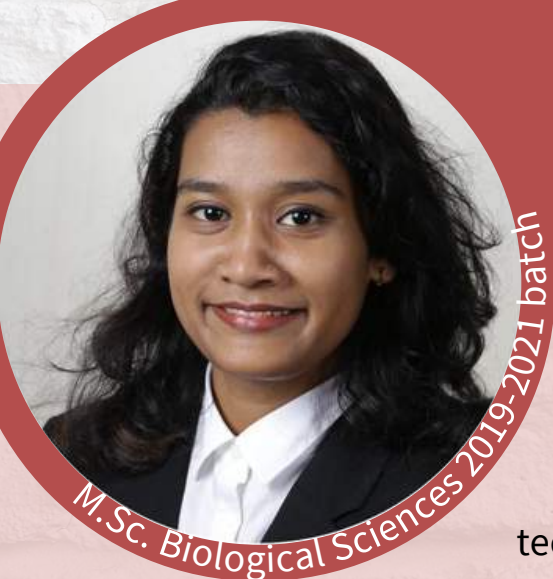
Pursuing my masters from SDSOS was a boon for me. The course structure and the teaching modules offered, theoretical as well as practical, delivered by experienced faculties has provided me with immense subject knowledge. SDSOS not only focuses on the curricular aspects but also co-curricular activities like employability workshops and placement sessions which moulds a student who is industry-ready.



Kartiki Jadhav

Junior Technical Executive, Amvigor Organics

As a student in the M.Sc. Biological sciences program, I gained the skills and confidence to thoughtfully use a variety of technical approaches in my recent internship. The faculty was very supportive and readily available with their help, I learned how to apply those theories and techniques in various settings. I would highly recommend this program to anyone wanting to expand their theoretical as well as technical knowledge in Science and Technology. This program at SDSOS is fantastic and has changed my career trajectory for the better!!



Pooja Rohit Doshi

Scientific officer, Metropolis

My experience at NMIMS SDSOS as a M.Sc. Biological Sciences student was absolutely constructive and worthwhile. The coursework was diverse and designed in a way to prepare us for our succeeding ventures. This, along with the practical sessions, and other co-curricular activities contributed a lot to my development. In spite of the pandemic and lockdown, they managed to carry on with the coursework, exams and other activities online, along with our dissertation project. Lastly, the two years at SDSOS have been really meaningful and a great learning experience for me.



Ashni Sundani

Scientific officer, Metropolis

The Master's in Biological Sciences, SDSOS NMIMS, programme provided me with a plethora of study opportunities that combine theory and application. The research-oriented program increased my knowledge in designing experiments, writing scientific reports and present scientific research paper. Thanks to co-curricular activities, soft skills training, and practical workshops that were conducted in these two years that helped me gain skills for life that made me ready after college. I am grateful to the faculty members for going above and beyond to help me reach my full potential.

Despite the lockdown situation we were given the opportunity to conduct our research at a well known institute. I will always cherish the memories that I made in these two years.

Lastly, I would like to thank the school, faculty members and dean sir for an amazing learning experience that helped me become a better version of myself.



Aravind Venkatasubramanian

My time at SDSOS was an exuberant period of learning and reflection. The teachers, both internal and external, often went out of the way to expose us to the different facets of the field in order to enrich our knowledge. The freedom to explore and think out of the box is impeccable. SOS is a great place to be in if one wants to develop their scientific rigour and achieve mastery in key concepts of Biology.



Anjali Vaidya

The overall coursework is aligned with the industry requirements. The internship exposure is really helpful for the students. Hands-on experience was given in the practicals and that helped us in our internships. The guest faculties were of top quality. I am thankful to all faculty members and non teaching staff for their constant support and guidance



Rachel Correia

Scientific officer, Metropolis

Post my bachelors, I was looking for something that gave me a holistic and industry worthy post graduation degree, and I definitely agree NMIMS-SDSOS was the perfect fit. Its exhaustive syllabi of theory and practicals was certainly top-notch. The internal faculty never failed to support their students in any way, be it academically or emotionally. However this is not it, SOS also gave me an opportunity to showcase my artistic and sporty side. It was really amazing to be in an environment where you are not the only one enjoying, in fact your guides, your teachers enjoy with you and encourage you at every step.





Nishtha Mahadev Pange

The wide assortment of subjects covered in the M.Sc. Biological Sciences coursework was what stimulated me to choose to come to SDSOS and they definitely did justice to it. The extracurricular activities are fun to be part of and the various talks that the faculty organised helped us gain more knowledge with respect to industrial as well as academic careers. Even during the lockdown they managed to pull off the entire semester's coursework over online mode in a hassle free manner. Lastly, SDSOS has given me memories worth remembering.

Saurabh Vijay Oswal

The last two years spent at SDSOS have been quite an enriching experience, thanks to the great learning environment, which is complemented by strong faculty with subject matter expertise. The term-end thesis project provided the opportunity to work in a team and develop new traits that will prove to be more than valuable to advance in my research career. Throughout the tenure of the program, I have only experienced a growing interest in the subject.



Samruddhi Jadhav

My five years at SDSOS, NMIMS has been full of learning opportunities with personal and academic development. Being an introvert, my growth would not have been possible without such encouraging and supportive professors who are masters in their fields. The curriculum was well designed with access to extracurricular and co-curricular activities. The Master's Dissertation project gave me hands-on experience in a professional working environment.

Soumyaa Thakur

Senior Associate Scientist, Epigeneres Pvt Ltd

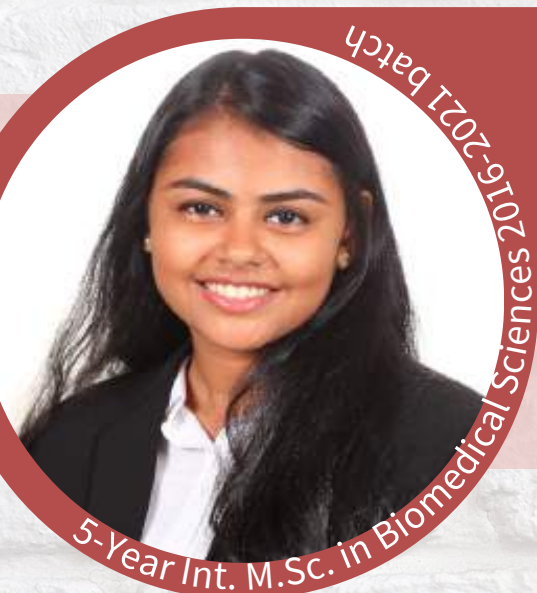
My five years at SDSOS were nothing short of excellent. I received the required support and guidance from the faculty and all my colleagues, and was also encouraged to take up responsibilities and be confident. SDSOS balanced fun and work with extra ordinary extracurricular activities and fun learning.



Devanshi Shah

Research assistant, Indian Institute of Science Bangalore

My five years at SDSOS have been incredible. I learnt a lot about myself and my passions in life through the guidance offered at the school. It has been five years of growing as a person.



Urja Parekh

My five years at SDSOS have been nothing short of incredible. Not only was I given the necessary guidance to develop and pursue scientific interests via my course curriculum but was also heavily trained in technical skills to pursue research. Additionally, I have enjoyed my college life, taking part in several extracurriculars and serving as the President of the Student Council and Placement Cell. My overall experience in the college was well-rounded and holistic.

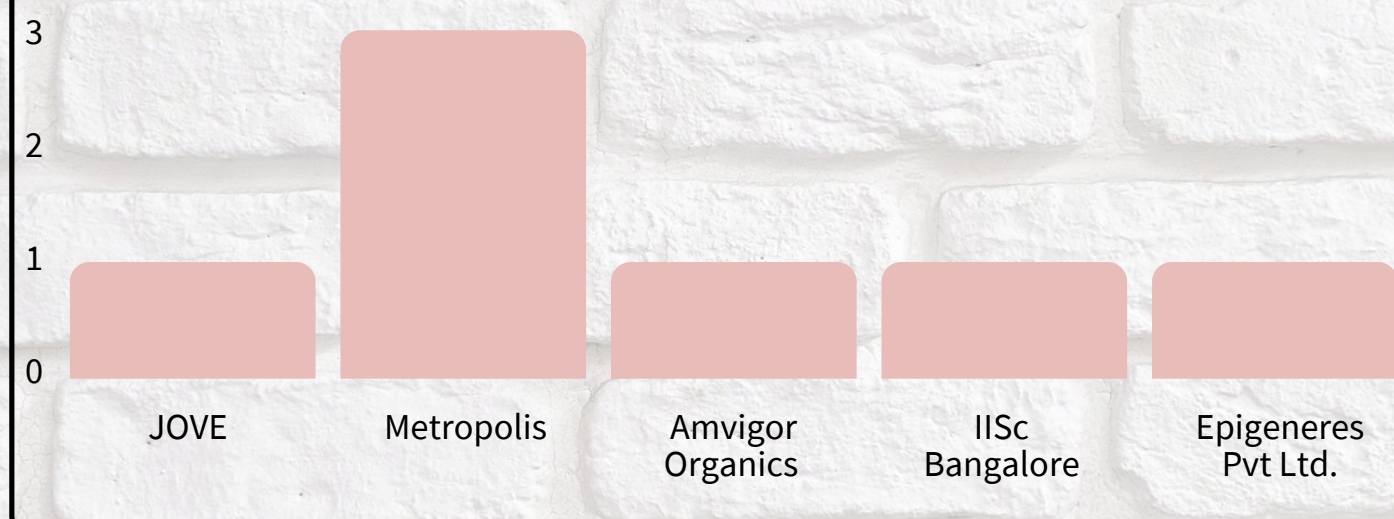




Kshiti Vaishnav

SDSOS provided me with a holistic experience throughout these five years. A huge credit goes to all the faculty members for their constant guidance and motivation to achieve my career goals. The course curriculum has equipped me with the theoretical and practical training necessary to pursue research. The extracurricular activities and various student council committees to participate made it easy to manage stress.

FINAL PLACEMENTS 2021



"I think the success of any school can be measured by the contribution the alumni make to our national life."
— John F. Kennedy



Aishwarya Patel

1st Year
M.Sc. in Biological Sciences
(Writing/Editing)



Akshay Paradkar

1st Year
M.Sc. in Biological Sciences
(Writing)



Akshita Nagar

4th Year
Integrated M.Sc. in
Biomedical Sciences
(Creatives/Data Collection)



Amisha Malaviya

1st Year
M.Sc. in Biological Sciences
(Creatives/Editing)



Arzoo Puri

4th Year
Integrated M.Sc. in
Biomedical Sciences
(Data Collection/PR)



Angarika Balakrishnan

1st Year
M.Sc. in Biological Sciences
(Editing)



Ishana Rajgopal

4th Year
Integrated M.Sc. in
Biomedical Sciences
(Creatives/Data Collection)



Juhi Kothary

1st Year
Integrated M.Sc. in
Biomedical Sciences
(Creatives/Editing)

MEET OUR TEAM



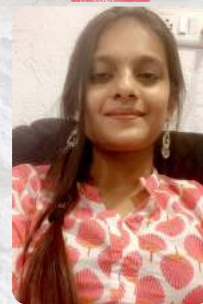
Madhura Kamat

1st Year
Integrated M.Sc.-Ph.D. in
Biological Sciences
(Creatives/Editing)



Omkar Dhurat

1st Year
M.Sc. in Biological Sciences
(Writing/Editing)



Rajvi Shah

4th Year
Integrated M.Sc. in
Biomedical Sciences
(Data Collection/PR)



Ria Vaishampayan

4th Year
Integrated M.Sc. in
Biomedical Sciences
(Data Collection/Editing)



Ria Vijay

1st Year
M.Sc. in Biological Sciences
(Data Collection)



Rushikesh Barad

2nd Year
Integrated M.Sc. in
Biomedical Sciences
(Editing/PR)



Sanchit Sharma

1st Year
M.Sc. in Biological Sciences
(Creatives/Writing/PR)



Vishakha Kurlawala

1st Year
M.Sc. in Biological Sciences
(Creatives/Editing)



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NMIMS
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**SUNANDAN DIVATIA
SCHOOL OF SCIENCE**

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