RAJIV GANDHI INSTITUTE OF IT AND BIOTECHNOLOGY

YOUTHESTA

BIOLOGY , REIMAGINED.

STUDENT'S MAGAZINE 2024

PRESENTED TO YOU BY

THE ACADEMIC COMMITTEE

YOUTHESTA.RGI

EDITOR'S NOTE

This academic year has been an odyssey of insightful adventures and leveraged learning. We feel held in high regard for the opportunities that humbled us. As the year wraps up, the Academic Committee is in awe of gratitude for the absolute privilege that bestowed upon us. This magazine has been a beacon of our representation and a labor of love. .

This new edition is brimming with our very own scholar prowess who are passionate about their work and functional to the spirit of Youthesta. We are in esteemed mentorship of Dr. Shamim Shaikh and our committee co-ordinator Dr. Alpana S. Moghe, who has given us this invaluable merit of reflecting competent advancement. A sincere and warm vote of regard to the Youthesta team members , who have worked with all their heart for this and created a strong rapport which makes this honor all more endearing.

WARM REGARDS

EDITORIAL TEAM

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MESSAGE

DR. SHAMIM SHAIKH
PRINCIPAL

It gives me immense pleasure and a feeling of pride as I Welcome you to another edition of our STUDENT'S MAGAZINE (YOUTHESTA), A Vibrant platform for our student's voices and creativity. This magazine is a testament to the remarkable talent, intelligence and passion that is within these students.

Even though the Academic rigor and excellence are corner stones of these children, true education goes beyond textbooks and examination. Through this magazine, we attempt to ignite the curiosity and foster critical thinking and encourage them to embrace diverse perspectives of life. This Magazine provides a shege for them to explore beyond curriculum, delve into passions and express themselves with authenticity.

Every section of the magazine pulsates with the energy of their unique voices. There are insightful essays, captivating shrines, provoking poems and shinning art works show cased giving a glimpse into the vast pool of talent in these students.

This Magazine is not just a platform for expression, but a catalyst for change. Their words have the power to raise awareness about critical issues and advocate positive change and leave a lashing impact on the readers.

DEAR STUDENTS ,

Let this magazine be your compass to guide you on your journey of exploration, self-discovery and connections. Embrace the diverse perspectives and delre into the though provoking ideas and celebrate the voices that resonate with you. The Future that you are attempting to shape needs your voice, ideas and unwarering sprit.

WISHING YOU
GOOD LUCK !

MESSAGE

I am delighted to acknowledge that BV(DU)RGITBT, Pune is publishing an Annual collage magazine for the academic year 2023-24
A college magazine is a collection of artistic and creative literacy talents of students, which ever remains signature of the institution in the mind of viewer and readers
In this magazine, the views of Teachers and Students have been presented to a holistic manner with this, teacher and students will be available to understand and exchanged each other's views
Congratulations to the editorial team who shaped this magazine and to all those who are instrumented in bringing out this commendable work
Lastly, I bestow my blessings and best wishes to all.

DR.E.A.SINGH
VICE-PRINCIPAL

MESSAGE

DR. ALPANA MOGHE

ACADEMIC COMMITTEE CO-ORDINATOR

I feel very proud and happy to share my thoughts on the occasion on the release of -student's magazine. It is a great leap in the journey of our Institute to see the empowerment of students from mere seeking knowledge to gaining confidence and blooming to their potential. It is a reflection of our collective journey, accomplishments, and aspirations.

It is my pleasure to be a part of your journey from a shy, confused student to an ever confident youth expressing yourself in all walks of life. In these early years of your college life you have embraced challenges and demonstrated resilience in the accomplishment of your academic endeavors. You have participated in various activities of Student's Council with great enthusiasm.

Our aim in formulating the student's council had always been to showcase the growing opportunities for students and provide a platform to exhibit their talents. A very active participation and organization of series of activities in each of Academic, Co-curricular, Placement, Social outreach, Cultural and Sports councils reflect the success in accomplishment of my idea in formulating these councils. Together, we have organized impactful events, championed meaningful initiatives, and fostered a vibrant and inclusive students community.

I wish to take this opportunity to urge each of you to continue doing these meaningful activities and take pride in the positive impact they have created in your lives. The dedication, passion, and unwavering commitment to the students holistic development have been the driving force behind our success.

In the years to follow, I am confident that together, we will build upon the foundation we have laid, seize new opportunities for growth and development, and leave an permanent mark on our institution and the broader community.

I extend my congratulation to the entire team for draft this wonderful magzene reflecting the talent and activities of our Institute. I also express my heartfelt gratitude to each one of you for your dedication, passion, and commitment to the ideals of the Student Council. Your leadership, creativity, and perseverance inspire me every day, and I am honored to serve alongside you.

Thank you for your continued support and cooperation. Together, let us continue to lead, inspire, and make a difference.

DR. SHAMIM SHAIKH
PRICIPAL
MSC , PHD (BIOCHEMISTRY)

DR. E.A.SINGH
VICE-PRICIPAL (ADMINISTRATION)
MSC,PHD(ENVIRONMENTAL SCIENCE)

DR. RAMA BHADEKAR
VICE-PRINCIPAL (ACADEMIC)
MSC , PHD (MICROBIOLOGY)

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ASSOCIATED PROFESSOR
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PHD((MICROBIOLOGY)

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ASSOCIATE PROFESSOR
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A.D.B

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MSC(MICROBIOLOGY)

DR.TEHSIN BENUR
ASSISTANT PROFESSOR
MSC, PHD(BIOTECHNOLOGY)

RESEARCH
ABSTRACTS

REASEARCH ABSTRACT

DR. E.A.SINGH

Eco. Env. & Cons. 29 (May Suppl. Issue) : 2023; pp. (S70-S74)

ISSN 0971–765X

Investigation of the antibacterial efficacy of Zinc Oxide Nanoparticles (ZnO NPs) based Irrigant against Enterococcus faecalis Concerning Root Canal Disinfection

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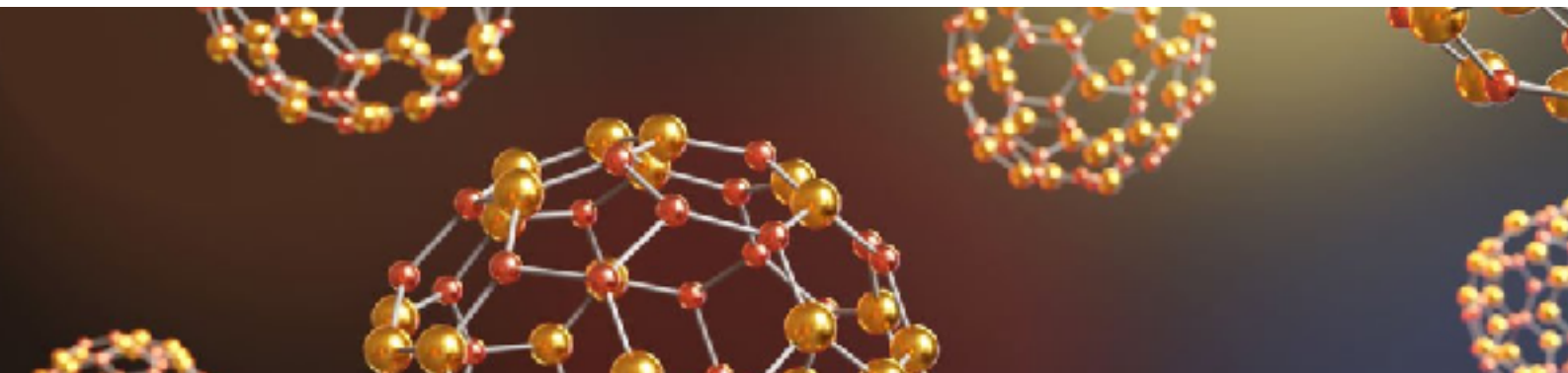
2BVDU's Rajiv Gandhi Institute of IT and Biotechnology, Pune, Maharashtra, India
(Received 10 November, 2022; Accepted 20 January, 2023)

ABSTRACT

The present study is aimed to investigate the antibacterial efficacy of Zinc Oxide Nanoparticles (ZnO NPs) based irrigants for root canal disinfection. The ZnO NPs-based irrigant was tested in-vitro on Enterococcus faecalis (ATCC: 29212) with NaOCl as a positive control. In this direction, ZnO NPs are very important as they are biocompatible, non-cytotoxic, cheap and easy to produce. The synthesis of ZnO NPs was carried out by facile semi-solvo thermal route using zinc acetate and urea as precursors and a mixture of deionized water and ethylene glycol as solvent. The optical, structural and morphological analyses were carried out by UV-Vis spectroscopy, XRD, SEM and TEM. The qualitative and quantitative antimicrobial activity of ZnO NPs were tested against Enterococcus faecalis containing 1/*105 CFU/ml. The structural and morphological analysis of ZnO NPs reveals the formation of a hexagonal crystal structure having flowerlike morphology where each flower is made up of petals with a thickness of 10-50 nm. The absorption edge was found to be shifted to the lower wavelength at 340 nm which can be due to the size quantization effect. The band gap value was calculated to be 3.65 eV. The inhibition zones were observed in all concentrations with positive control. The MIC and MBC of ZnO NPs were found to be 250 µg/ml and 1000 µg/ml, respectively. Overall, ZnO NPs synthesized by the semi-solvo thermal method were found to be an effective antibacterial agent against E. faecalis. Therefore, ZnO NPs can be used in irrigant solutions for better protection of the oral canal from E. faecalis.

Key words: ZnO NPs, Irrigants, NaOCl, Antibacterial efficacy, Enterococcus faecalis



REASEARCH ABSTRACT

DR.RAMA BHADEKAR

First report of Kosakonia cowanii CR1 causing canker disease on Citrus plants in India.

Ravikiran Jadhav and Rama Bhadekar

Citrus canker pathogen was isolated from diseased plant leaves of citrus plants in India. It was studied for morphological and biochemical characteristics. Molecular identification studies revealed that the isolate belongs to the genus Kosakonia. Apparently this is the first report of the isolate Kosakonia cowanii CR1 as the phytopathogen of citrus canker in India.

REASEARCH ABSTRACT

DR. ALPANA MOGHE

Hepatitis C Virus (HCV) and the Role of Phytochemicals in the antiviral effects of different medicinal plants against infection

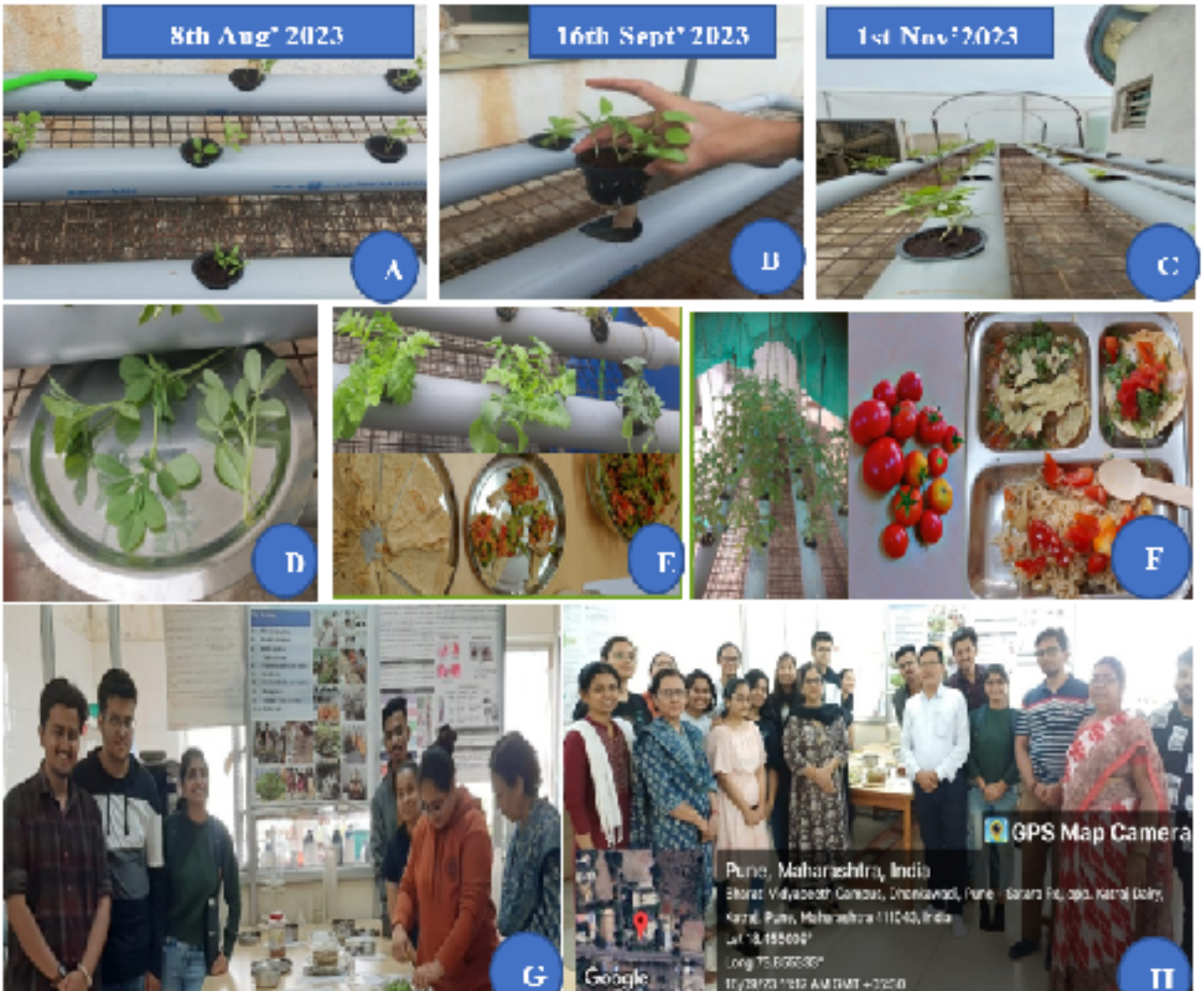
Hepatitis C virus (HCV) infection causes acute as well as chronic inflammation in the liver. Its high prevalence with over 23.7 cases per 100,000 population in the world marks it as a global health problem. Majority of HCV infections progress to chronic conditions which may lead to development of cirrhosis and hepatic cancer. Intervention with new generation of interferon (IFN)-free treatment regimen involving combinations of direct-acting antiviral (DAA) drugs has markedly improved the sustained virological response (SVR) to >90%. However, limited access to antiviral drugs, high price, and emergence of drug-resistant HCV strains impede the impact of these drugs. They highlight the need for development of highly acceptable, cost-effective, and safe treatment modalities suitable for long-term treatment. Existence of distinct HCV genotypes in diverse geographic locations further complicates the design of effective treatment strategies. Natural products are considered to be the best resource for development of safe and effective pharmaceuticals. Increasing volume of literature has defined the effect of medicinal herbs against HCV infections. The present chapter reviews the plants and their isolated compounds having high antiviral potency against HCV. Some of the potential extracts and traditional formulations tested for clinical efficacy in randomized clinical trials are also reviewed. The information may be of value in designing new efficacious, safe, and cost-effective drugs for management of chronic hepatitis C infections

REASEARCH ABSTRACT

DR. NEELAMBIKA METI

Establishment of Hydroponics unit and tasting of greens and tomatoes

Hydroponics is the technique of growing plants using a water-based nutrient solution rather than soil, and can include an aggregate substrate, or growing media, such as vermiculite, coconut coir, or perlite. This system is used by small farmers, hobbyists, and commercial enterprises. Different organic or inorganic sources, including fish excrement, duck manure, purchased chemical fertilizers, or artificial nutrient solutions are the sources of nutrients. The set up is established on 28th July'2023. The continuous-flow of the nutrient solution nourishes the growing plants. It is much easier to automate because sampling and adjustments to the temperature, pH, and nutrient concentrations can be made in a large storage tank that has potential to serve thousands of plants. Tomato, Fenugreek, Coriander have successfully grown from seedling stage and Radish from their tops as regrowth. The tomatoes and greens were successfully harvested and even relished.



HAPPY RETIREMENT

CONGRATULATIONS ON A WONDERFUL CAREER

DEAR NEELAMBIKA MA'AM

As you prepare to embark on the next chapter of your journey, I wanted to take a moment to extend my heartfelt gratitude and bid you a fond farewell. Your time as our professor has been truly invaluable, leaving an indelible mark on each of us. Through your guidance, encouragement, and mentorship, you have not only enriched our academic pursuits but have also helped shape our intellectual curiosity and critical thinking skills. Though it's difficult to bid farewell, we take comfort in knowing that your influence will continue to resonate with us long after you've left. Your legacy as a respected educator and mentor will endure, shaping the minds and aspirations of countless students to come.

Thank you for your unwavering dedication, your profound insights, and your unwavering support. Farewell, Professor, and may your next chapter be filled with boundless joy and fulfillment.

Warm Regards,

Nomesh (T.Y.)

REASEARCH ABSTRACT

DR. BIPINRAJ.N.K

Reviewing the potential of probiotics, prebiotics and synbiotics: advancements in treatment of ulcerative colitis

Inflammatory bowel diseases (IBD) like Crohn's and ulcerative colitis (UC) are multifactorial pathologies caused by environmental factors and genetic background. UC is a chronic inflammatory disorder that specifically targets the colon, resulting in inflammation. Various chemical interventions, including aminosalicylates, corticosteroids, immunomodulators, and biological therapies, have been extensively employed for the purpose of managing symptoms associated with UC. Nevertheless, it is important to note that these therapeutic interventions may give rise to undesirable consequences, including, but not limited to, the potential for weight gain, fluid retention, and heightened vulnerability to infections. Emerging therapeutic approaches for UC are costly due to their chronic nature. Alternatives like synbiotic therapy, combining prebiotics and probiotics, have gained attention for mitigating dysbiosis in UC patients. Prebiotics promote beneficial bacteria proliferation, while probiotics establish a balanced gut microbiota and regulate immune system functionality. The utilisation of synbiotics has been shown to improve the inflammatory response and promote the resolution of symptoms in individuals with UC through the stimulation of beneficial bacteria growth and the enhancement of intestinal barrier integrity. Hence, this review article aims to explore the potential benefits and underlying reasons for incorporating alternative approaches in the management of UC with studies performed using prebiotics, probiotics, and synbiotics to treat ulcerative colitis and to highlight safety and considerations in UC and future perspectives. This will facilitate the utilisation of novel treatment strategies for the safer and more efficacious management of patients with UC.

REASEARCH ABSTRACT

DR. VIDYA TALE

Molecular Docking and Pharmacodynamic Study of Potential Inhibitors of Streptococcus mutans Biofilm

Aditya Naman Soni, Meghna Varshney, Vidya Sunil Tale
Biomedical and Biotechnology Research Journal (BBRJ) 7 (3), 471-477, 2023

Background:
Biofilm formation permits the accumulation and adhesion of cariogenic bacteria on the surface of the tooth, resulting in an increase in antibiotic resistance. Streptococcus mutans is most commonly linked to dental caries. Biofilm formation is mediated by glucan-binding protein C (GbpC). This study focuses on the identification and pharmacodynamic study of putative ligands from ginger extract for the inhibition of GbpC.
Methods:
Studies on docking were conducted using AutoDock. In addition, pharmacodynamic experiments were carried ...
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All 4 versions
link.springer.com
Cloning of laccase gene from Coriolopsis caperata into heterologous E.coli host
Manasee Wadgaonkar, Vidya Tale, Yashwant Chavan
Vegetos 36 (1), 195-200, 2023
The cloning of the laccase gene encoding industrially relevant laccase enzyme was carried out from Coriolopsis caperata into heterologous E.coli. Laccase enzymes play a role in the oxidation reactions of one electron of a wide range of phenols, aromatic amines and heterocyclic compounds such as lignin. They are multi-copper oxidoreductases that catalyze the one-electron (e-) oxidation coupled with the transfer of four electrons to the catalytic copper atoms, which leads to the reduction of two water molecules from reducing oxygen. In the present study, C. caperata was utilized for cloning the laccase gene and the protocol for cloning is outlined in the present study. The full-length gene (~ 1622bp) was amplified from Coriolopsis caperata by extracting RNA and synthesizing cDNA and PCR using gene-specific primers. By including the restriction site sequence of NcoI and XhoI enzymes into the synthetic primers, the directed cloning of the laccase gene fragment in the pET28b vector was performed.The construct was transformed into the E.coli BL-21 DE3 strain for expression. The transformed E.coli strain was screened on the kanamycin marker plate and the recombinant colonies were selected for plasmid isolation. Laccase gene cloning was confirmed by DNA sequencing of extracted plasmid. The cells were further processed for inclusion bodies isolation for enzyme recovery. The protein obtained was of size ~ 57kDa and confirmed on SDS PAGE which was same as expected size. The enzyme activity was found to be 73.1U/mL using ABTS as substrate. The laccase gene was successfully cloned from the fungus C. caperata and because laccase enzyme has widespread applications in the pharmaceutical, food, and environmental industries the E.coli recombinant host expressing laccase gene could serve as a warehouse for higher laccase enzyme production in these industries .

REASEARCH ABSTRACT

DR. SANJAY GAIKWAD

IMPACT OF BIOPSY ON HUMAN EMBRYO CONCERN WITH PREIMPLANTATION GENETIC DIAGNOSIS (PGD): A REVIEW

Astha Parikh, Sanjay K Gaikwad, Rajendra V Salunkhe

Pre-implantation genetic diagnosis (PGD) is generally defined as the testing of pre-implantation stage embryos or oocytes for genetic defects. PGD involves embryos which are examined prior to their transfer into uterus. Embryos are obtained by in vitro fertilization with intracytoplasmic sperm injection (ICSI), and are biopsied mostly on day 3; blastocyst biopsy is mentioned as a possible alternative. The genetic analysis is performed on one or two blastomeres, by fluorescent in situ hybridization (FISH) for cytogenetic diagnosis, or polymerase chain reaction (PCR) for molecular diagnosis PGD involves identification of sex selection, antigen compatible embryo also some extent to cancer. In this paper, techniques for the embryo biopsy and application of PGD is discussed. And new concepts for reproductive health and analysis of embryo at different stages for detecting genetic disorders is being discussed.

REASEARCH ABSTRACT

DR. RAKHEE DANGI

Trigonella kargilensis (Trifolieae, Fabaceae), a new species from India based on morphological and molecular evidence

Khushboo Mittal, Rakhee Dangi, Priyanka Ingle & Akhtar H. Mallik

Abstract

Trigonella kargilensis K. Mittal, R. Dangi & P. Ingle sp. nova (Trifolieae, Fabaceae) is described and illustrated from Kargil District of Ladakh, India. It belongs in Trigonella sect. Ellipticae and shares several morphological similarities with T. cachemiriana, such as habit, floral features and phenology. However, it differs from it in leaf margin, inflorescence, ovary and legume characters. Phylogenetic analysis based on nuclear ribosomal DNA internal transcribed spacers (ITS) and plastid trnL-trnF + psbE-petL regions supports the inclusion of T. kargilensis in sect. Ellipticae and its status as a new species.

REASEARCH ABSTRACT

DR. PREETI PATIL

Anticancer Drug Discovery Based on Natural Products: From Computational Approaches to Clinical Studies

Abstract

Globally, malignancies cause one out of six mortalities, which is a serious health problem. Cancer therapy has always been challenging, apart from major advances in immunotherapies, stem cell transplantation, targeted therapies, hormonal therapies, precision medicine, and palliative care, and traditional therapies such as surgery, radiation therapy, and chemotherapy. Natural products are integral to the development of innovative anticancer drugs in cancer research, offering the scientific community the possibility of exploring novel natural compounds against cancers. The role of natural products like Vincristine and Vinblastine has been thoroughly implicated in the management of leukemia and Hodgkin's disease. The computational method is the initial key approach in drug discovery, among various approaches. This review investigates the synergy between natural products and computational techniques, and highlights their significance in the drug discovery process. The transition from computational to experimental validation has been highlighted through in vitro and in vivo studies, with examples such as betulinic acid and withaferin A. The path toward therapeutic applications have been demonstrated through clinical studies of compounds such as silvestrol and artemisinin, from preclinical investigations to clinical trials. This article also addresses the challenges and limitations in the development of natural products as potential anti-cancer drugs. Moreover, the integration of deep learning and artificial intelligence with traditional computational drug discovery methods may be useful for enhancing the anticancer potential of natural products.

REASEARCH ABSTRACT

DR. RAVIKIRAN JADHAV

Annals of Plant and Soil Research 25 (2): 270-279 (2023)

Marker assisted Rpp gene introgression for Asian rust resistance in Soybean (Glycine max (L.) Merrill)

SAMBHAJI YAMGAR[1]*, VIVEK CHIMOTE[1], SHARAD PAWAR[1], AMRUT PATIL AND RAVIKIRAN JADHAV[3]

[1]Dept. of Agricultural Botany, Mahatma Phule Krishi Vidyapeeth, Rahuri. Received, October, 2022; Revised accepted, January, 2023

ABSTRACT

The present work aimed to study marker-assisted Rpp gene introgression into widely adaptable and agronomical desirable soybean cultivar JS335 to enhance soybean Asian rust resistance against field isolates and broaden the genetic base by using ten microsatellite SSR markers. The four sources of Asiatic soybean rust resistance genes, for the present study were, P1200492 (Rpp1), PI 230971 (Rpp2), PI 462312 (Rpp3), and PI 459025 (Rpp4) The rust-resistant donor parents (Male) derived from a double cross of four parents Pl 200492 (Komata), PI 230971, PI 462312 (Ankur) and PI 459025 (Bing Nan) were identified by field scoring
and confirmed by molecular level for the presence of combination Rpp genes. These donor parents coded as SDP10, SDP18, SDP30, and SDP36 were simultaneously crossed separately with widely adaptable female JS335 viz; JS335 x SDP10, JS335 x SDP18, JS335 x SDP30, and JS335 x SDP36 during Kharif - 2017. Out of 10 SSR markers, 3 markers used for individual genotyping are Satt 191 amplified at 222 bp (Rpp1 gene), Satt 366-200 bp (Rpp2 gene), Satt 263-225 bp (Rpp3 gene) showed polymorphism into the original donors and derived donors. The marker-based analysis confirmed that a rust-resistant donor parent SDP10 had the Rpp1
and Rpp3 genes. It can be used with digenic donor males for improvement against rust in soybean. SDP18 with (Rpp2) gene, SDP30 (Rpp2), and SDP36 (Rpp3) can be used as monogenic rust donors for the development of resistant varieties in soybean. The derived F_1 of four crosses (JS335 x SDP10, JS335 x SDP18, JS335 x SDP30, and JS335 x SDP36) have both heterozygous banding patterns which indicate hybridism and further
their inheritance-resistant gene of respective male parents.

Keywords: Soybean, SSR Marker, Asian Soybean rust, Gene incorporation

REASEARCH ABSTRACT

DR. TEHSIN BENUR

Tailoring Tiny Titans: Bio-inspired Nanoparticles for Tissue Regeneration

Imagine building tissues with building blocks smaller than a virus! My research explores the exciting world of nanoparticle biosynthesis, where we leverage nature's ingenuity to create nanoparticles – microscopic marvels with unique properties. By harnessing the power of bacteria, plants, or even fungi, we can produce these nanoparticles in an eco-friendly way, unlike traditional methods.

My work delves into fine-tuning the parameters involved in synthesizing and enhancing the biocompatibility of these nanocomposites. By tweaking factors like the type and size of nanoparticles, the composition of the polymer matrix, and processing methods, we can tailor the properties of these materials to specific tissue needs. This research holds immense potential in various fields, from healing damaged bones and skin to engineering functional tissues for transplantation. I'll delve into the fascinating world of nanoparticle biosynthesis and showcase how these tiny titans are paving the way for groundbreaking advancements in tissue engineering

REASEARCH ABSTRACT

DR. ARCHANA SAHAY

Received on 02 August 2022; received in revised form, 13 September 2022; accepted, 21 October 2022; published 01 April 2023

DOCKING STUDY FOR UROLITHIASIS IN SYNADENIUM GRANTII

Archna Sahay, Mashitha Pise and Hemant Bawankar

Department of, Biochemistry, Bharati Vidyapeeth, Deemed to be University, Rajiv Gandhi Institute of Information Technology and Biotechnology, Pune - 411018, Maharashtra, India.

ABSTRACT:

Urolithiasis, also called kidney stone, was caused by a missense mutation in the adenine phosphoribosyl transferase enzyme encoded by the APRT gene. This gene was present in human chromosome 16. In this paper, a comparative study of the effectiveness of six ligands reported in Synadenium grantii was analyzed by docking approach. For this purpose, the effective six ligands that were present in Synedenium grantii were selected, downloaded, and docked with APRT. The interactions of these ligands with APRT were analyzed by docking by using Autodock vina. The selected six ligands were phorbol ester, terpene, flavonoid, tannin, coumarin, and anthraquinone. All these ligands have anti-urolithiatic activity and are used to treat urolithiasis. A docking study by AutoDock vina reveals the interacting amino acid residues that have not been reported yet. Based on interactions of different ligands with APRT, our analysis shows that flavonoid was most effective, followed by terpene, phorbol ester, tannin and coumarin. The results show that anthraquinone was the least effective. The docking study performed by Autodock vina shows that flavonoid was most effective and anthraquinone was least effective.

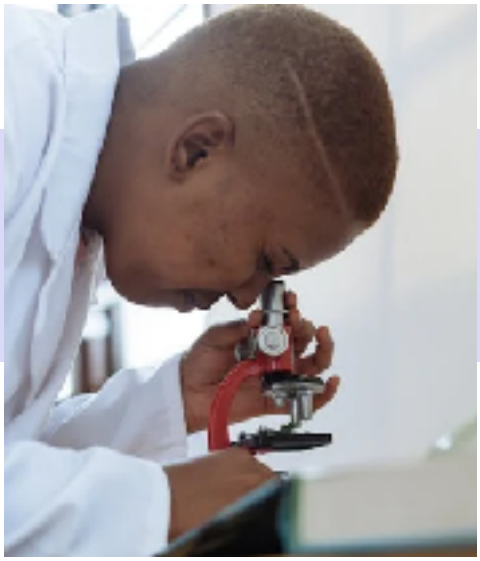
OUR DEPARTMENTS

AT RAJIV GANDHI INSTITUTE OF IT AND BIOTECHNOLOGY

DEPARTMENTS

PLANT BIO-TECHNOLOGY

HOD-
DR.E.A.SINGH

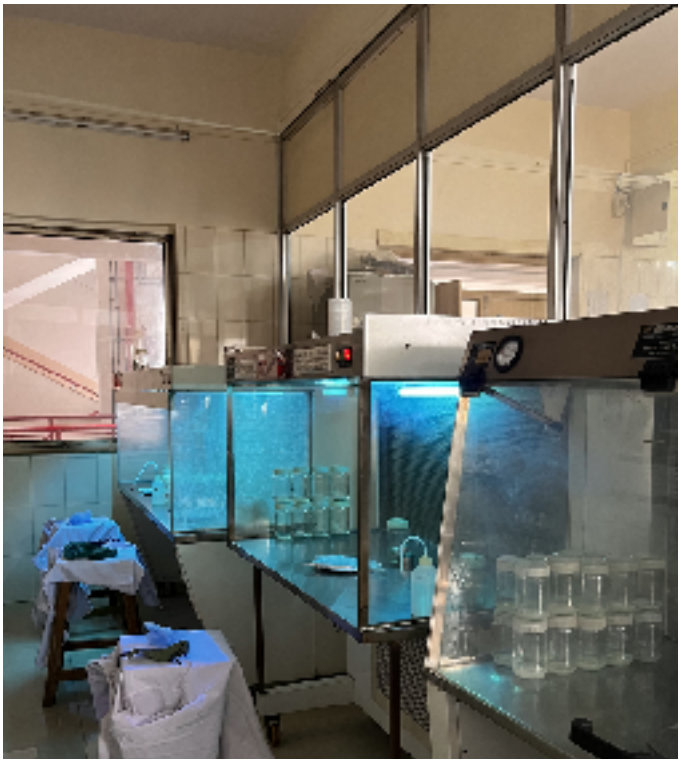


Harnessing Nature's Potential: A Look into Our Department of Plant Biotechnology

Welcome to the Department of Plant Biotechnology, where we delve into the fascinating world of plant science, genetics, and technology to address the agricultural and environmental challenges of today and tomorrow. Our department is a hub of innovative research, cutting-edge technology, and passionate researchers dedicated to advancing the field of plant biotechnology.

DEPARTMENTS

Our plant biotechnology labs encompasses a multitude of scientific tools and techniques for screening and genetic manipulation of plants to develop beneficial or useful plant/plant products.
Researchers in our labs are currently working on studies including In Vitro regeneration of ayurvedic plants, germplasm conservation, varietal improvement, micropropagation of commercially important plants, somaclonal variations in plants and plants which can cure snakebite etc...
Enthusiasts in plant biotechnology can seek employment in agricultural sectors, chemical industries, manufacturing and pharmaceutical industries.



DEPARTMENTS

Our Environmental Biotechnology lab is specialized to address environmental problems, such as the genetic rescue of a species, the removal of pollution, renewable energy generation or biomass production, all by using biological processes for the protection and restoration of the quality of the environment.
Environmental scientists has the potential to revolutionize the possibilities for pollution control, wastewater and solid waste management, production with less pollution discharge or fewer raw materials consumption, and assure health of environment by genetic engineering and biomonitoring.

DEPARTMENTS

MICROBIOLOGY

HOD- DR. RAMA BHADEKAR

Unveiling the Microscopic World: A Spotlight on Our Department of Microbiology

Welcome to the Department of Microbiology, where we explore the unseen world of microorganisms and their profound impact on life and the environment. Our department is dedicated to advancing knowledge in microbiology through research, education, and community engagement.

Our RGITBT's department of microbiology is guided under the leadership of Dr. Rama Bhadekar ma'am . Equipped with state-of-the-art tools and facilities, our laboratory serves as a focal point for studying microorganisms and their interactions with the environment.

At the heart of our laboratory are essential instruments such as the laminar air flow, autoclave, and hot air oven, ensuring a sterile environment for experimentation and culture maintenance. The microscope, with its advanced imaging capabilities, enables detailed observation and analysis of microbial structures and behaviors.

Precision is paramount in our work, facilitated by the analytical balance for accurate measurements and the Bunsen burner for sterilization and flame-based techniques. Additionally, the water bath provides controlled temperature conditions vital for various experiments.

Petri dishes and inoculation loops are indispensable tools for culturing and isolating microorganisms, allowing researchers to study their growth and characteristics. Meanwhile, the magnetic stirrer enhances mixing and agitation processes, crucial for biochemical assays and reactions.

Through collaborative research and continuous learning, we strive to make significant contributions to the understanding of microbial ecosystems and their impact on human health and the environment.

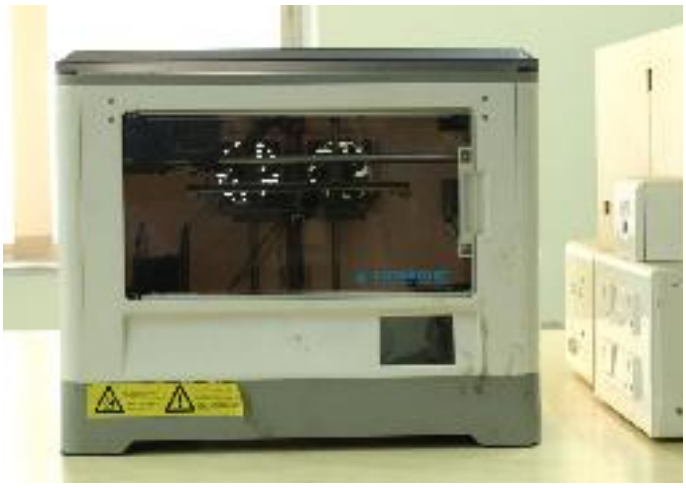
HOD- DR.SHAMIM SHAIKH

BIO-CHEMISTRY

Exploring the Molecular Basis of Life: A Glimpse into Our Department of Biochemistry

The Department of Biochemistry encompasses the study of chemical processes in living systems. Integrating (well, you guessed it) biology and chemistry to explore molecular mechanisms and underlying biological function to produce a plethora of prolific products. Medicines, Agriculture, Industry, Environmental assets...these are just some of the many remarkable arenas where applied biochemistry has become competent. Biochemistry is an ever-growing field of its own at this point, waiting to be incentivized by people who can push through.

The Department of Biochemistry encompasses the study of chemical processes in living systems. Integrating (well, you guessed it) biology and chemistry to explore molecular mechanisms and underlying biological function to produce a plethora of prolific products. Medicines, Agriculture, Industry, Environmental assets...these are just some of the many remarkable arenas where applied biochemistry has become competent. Biochemistry is an ever-growing field of its own at this point, waiting to be incentivized by people who can push through. Featured Faculty: Dr. Shamim A. Shaikh {Principle, M.Sc., Ph.D. (Biochemistry)} Dr. Archana Sahay {Assistant Professor, M.Sc. (Biochemistry), Ph.D. (Life Sciences)}



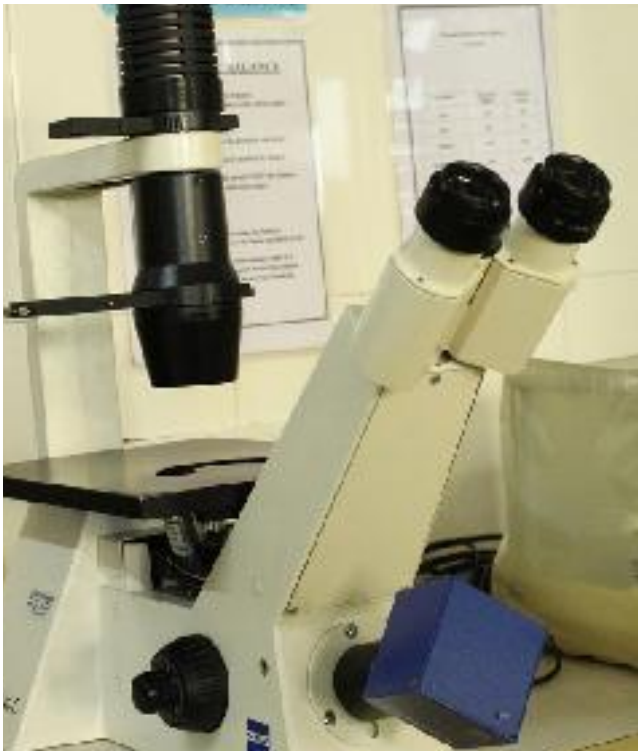
CELL AND MOLECULAR BIOLOGY

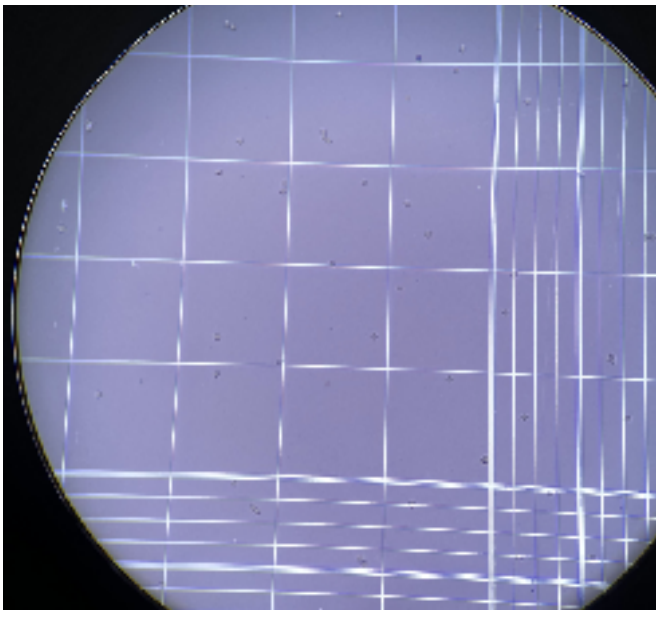
HOD-DR. ALPANA MOGHE

Exploring the Building Blocks of Life: A Spotlight on Our Department of Cell and Molecular Biology

Welcome to the Department of Cell and Molecular Biology, where we delve into the fundamental processes that govern life at the cellular and molecular levels. Our department is dedicated to advancing knowledge in cell biology, genetics, and molecular biology through research, education, and community engagement.

The Department of Cell & Molecular Biology hosts a sophisticated facility for Animal Tissue Culture, Molecular Biology, Cytogenetics, Immunology, Cell Biology, and Zoology. Our laboratory courses in these subjects are conducted in these laboratory facilities. Our research focuses on several key areas including the development of cellular assays, studies on the efficacy and toxicity of natural products/formulations, and the exploration of drug delivery systems using both in vitro and in vivo models. Additionally, we specialize in the development of in vitro 3-Dimensional cellular spheroid and organoid models We take pride in our strong research agenda, supported by funding from esteemed Government organizations such as the Ministry of AYUSH, ICMR, DBT, and the Ministry of Environment & Forestry. The collaborative efforts are integral to our work, and we have successfully completed over 17 research projects and consultancies with various pharmacy research groups and industries. In line with our commitment to education and skill development, we regularly organize training programs and hands-on workshops for students and teachers alike. To date, we have conducted over 20 different training programs, workshops, and faculty development initiatives With the untiring contribution of our esteemed faculty members, including Dr. Alpana Moghe,, Dr. Sanjay Gaikwad, and Dr. Tahsin Bennur, our department has made significant contributions to the field. Collectively, we have published over 50 research papers, 2 Book Chapters, and secured 6 patents based on our pioneering research endeavors





BIOINFORMATICS

HOD–DR. PREETI PATIL

Bridging Biology and Information Technology: A Look into Our Department of Bioinformatics

Welcome to the Department of Bioinformatics, where cutting-edge technology meets the complexities of biological systems. Our department is at the forefront of interdisciplinary research, integrating biology, computer science, and statistics to unravel the mysteries of life and drive innovation in biotechnology and medicine.

The Department of Bioinformatics delves into the development/ application of computational tools and methods to study biological systems, particularly at the molecular level. It is a self-sustaining field of form and function.

In practice, we are looking at huge volumes of data sets featuring DNA sequences, protein structures, gene expression profiles, and metabolic pathways. Bioinformaticians develop algorithms and software tools to process, analyze, and interpret this data to extract meaningful biological insights.

A widely growing discipline that has become almost necessary in systemic biology.

CLASS PHOTOGRAPH

F.Y

S.Y

T.Y

BSC BIOTECHNOLOGY

F.Y

MSC BIOTECHNOLOGY

S.Y

F.Y

MSC MEDICAL BIOTECHNOLOGY

S.Y

CLASS PHOTOGRAPH

MSC BIOINFORMATICS AND A.D.B

OUR COMMITTEES

AND STUDENT'S COUNCIL

ACADEMIC COMMITTEE

CO-ORDINATED BY - DR.ALPANA MOGHE

HEAD- SOHEL

CO-HEAD- RENCY

C0-HEAD- SWAROOPA

Together, we stand at the threshold of Academic excellence

Our college's Academic Committee functions much like the collective intellect of our community. The primary purpose of this committee is to emphasize student personality development and the acquisition of knowledge, skills and attitude. Its primary focus is planning, coordinating, and executing seminars and other academic events to enrich the educational experience for students and faculty. We have hosted seminars where students learn about CVs, Resumes, Statement of Purpose, Letters of Recommendation and what different Entrance Exams that they may take after earning their bachelor's degree. Additionally, we have arranged a few introductory talks on topics like the value of probiotics, the significance of Unani Medicinal Techniques, how to pursue a master's degree overseas, etc. This committee aims to create opportunities for students and faculty to engage with diverse academic topics, fostering a learning environment beyond the traditional classroom setting. It helps enhance the overall educational experience by bringing in experts, facilitating knowledge exchange, and promoting intellectual growth within the academic community. .

CO-CURRICULAR COMMITTEE

CO-ORDINATED BY - DR.RAMA BHADEKAR

HEAD- SAKSHI

CO-HEAD- SUNIDHI

We initiate and organise extra-curricular activities to enhance skills, supporting fun and academic together. Our committee works together to arrange activities like skit, quizzes, debate, guest lectures and various informative seminars for the students

Events conducted by co-curricular committee-

1) Msc Orientation Program- 2 August, 2023

2) FY Orientation and Interactive Session- 2 August, 2023.

3) Informative seminar with AIESEC in Pune- 10th August, 2023.

CULTURAL COMMITTEE

CO-ORDINATED BY - DR.VIDYA TALE

HEAD- NISHIGANDHA

CO-HEAD- MAHIMA

The Cultural Committee hosts the most explosive events that celebrate creativity and camaraderie. They exhibit dazzling artisanship with myriad of expressive forms and engagement. It does involve some forging through the hard rock and weaving a strategic tapestry, but it all comes together, and everyone ends up having a blast! Be it sports events or talent competitions, the Cultural Committee provides a platform for students to bring out their hidden talents and add fun and exciting memories to college life. “Dive into the fun-filled world of our Cultural Committee! Our lively fests are a fusion of music, dance, and games that bring joy to every moment. Join us for a celebration where creativity meets laughter, and every event is a chance to make new friends and unforgettable memories. Get ready for a whirlwind of excitement and fun!”

COMMITTEES

DISCIPLINE COMMITTEE

CO-ORDINATED BY - DR.SHAMIM SHAIKH

HEAD-VARAD

CO-HEAD- ANKIT

The Discipline Committee at our college plays a crucial role in maintaining a harmonious and respectful campus environment. Comprising dedicated faculty members and student representatives, this committee is responsible for upholding the institution's code of conduct.With a focus on fostering a positive learning atmosphere, the Discipline Committee actively contributes to shaping a community where students can thrive academically and personally.In addition to addressing rule violations, the Discipline Committee actively collaborates with other campus organizations to implement preventive measures.

SPORTS COMMITTEE

CO-ORDINATED BY -SANTOSH PAWAR

HEAD-ASHWIN

One of the primary objectives of the Sports Committee is to promote physical well-being among students. Through a variety of sports and fitness programs, the committee encourages students to lead active lifestyles, helping them stay healthy and energetic.

Moreover, the Sports Committee plays a crucial role in honing the talents of budding athletes. By organizing inter-college tournaments, coaching clinics, and talent scouting programs, the committee provides a platform for students to showcase their skills and compete at a higher level. This not only boosts the morale of the participants but also helps in identifying and nurturing talent, ultimately contributing to the college's sporting legacy.

In addition to promoting physical fitness and talent development, the Sports Committee also plays a significant role in fostering a sense of community among students. Through sports events and recreational activities, the committee brings students together, breaking down barriers and promoting inclusivity. This sense of camaraderie not only enhances the overall college experience but also helps in building lifelong friendships and networks.

PRIZE DISTRIBUTION

COMMITTEES

SOCIAL OUTREACH

CO-ORDINATED BY- DR.BIPINRAJ.N.K

FOUNDER - SARTHAK GANDHI

HEAD - SAMUEL

CO-HEAD- BUSHRA

Though started as an independent venture, by alumni Sarthak Gandhi and his team four years ago, the Social Outreach Committee is a league of its own amongst the suite of committees at RGITBT.
Their humble beginnings included the distribution of food packets and ration kits in villages during the infamous lockdown. Since then, the committee has been on an eloquent spree and has become a full-fledged operation. They have carried out multiple events that include donations, plogging drives, visits to old-age homes, orphanages, and tree plantations along with conducting various seminars on some critical issues such as sexual abuse and mental health awareness. All at the expense of their time and resources which deserve hearty admiration.

"We aim at expanding our reach, doing so much more for society and working tirelessly to make the world a better place, one smile at a time! As our motto says, 'For the people, By the people.'"

- Visit to Savali (Special care home)

“Social Outreach visited Savali - a shelter for care, and we must say it was indeed the most touching visit we've had so far.It was lovely carrying out activities and listening to their sweet and innocent stories. There was so much affection in the room we didn't want to leave!!! ❤️ People with disabilities are not broke. They are special and bring with them their own world ful lot joy, laughter and love.”

Visit to Janaseva Foundation

“Janaseva Foundation is an orphanage we visited to celebrate our friend Satyajeet's birthday. Janseva Foundation has been engaged in social work of sorts for a very long time and they allowed us to share smiles and stories of hope with all these children.

We were more than overwhelmed to see the love these kids had and the bonding they shared with their friends and the extraordinary talents they possessed. They made us feel like all of us from the team were their brothers and sisters they knew forever.

It is a great campus, pollution free with secure surroundings and the staff is very cooperative.

Janseva Foundation is doing an outstanding job!”

E-CELL

COMMITTEES

Empowering Tomorrow's Innovators: The Entrepreneurship Development Cell of Our College

CO-ORDINATED BY- DR.BIPINRAJ.N.K

Establishment of Entrepreneurship Cell at Rajiv Gandhi Institute of IT and Biotechnology

Rajiv Gandhi Institute of IT and Biotechnology has taken a significant stride towards fostering innovation and entrepreneurship with the establishment of its Entrepreneurship Cell. Recognizing the importance of nurturing entrepreneurial talent among its students, the institute has created a platform to inspire, educate, and support aspiring entrepreneurs.

The Entrepreneurship Cell aims to provide a conducive environment for students to explore their entrepreneurial aspirations, develop innovative ideas, and transform them into successful ventures. Through various workshops, seminars, and guest lectures, students will be exposed to real-world challenges and opportunities in the entrepreneurial landscape.

Moreover, the Entrepreneurship Cell will facilitate mentorship programs, networking events, and access to resources such as funding and incubation support, empowering students to turn their ideas into viable business ventures. By bridging the gap between academia and industry, the cell aims to cultivate a culture of innovation and enterprise among the student community.

With the establishment of the Entrepreneurship Cell, Rajiv Gandhi Institute of IT and Biotechnology is poised to become a hub for budding entrepreneurs, driving economic growth, and fostering innovation in the field of IT and biotechnology.

COMMITTEES

NSS

NATIONAL SERVICE SCHEME

CO-ORDINATED BY- DR.E.A.SINGH

Not Me But You

The Motto of NSS "Not Me But You", reflects the essence of democratic living and upholds the need for self-less service.

With mesmerizing journey of NSS unit, this year also volunteers continued the same spirit with more emphasis on current social issues & focussing the need of society which lefts the memorable stamps in the history.

With great innovative ideas & successful activities the unit was again strengthened by more 40 making total of 90 volunteers. Now the NSS unit has strength of 90 volunteers from 2021-22.

Prof E.A Singh is the programme officers of the NSS unit. In this program the NSS Volunteers, under the guidance of the Principal & NSS Program Officer, carry out different activities like tree plantation,blood donation camp, various competitions, lectures & seminars for students.The NSS volunteers also organize different events and celebrate days such as Shivjayanti,yoga day etc.

Our college NSS unit with strength of 40 volunteers conducted many activities during the whole academic year.

The first activity was celebration of National Youth day and The birth anniversary of Swami Vivekanand.

The second activity was celebration of National Girl Child day on 24th of january . On this day a rally was held to spread awareness to empower the girl child & a speech was given by surbhi pawar one of our volunteers on topic of saving girl child .

The third activity of year 2022 by NSS volunteers was held on 19th Feb 2022 which is celebration of Shivjayanti. We felicitated the statue of Chhatrapati Shivaji Maharaj with all the voluteers.

On 6th of march NSS winter camp was organized at shindewadi village. The felicitation of camp was done by The sarpanch of village and principal Dr. Samim Shaikh , Former principal Dr. Sharma sir & NSS head of RGITBT Dr. E.A.Singh.Various innovative activities like tree plantation,Nala bunding,trench formation,Village survey of local crops were done on 6th and 7th march.

Cleanliness drive was carried in the village by the volunteers.

Guest lectures were held by the NSS volunteers of RGITBT in the Mahatma Jyotiba Phule School.

Rishikesh Palve,one of the volunteer of NSS had a special lecture on Awareness on periods for girls in the same school.

Then Dr.Jaywant Pawar sir had a lecture on intellectual development of students.

Dr. Patil sir professor of yoga had a yoga session for the volunteers .

On 12th of march the camp was done and the volunteers cleaned the environment and left the village.

Another remarkable year added as the quality & quantity of activities was enhanced.

NSS CAMP 2024

OTHER ACTIVITIES

AT RGITBT

Igniting Curiosity, Inspiring Innovation

SCIENCE DAY

FEBRUARY 28TH , 2024

Welcome to our Science Day Exhibition at RGITBT ! Today, we showcase a myriad of innovative ideas and projects that highlight the cutting-edge advancements in biotechnology.

Science Day: Innovative Ideas Exhibition

Date: 28th February 2024

Organizer: BVDU - Rajiv Gandhi Institute of IT and Biotechnology

The "Science Day: Innovative Ideas Exhibition" organized by BVDU - Rajiv Gandhi Institute of IT and Biotechnology on 28th February 2024 was a remarkable event showcasing the creativity and innovation of Third Year BSc Biotechnology students. This event under the guidance of Dr.Bipinraj provided a platform for students to transform their innovative ideas into tangible products and present them to a distinguished panel of judges.

The event featured a group competition where students meticulously selected innovative ideas and developed them into products, which were then exhibited during the event. Each group was evaluated by the invited judges based on the novelty, feasibility, and market potential of their products. The judges, recognizing the varying stages of development among the teams, categorized them into three distinct categories, ensuring fair competition and recognition for all participants.

The inauguration ceremony commenced with a symbolic candle lighting, signifying the enlightenment brought about by innovative ideas. A captivating video presentation showcased a glimpse of the groundbreaking innovations awaiting exploration during the event, setting the tone for an inspiring and creative atmosphere.

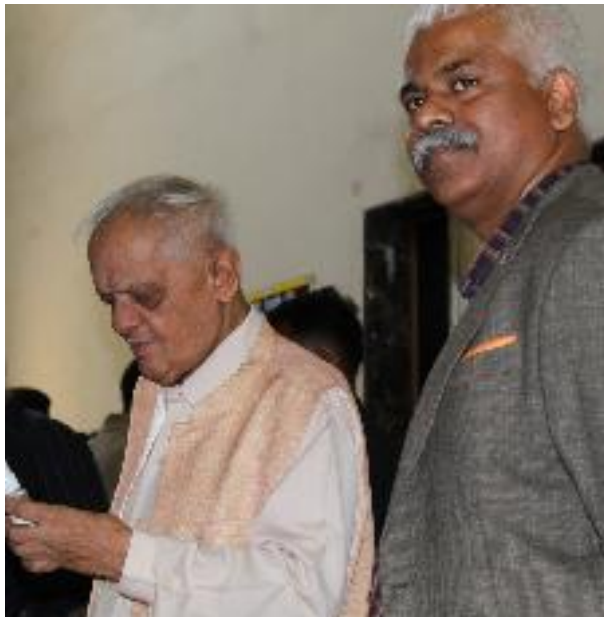
The event was graced by the esteemed presence of Chief Guest Dr. M Hegde, whose insights and encouragement added immense value to the event. The judging panel comprised eminent experts in the field: Dr. Rijwan Pinjari, Dr. Ashish Polkade, and Dr. Jayant Pawar, whose expertise and thorough evaluation contributed significantly to the success and fairness of the competition.

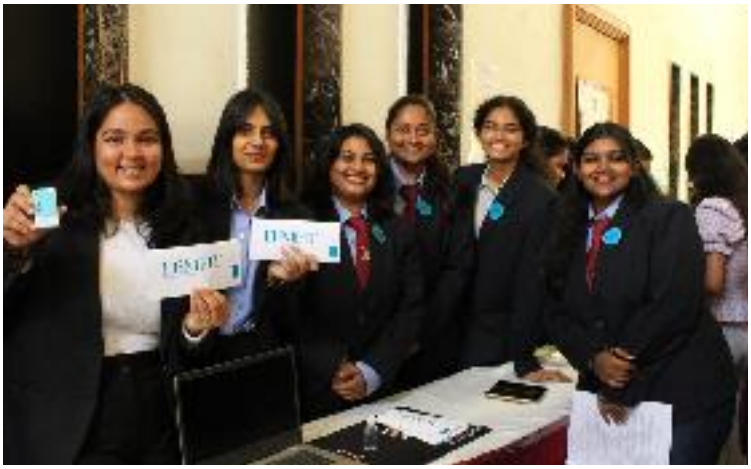
At the end of the event, winners were announced in each category, with the "Ready to Market" category witnessing intense competition and producing two outstanding winners.

The "Science Day: Innovative Ideas Exhibition" had a profound impact on the participants, motivating and inspiring them to think beyond conventional boundaries and explore innovative solutions. The event provided a valuable platform for students to showcase their talents, fostering a culture of innovation and entrepreneurship within the college community. It served as a catalyst for students to realize their potential and aspire to achieve greater heights with their innovative ideas.

In conclusion, the "Science Day: Innovative Ideas Exhibition" organized by BVDU - Rajiv Gandhi Institute of IT and Biotechnology was a resounding success, celebrating creativity, innovation, and the spirit of exploration among BSc Biotechnology students. The event not only recognized outstanding achievements but also encouraged continuous growth and development in the field of biotechnology innovation.

Reported by Academic Committee Member
Nilayana Sundrani
Third Year Bsc Biotechnology





OTHER ACTIVITIES

OTHER ACTIVITIES

ALUMNI MEET

SUMMER 2024

20th Mar 2024
RGITBT Auditorium

The Academic Committee of Rajiv Gandhi institute of IT and biotechnology successfully organized ALUMNI MEET- 2024 , under the guidance of Mrs. Alpana Moghe, Faculty head of Academic Committee.
Mr. Sohel Mulla and Ms. Rency Usdadiya academic committee head and co-head respectively started the event.
Respected principal ma'am, Dr. Shamim Sheikh and other heads of departments lightened the lamp with their auspicious hands to commence the event.
Event initiated with the welcoming speech of Mrs. Alpana Moghe , president of ALUMNI MEET. Further Dr. Shamim Sheikh embarked on the success of Alumni's present there. Followed by Dr. Elangbam Singh, Dr. Vidya Tale, Dr. Rama Bhadekar, Dr. Neelambika Meti contemplated about alumni and their achievements.
After the inauguration ceremony, all the erudites were awarded with medals and certificates for their magnificent masterwork in their academics.
After the prize distribution, Ms. Swaroopa Kulkarni, Academic Committee co-head started the entertaining part of the event with an interactive session with all the alumni who were part of this beautiful MEET. Herein alumni where provided with some questions which they had to answer. It was a delightful part of the event as alumni shared their unforgettable and lasting reminiscence. Every alumni were bestowed on giving an answer with an alumni mug.
One super senior had shared his journey from beginning of this branch of Bsc. Biotechnology at RGITBT to what we see now as an excellent college in terms of academics.
The event then came to an end with an exquisite photograph with all the alumni and teachers. This ALUMNI MEET was an impeccable and exemplary event with an endeavor of Ms. Alpana Moghe Ma'am , Academic Committee heads and the academic committee members.


ALUMNI


Program Co-ordinators


JIV GANDHI INSTITUTE OF IT AND BIO
Alumni

"As the sun set on our vibrant campus, the echoes of laughter and reminiscences from our alumni filled the air, painting a vivid picture of the enduring bonds forged at our alma mater. The meetup was more than just a gathering; it was a celebration of shared experiences, a testament to the lasting connections that define our college community. As we bid farewell to our esteemed alumni, we carry with us their wisdom, their stories, and their passion, inspired to continue the legacy of excellence they have set before us. Until we meet again, may our bonds remain strong and our memories bright."

ORGANIZING TEAM

On behalf of the entire college community, we extend our heartfelt gratitude to each and every volunteer for their outstanding efforts in making the alumni meetup a resounding success. Your dedication, hard work, and attention to detail were instrumental in creating a memorable and enjoyable experience for all.

From meticulously planning the event logistics to ensuring smooth coordination on the day, your commitment to excellence was evident in every aspect of the meetup.

OTHER ACTIVITIES

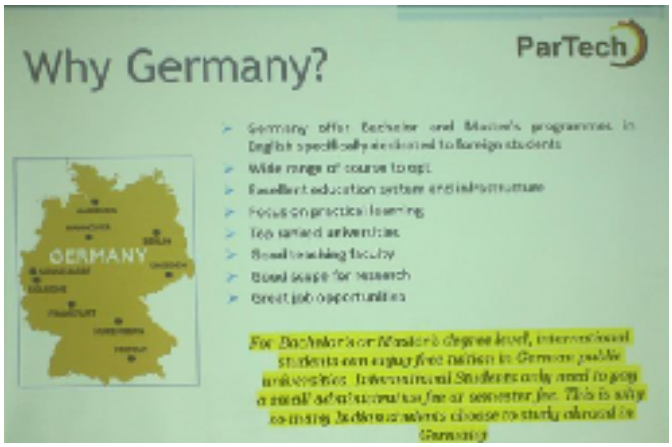
FACULTY DEVELOPMENT PROGRAM

The State Level FACULTY DEVELOPMENT PROGRAM IN Animal tissue culture technology organized under The DPT Builders Scheme

DATED- 3th APRIL TO 8th APRIL , 2023

Total 14 faculty members from our college were a part of this program.

Career counsellor **Dr. Anjana Singh** was invited to guide the students regarding abroad studies. The seminar was arranged by academic committee in collaboration with Partechconsultancy.



Exploring the Wonders at IISER's India Science Festival 2024

Imagine a lively celebration where science comes to life – that's exactly what the India Science Festival at IISER offered. With hands-on workshops, talks by enthusiastic scientists, and interactive exhibits, the event was a playground for curious minds. Attendees, a mix of students and researchers, dove into experiments and lively discussions. Noteworthy speakers made complex topics feel like a friendly chat, and the festival showcased futuristic research, giving us a sneak peek into the magic of science in India. It wasn't just about facts; it was about feeling inspired and connected.

~ Ashutosh Kumar Singh
F.Y Bsc Biotech

OTHER ACTIVITIES

CULINARY SKILLS WITH VEGAN DIET

NEW COURSE INTRODUCED TO THE CURRICULUM

The Vegan Diet Exhibition held at RGITBT (Rajiv Gandhi Institute of Technology and Biotechnology) showcased an array of culinary talents from first-year students. The event was a vibrant display of creativity and innovation, with students presenting a diverse range of vegan delicacies.

Throughout the exhibition, stalls were set up featuring homemade pickles, cookies, cakes, chocolates, and an assortment of salads, all crafted by the students themselves. Each dish was meticulously prepared, highlighting the students' dedication to vegan cooking and their willingness to explore new flavors and ingredients.

The event not only provided a platform for students to showcase their culinary skills but also fostered a sense of community and camaraderie among the participants. Various faculties enthusiastically joined the exhibition, further adding to the vibrant atmosphere and encouraging students to excel in their endeavors.

One of the highlights of the exhibition was witnessing students unveiling their hidden talents, whether it be in baking, food presentation, or recipe innovation. The event served as a reminder of the immense potential and creativity that lies within the student body at RGITBT.

Overall, the Vegan Diet Exhibition was a resounding success, with students leaving a lasting impression through their delicious creations and demonstrating their passion for vegan cuisine. It not only celebrated culinary talent but also promoted the values of sustainability and healthy living, reflecting the ethos of RGITBT as an institution dedicated to holistic education and innovation.

ACHIEVEMENTS CORNER

Welcome to the Achievements Corner, where we celebrate the outstanding accomplishments of our students! This section is dedicated to highlighting the remarkable feats and successes of our diverse student body, showcasing their talents, perseverance, and commitment to excellence.

From academic achievements to artistic endeavors, sports triumphs to community service, the Achievements Corner is a platform to recognize and applaud the hard work and dedication of our students. It's a testament to the vibrant and dynamic spirit of our college community, where individuals strive to reach new heights and make a positive impact.

Join us in celebrating the remarkable achievements of our students, and be inspired by their stories of success, determination, and passion. Congratulations to all the achievers, and may their stories inspire you to pursue your dreams and make a difference in the world!

ACHIEVEMENTS

T.Y. BSC

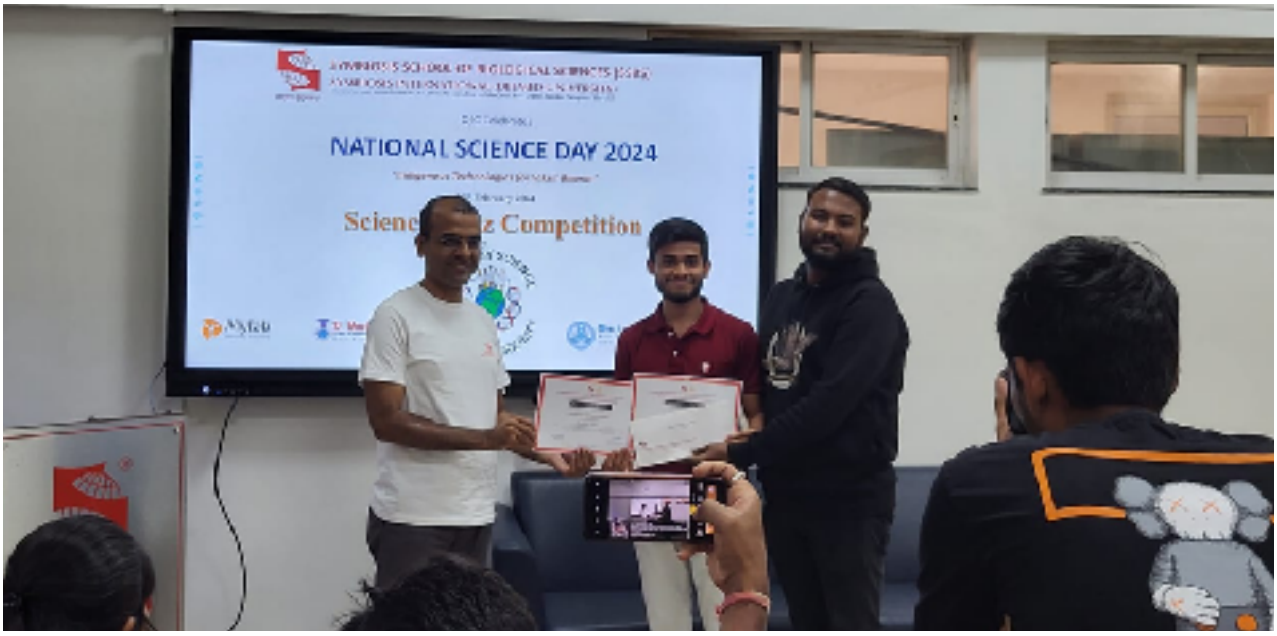
PARTHO DAS

-1st Prize intercollegiate quiz (IRSHA) 2023

-1st prize science quiz 2023 symbiosis (SSBS)

-1st Prize Quiz (Youth Festival) 2023

-1st Prize science quiz 2024 Symbiosis (SSBS)



ACHIEVEMENTS

T.Y. BSC

RAJESHWARI.GORAKH.SHINDE

-West Zone Handball Nationals 2023-24 held at Udaipur.

-West Zone Basketball Nationals 2023-24 held at Gwalior.

ACHIEVEMENTS

T.Y. BSC

SUYASH YEWALE

Intercollegiate Chess
Tournament WINNER
He won 9 matches consecutively

ACHIEVEMENTS

S.Y. BSC

PRASHAM SHAH

1st Prize science
quiz 2024
Symbiosis (SSBS)

Saniya Kansara (SY)
Mariya Shehzad (SY)
Shruti Renge (MSC2)

Intercollegiate TT
tournament
2nd place

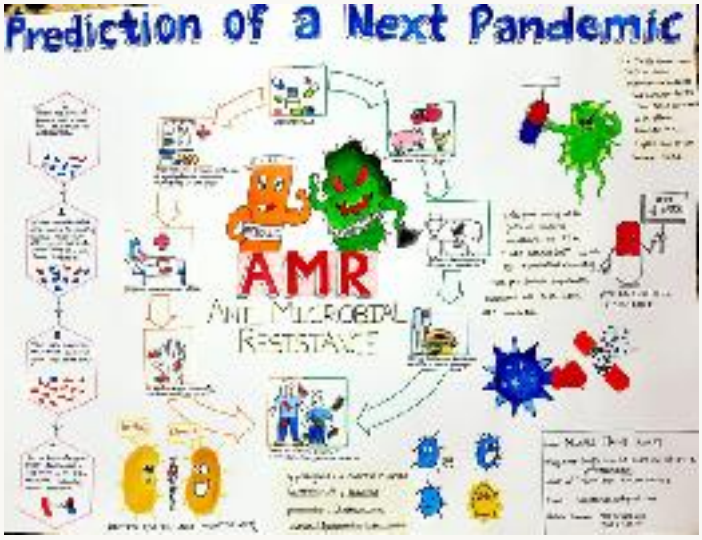
ACHIEVEMENTS

S.Y. BSC

MANALI KAMAT

Department of Microbiology
Government Institute of Science, Chhatrapati Sambhajinagar
22nd National Level Microbiolympiad

10 WINNERS OF MICROBIOCANVAS
(A theme based painting competition)



Secured 9th position in a MICROBIOCANVAS competition

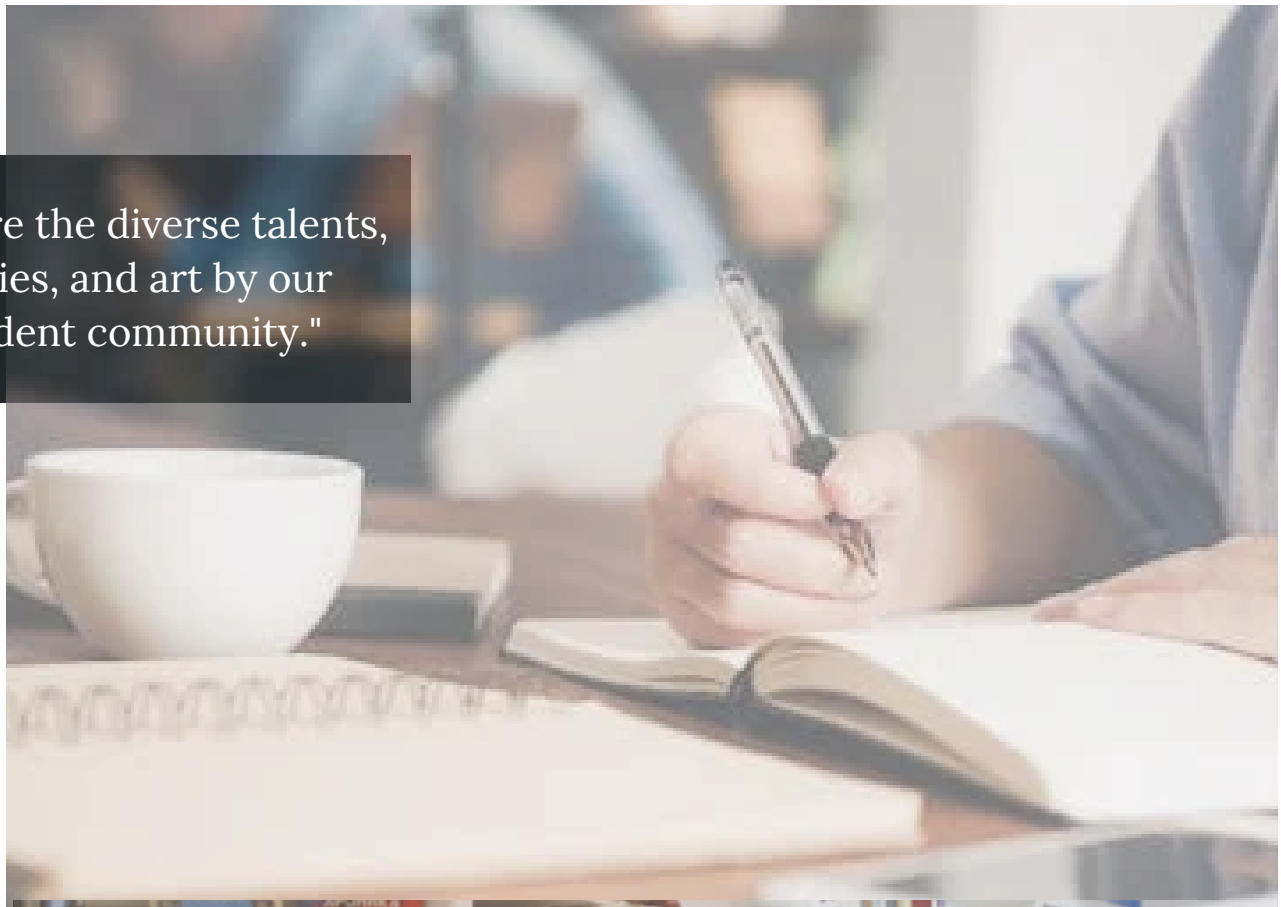
S.Y. BSC

AKSHATHA SAGAM

Among top 1% in Swayam NPTEL with Elite+ Gold Certificate and 91 percentile

STUDENTS CONTENT

"Explore the diverse talents, stories, and art by our student community."



STUDENT CONTENT

THE DUAL OF LIFE

Every morning I spent a moment observing birds in my garden hovering over different flowers and feeding on nectar. But, one day to my surprise, I found a female Purple rumped sunbird (PRS) picking up the silk from spider web and knitting a nest for its brood in the front yard

Unlike the other birds who often avoid human interactions, this pair of PRS seemed brave and furious enough to build its nest just in front of the main door where maximum disturbance would have been caused.

The female PRS was the only true mason engaged in nest building whereas the male just accompanied the female while collecting the nesting material and it was male who returned back to the nesting site first to check the safety and signalling to his partner by giving a call. The nesting material included coconut fibres, thin strands of plastic, spider web, small soil particles, lichen and at last the inner bed was made with soft silk for the incubation of eggs and further to keep the hatchlings warm and cozy.

It took almost 15-18 days for her to build a perfect, fine, oval shaped nest for three (i.e., for herself to incubate, and 2 chicks). Once the eggs were laid it was time for her to take a breather until the eggs hatched into chirping chicks after days of incubation.

As the chicks emerged from the eggs, both the parents were in action, engaged in search of food, shuttling between the food source and the nest.

It is a known fact that proteins are very essential for the development of the body. And PRS being nectar feeders, sometimes hunt spiders and insects as well. However, they rely on spiders and other insects since they are a good pack of nutrition and protein for young developing chicks.

Finally, after all these efforts, the young chicks were fully grown and fit to leave the nest. But first they had to learn how to use their wings to fly. Again, here came the role of parents as teachers. They performed some actions like hopping and flapping the wings to demonstrate the function of wings. The tiny chicks hopped from one branch to another, flapping their wings.

After a few trials the chicks were all set to be on their own to find food, water, shelter, mate, nesting site and finally parenting.

Indeed, short but inspiring.

PS: All the data is based on my observation and documentation was made with the help of a DSLR camera and a CCTV camera. Throughout the period the nest was undisturbed and was observed from a distance.

Picture credits: Aditya Lad

ADITYA LAD

MSc. Bioinformatics

STUDENT CONTENT

STARLIGHT

Seven years, that's how long I've known her. She was my classmate; I never thought I would ever meet her again after transferring to another school. But one day, a year after I left the school, I saw her. Looking as beautiful as ever, she was still her charming self and making everyone smile. I didn't realize I was staring at her until she waved at me with her ohɯso-gorgeous smile. Since that day, I spent most of my time talking to her. Every time I was around her, she made me feel at home. I would stare at her pictures for hours and reminiscing every moment that we have spent together. I wanted to ask her out so badly, but every time I would build up the courage to do that, the fear of rejection would kick in, and I was not ready to bear that pain again.

It was my birthday, and I am sitting in my room with my best friend. We watched movies, played games, and discussed all the stupid things we have done in the past. In front of me, this human is my second half, and being the silly "wingman" my friend is, he forced me to call her. She didn't know it is my birthday today; no one knew. It wasn't because of a cliché backstory, and it was a choice made by me. I didn't like to celebrate my birthday. My friend was

practically shoving the phone inside my throat after dialling her number, and I guess I don't have any choice except to tell her about my birthday. The phone was ringing, my anxiety wanted me to cut the call, and just as I was about to throw the phone across the room, I heard that sweet voice.

"Hello!?"

"Hey, what are you doing?" (While I was shivering for no reason)

"Nothing much. Just the usual."

"oh...ok"

and then I went silent. How could my friend think it was so easy to tell her that? I couldn't just call her and say, "Hey, what are you doing? I just called to say that today is my birthday, just in case you were wondering". I don't know what to

say, and I should've never called. Now it was a weird phone call with four sentences of chat and an infinite amount of awkward silence.

She was the one to break the silence.

"What happened!? Why did the line go silent? Is there something wrong!?"

"No! No, nothing is wrong. I just wanted to tell you something."

after a long silence and 16 seconds of an imaginary pep talk, I finally gathered the courage and blurted out,

"Today is my birthday."

and suddenly, all I could hear was a long angry speech from someone I never thought was capable of rage

"What!? And you never thought you should've told me. I'm so mad at you. Now tell me, what do you want as your birthday gift!?"

I chuckled at that "well, I'm not much into gifts, but you always talk about stars as if they hold the truth of the universe.

So, would you like to go stargazing with me tonight?"The line went silent again. She said nothing for a few moments. It was at this moment that I realized I might have blown up my chances. Why would she agree anyway? But then I heard that beautiful laugh, the one which makes me want to pause the moment and spend the rest of the eternity listening to her voice

"I would love to! My place at 8? My terrace would give us a perfect view of stars."

Every inch of my body was buzzing with happiness, except that small part, which was still afraid of rejection. I did not

want to ruin this like before. Especially not on my birthday. Telling her about my feelings was a high risk that I wasn't

willing to take. But I decided to worry about that later. Right now, I was waiting for the clock to strike 8. I went to her house and rang the bell. A moment later, she opened the door. She looked graceful in her favourite blue dress; her hair let down freely on her shoulder. How can someone be so mesmerizing? She wished me again and then

asked me to follow her to her terrace. After seeing her terrace, there was a series of emotions flowing through me. There is a picnic blanket lying on the ground, with pillows and Christmas lights. There were two cups and a small cake placed beside the blanket.

"I made it for you."

what!? She did all this for me!? What if.... maybe she likes me too? But making assumptions was one of the many things I didn't want to do right now. We sat on the blanket, gazing at the stars. Her eyes were filled with adoration, the way that smile lit up with just one

glance at the stars; I couldn't resist but ask.

"Why do you like stars so much!?"

"You will know, but first, I wanna tell you a secret. i..."

the moment those words escaped from her mouth, everything around me slowed down. I could hear my heart

thumping. It felt surreal; for a moment, I thought it was a dream, so much so that I wanted to pinch myself, but then she

held my hand and locked her eyes with mine and said

"I love you."

I couldn't stop my tears from running down my cheeks, not because of what she said. But because her face started to

glow. Her whole body was glowing, like an angel, and then it struck me; she was shining brightly! Like a star herself! Her

face was blurry, but I could see her feature soften. I thought I would feel blazing heat where her hand touched mine, but

all I could feel was her warmth. And then her glow slowly faded, and she was her usual self again.

"You....you are a star"

We were on a terrace, but still, I could feel the walls closing in on me. I wasn't ready to accept that. I can't lose her from my memory; I can't. I fell on my knees crying, begging her not to take away the only precious thing of her that will be left with me after two weeks. She kneeled in front of me and hugged me; I have never felt such energy radiating from someone else. She continued,

"the only person who would have made a special bond with me will not lose their memory. And in my one-year stay, I couldn't find anyone other than you. You are the most selfless being I have ever met. You are this kind and sweet human. No one has ever made me feel loved the way you do." I still couldn't stop sobbing. She held me tight in her arms, not letting go of me even for a second. I didn't realize when we lay down on the blanket and fell asleep. When I woke up the other day, I felt like it was the best sleep of my life .She was sleeping snuggled against me. Her hand was holding the front of my shirt in her fist and her head on my chest. I

was running my hand through her soft hair. I always wondered how it would feel to touch her hair, to run my hands through them and to tuck a strand behind her ear. I couldn't believe she was right here, lying beside me, holding me close. I was admiring her when she stirred in her sleep. She slowly opened her eyes with a small smile that made me melt right there.

that was the only possible explanation I could come up with, technically it wasn't possible, but I couldn't think of anything else to tell her. She smiled and replied, "I am. I always watched humans from up there. I wanted to know how it would feel to be one of them, to fall in love with them. You made me feel love for the first time". I couldn't speak, so I did what the only thing I

could've done to tell her what I felt was. I gently cupped her face and placed a sweet kiss on her mouth. It was warm, soft, and sweet. It was everything I imagined kissing her would feel like. That was the moment when it finally registered that she was starlight, my starlight.

She suddenly moved away, and her smile fell; a million worries crossed my mind. But before my overthinking could escalate, she spoke "I cannot stay for too long. I was allowed to stay here, only for a year. And it will be over in two weeks. "After listening to this, I couldn't control the series of words that left my mouth. I couldn't hold myself in any more, I spoke up

"then spend it with me. All of it, let's live forever in our two weeks" she smiled and kissed me again softly. I will never get over the feeling of kissing her. She broke the kiss and said "There is another thing, the seven-year-old memory that you have of me is an illusion. You have known me only for a year. "I was ready to accept everything, but this was too much. She was never my classmate. I never knew her before last year. All the memories that I have of her are just an illusion. "and..." she continued, "every created memory of mine will be erased from the mortal soul once I become a star again!." I could feel my throat clogging in. .

"Good morning," she said in her sleepy voice. At that moment, nothing else mattered except her and I knew that I had fallen for her.

"one year or seven years, it doesn't matter. It feels like I've known you for eternity."

"We are made of the same stardust, my love."

I didn't know if she meant it literally, but I could have believed everything she said right now. I finally decided to ask her the question that has been nagging me since she told me everything.

"About the thing, you said yesterday about having a special bond, does it mean I'll still remember you after you are gone. Would you be allowed to come and visit" after a slight pause, she continued" I meant you could come with me." hope-filled inside me. I couldn't hold in my excitement and asked her, "what? Where?" amused by my excitement, she replied

"where stars live, in the sky. You could meet all my friends. They are all-stars, obviously" she said while chuckling, probably remembering her friends "though they don't like humans very much, "she said with a cute nose scrunch "but that won't be a problem once you become a star."

I was perplexed. Is that even possible.?

"A star?"

"Yes, and then we could be together forever", she added.

But then a sudden thought struck me,

"but doesn't that mean that I have to leave my life on earth? Leave everything?"

"I know. That's why we are not going to discuss this right now. You don't have to make a decision right now. We still have two weeks."

The following two weeks were the best time of my life. We did all the things she dreamt of doing before she became a human. We travelled to places and talked for hours on end. It was like a dream, her being the first thing I see when I wake up and her kisses being the last thing I feel before I sleep.

As the final day approached, I knew it was time for me to tell her my final decision.

She was sitting right aside from me and looking at me with those deep eyes, waiting for my decision. I knew what I had to do, but every time I looked at her, all I wanted was to hug her and never let go. But I couldn't do that, so I finally started speaking,

"I've decided I'm going to stay. Being human, experiencing the things this world has to offer, this mortal life, its all a gift, and I don't feel like I should give up already".I couldn't look her in the eye. Not because she would be angry or anything. She loved me, and I know she'll always support my decision I make. That's what love is, being selfless for the one you love, and I'll never forget that she was the one to teach me that, but I can't leave my life on earth. I couldn't give up on life so early. I haven't lived my life, and there's so much to do, so many stories to make, and so many people to meet. Everything she told me about the realm felt so lonely. I held her hand one last time and said "I love you. We are connected you and me. I'll see you in my next life, or I'll join you up there after I die. I'll always be there for you, but I have to stay. "I think I was crying, and she was too.

"I understand. Just know that I'll always love you, no matter what. I wish I could stay. I wish we had more time."

That was the last thing she said before she turned into stardust and joined the other stars in the sky.

So it's been a year since then. Every night I lay on my terrace and stare at the star, my star!

by Sourav

SOURAV SWAIN

MSC

BIO-INFORMATICS

STUDENT CONTENT

SOHEL MULLA
T.Y.BSC

"Safar bhi roz ka hain
aur jaana bhi kahi nahi"

SHRAVANI KULKARNI

EVERYONE'S LIFE IS FILLED WITH STORIES.

“Everyone has a story to tell,” was coined by Frank McCourt, who continued the phrase with, “All you have to do is write it. But it's not that easy."

Well, everyone's perception of life is so diverse, and that's ok because everyone's is unique here. I think if we are all just similar, like an exact copy with a mindset of no uniqueness, the world look quite weird? Today's uniqueness depends on everyone's uniqueness. Each story matters on our tiny planet, no matter how small you think it may be. Which made our planet a better and more beautiful place.

Life is frigid and difficult for everybody else here. But, I think, such difficulties make a difference, and again, we can see the story was created by the once-glory of struggles. Actually, it's a simple interconnected chain, I guess. Simply put, struggles = uniqueness = stories.

If we start believing in such a perception of the world, you will understand how many stories are still untold here. Writers are no different than any other human being. They are simply able to convert their thoughts into words and create stories from people, events, and imagination. What is the importance of such stories? You think! As social beings, humans are connected to each other, and we gain empathy and inspiration when telling stories to each other. Even if you think your story doesn't matter, don't lose hope and share it freely. Because somehow, somewhere, it will make an impact. There is always someone who admires your story.

Conclusion:

The world is full of stories. Just take the courage with a curious mind and create one that you find interesting.

SIDDHANT NARTAM
F.Y.BSC

STUDENT CONTENT

CANCER IMMUNOTHERAPY

Cancer immunotherapy revolutionizes cancer treatment by leveraging the body's immune system to combat malignancies. This innovative approach, comprising immune checkpoint inhibitors, adoptive cell transfer, and therapeutic vaccines, has shown remarkable success in various cancers. Immune checkpoint inhibitors, such as PD-1/PD-L1 blockers, unleash immune responses suppressed by cancer cells. Adoptive cell transfer involves augmenting T-cell activity, yielding impressive results in hematologic malignancies. Additionally, therapeutic vaccines stimulate the immune system to recognize and attack cancer cells. Despite notable achievements, challenges like resistance and adverse effects persist. Ongoing research aims to enhance efficacy and broaden applicability, fostering optimism for the continued advancement of cancer immunotherapy.

PRANJAL SALUNKHE
F.Y.BSC
“A review on cancer immunotherapy”

SHRADDHA CHAUDHARY
F.Y.BSC
"Shraddha’s Anime Art"

PRATHAM SONONE
S.Y.BSC
“A Terrarium”

STUDENT CONTENT

कुंती चा रे पुत्र तू , अंश सूर्यदेव चा
बुद्धिमान शिष्य तू भगवान परशुरामाचा
सुवर्ण तुझे रूप ते , सर्व श्रेष्ठ तू धनुर्धर
दानविर वृत्ती तुझी , जिव्हे वर धर्म स्वर
क्षत्रिय असूनी तू सूतपुत्र राहिलास
या सर्व अधर्मीयांमध्ये तू कोणता धर्म पाहिलास
दुर्योधनाचा मित्र तू एकनिष्ठेत वाहीलास
पांडवांचा ज्येष्ठ तू सदा लपून राहिलास
अंततः तुझा धर्म तू थक्क होऊन पाहिलास
अंग देशाचा राजा तू , कर्ण बनून राहिलास
तू कर्ण बनून राहिलास....

कुंती चा कर्ण तू , राधेय राधे चा
अद्वितीय योद्धा तू कालजेय गाथेचा
साक्षात इंद्रदेव, आला तुझा चरणाशी
असून समोर वासुदेव न भ्यायलास मरणाशी
सारे पाप संडीलेस म्हणुनी वैष्या द्रौपदी ला
सर्व धर्म त्यागीलेस बोलता त्या क्षणीला
कर्म - धर्म - ज्ञान घेऊन मुक्तीला तू पावलास
अंग देशाचा राजा तू , कर्ण बनून राहिलास
तू कर्ण बनून राहिलास...

अथर्व गाभणे

ATHARVA GABHANE
S.Y.BSC

BATUL
F.Y.BSC
“ The View”

Idealism andrealism.

When the whole world
wants you to be realistic,
They say,
there's no point. in being
idealistic.
They trap your brain, - chop
and chew
every single vein.
They want to mould you,
shift you to how they
choose Yate ate)(eI\el0 am |
But they don't know,
the branches of idealism
grow, determines as to,
whos the.friend and whos
the foe.
me)e010) A
dayesmdaUdnme-lanr-
liamelaleal-lalelsr-19)(om
Sui me)alcmer\VA
I'll be the one they fear,
and call untameable.

MANYA SACHDEVA
F.Y.BSC

STUDENT CONTENT

सुकून

मैं समझूं न जैसे मासूम बन गया,

अब होती नहीं बातें लगे मन भर गय |

लोग पूछे मुझे रेहना क्यों अकेला,

यह अकेलापन अब तो सुकून बन गया |

तू जैसे मक़तूब लिखी मेरी न किताबों में,

ज़ुल्फ़ों से खेलू तेरे बस मेरे ख्वाबों में,

माना की आया तेरे बहुत करीब,

मुझपे है इल्ज़ाम नहीं खोट इन इरादों में

काफ़ी कोशिश एक तरफ़ा ही रहा,

मुँह बंद काम मैं करता ही रहा |

उस रात मैं खुदको संभाला,

गायब दुनियाँ से मैं तड़पता ही रहा |

SOURAV SWAIN
MSC BIOINFORMATICS

ABHIJITHA
S.Y.BSC
Painting showcase

PRASANNA DESHMUKH
F.Y.BSC
Photography portfolio

STUDENT CONTENT

THE MYSTERIES OF THE UNKOWN

Life science research in India has witnessed a remarkable surge in recent years,earlier not being known by too many for its wonders. From decoding the intricacies of our genetic makeup to pioneering innovations in medical treatments, Indian scientists have been at the forefront of groundbreaking discoveries. In this article, we embark on a journey to explore the fascinating world of Indian life science research, unraveling the complexities of ourselves.

Let's start by defining the science of living or simply life science succinctly, 'Life always happens.' It is a vast and intricate field that explores the various forms and processes of life. No matter where you go, you will see some form of life exist. life can be described in various forms, it can be as little as the formation of cells or can be the entire process of changes between birth and death. And within this period you have an entire cosmos of reactions unknown to you, microorganisms living within you, secretion of hormones to make you feel a certain kind of way, happening inside you every second, without your knowledge. Or to say an intricate dance of processes unfolds every second, often unnoticed by our conscious minds. The brain plays an active role in exercising every process inside of you.

Genomic research has been a cornerstone of life science endeavors in India, with institutions like the Indian Institute of Genomics and Integrative Biology (IGIB) and the Centre for Cellular and Molecular Biology (CCMB) leading the charge. These institutions have played pivotal roles in deciphering the human genome, paving the way for a deeper understanding of genetic diseases and personalized medicine.One notable achievement comes from the Human Genome Variation Project (HGVP), a collaborative effort involving Indian researchers. By analyzing the genetic variations in diverse populations across the country, scientists have contributed valuable insights into the genetic diversity that makes India a microcosm of humanity.

This information has farıreaching implications for the development of region-specific medical treatments and the identification of genetic markers for various diseases.

Stem cell research holds immense promise for regenerative medicine, and Indian scientists have been actively exploring its potential applications. Institutions like the Stem Cell Research Center at the All India Institute of Medical Sciences (AIIMS) have been at the forefront of conducting groundbreaking research in this field.Stem cell therapy is being explored as a potential treatment for a range of conditions, from neurological disorders to degenerative diseases. By harnessing the regenerative capabilities of stem cells, Indian researchers aim to revolutionize medical treatments and provide hope for patients with currently incurable conditions.

Apart from making us understand the convulation of the genome, India plays a leading role in developing the cure to various diseases, having faced its fair share of challenges when it comes to infectious diseases, with a dense population and diverse environments providing fertile grounds for the spread of pathogens. Life scientists in the country have been actively involved in studying infectious diseases, devising strategies for prevention, and developing novel treatments.

National Institute of Virology (NIV) has been instrumental in studying viruses and combating outbreaks

. During the COVIDn19 pandemic, Indian researchers were at the forefront of developing diagnostic kits,

conducting serological surveys, and contributing to the global understanding of the virus. Their efforts not only helped in managing the crisis within the country but also added valuable data to the global scientific community's knowledge base. The question often arises, how do we use our brains to it's maximum capacity? Well realistically speaking, using all of our brain's capacity is not easy. But not to forget, the brain is a muscle. They say the brain is an ever-adaptable tool. The more you work on strengthening it, the better it will work. A much talked about concept in the field of neuroscience is that of NEUROPLASTICITY.

What is neuroplasticity? To simply put it, is

the brain's ability to change and adapt due to experience. It is an umbrella term referring to the brain's ability to change, reorganize, or grow neural networks. Or it is the ability of the brain to rewire itself and understand alien concepts. The memory never fades. Memories persist and are merely shifted to less frequented corners of the brain as new areas take precedence. As a child, the brain's creative part is extensively in use. As you grow older, you are expected to make decisions, understand difficult concepts, think about the outcomes, and what not. Hence naturally the logical, rational and analytical part of your brain is heightened and emphasized. And so by training the brain these lost memories are revived. This thereby results in a higher cognitive profile.

Biotechnology is another realm where Indian life scientists have made significant strides. The Indian Council of Agricultural Research (ICAR) has been actively involved in agricultural biotechnology, aiming to enhance crop yields, develop pest-resistant varieties, and ensure food security. The adoption of genetically modified (GM) crops, such as Bt cotton, has showcased the potential of biotechnological interventions in addressing agricultural challenges.In the healthcare sector, biotechnology has paved the way for the development of innovative drugs and therapies. India's pharmaceutical industry has gained recognition for its prowess in biopharmaceuticals, producing biosimilars and cutting-edge treatments for various diseases. The ability to manufacture high-quality biologics at a lower cost has positioned India as a key player in the global biotech landscape.Life science research in India extends beyond human health to encompass the broader environment. With growing concerns about climate change and biodiversity loss, Indian scientists are actively engaged in environmental biotechnology and conservation efforts.

While celebrating the achievements of Indian life science research, it's crucial to acknowledge the challenges that researchers face. Limited funding, infrastructure constraints, and the need for interdisciplinary collaboration are hurdles that must be addressed to sustain the momentum of scientific progress.However, amidst these challenges lie immense opportunities. The Indian government's initiatives, such as the National Biotechnology Development Strategy, aim to provide a conducive environment for research and development in the life sciences. Collaborations between academia, industry, and international research institutions further amplify the potential for transformative discoveries.

Indian life science research has evolved into a vibrant tapestry of discoveries, innovations, and contributions to global scientific knowledge. From decoding the human genome to developing cutting-edge biotechnological solutions, Indian scientists have left an indelible mark on the world stage.As we look ahead, fostering a supportive ecosystem for research, investing in infrastructure, and encouraging interdisciplinary collaboration will be crucial to unlocking the full potential of Indian life science endeavors. By continuing to unravel the mysteries of not just the microscopic world but also excelling in fields such as biotechnology, genomics, neuroscience, Indian researchers are not only shaping the future of healthcare and biotechnology but also contributing to the broader tapestry of human knowledge

ISHITA BADOLA
S.Y.BSC

NISHIGANDHA TAYADE
T.YBSC

Photography portfolio

Title: "Cracking the Code: Hilarious Realities Behind College Student Stereotypes"

Welcome to the rollercoaster ride that is college life, where bedtime is negotiable, and caffeine is our unofficial mascot. Join me as we peel back the layers of those student stereotypes and find the comedy hidden in the chaos.

—

1. The Night Owl Saga

Rumor has it, we morph into nocturnal beings, thriving in late-night study sessions and conducting snack heists after midnight. The truth? Well, some of us might pull all-nighters, while others call it a day before the infomercials become surprisingly intriguing.

Reality Check: Not everyone's a night owl; some of us prefer to tackle assignments with the sunrise, armed with coffee and the hope that the campus squirrels are still half-asleep.

2. Caffeine Chronicles

You've probably heard the gossip about students drowning in coffee, treating it like a magical elixir. But let's spill the real tea – caffeine comes in various disguises. Some swear by coffee, some sip tea, and then there are the rebels with their water bottles held high.

Reality Check: Not everyone's a coffee connoisseur; some of us like to keep it herbal, and there's always that one friend who insists on staying hydrated.

3. The Ramen Rendezvous

According to the ancient scrolls, we survive solely on instant ramen, and the scent of boiling noodles is a rite of passage. Well, while ramen is a budget-friendly delight, we also dabble in the dark arts of microwaveable meals and the occasional attempt at cooking gourmet masterpieces.

Reality Check: Forget ramen; some of us have discovered the wonders of a well-cooked frozen pizza or the simplicity of a peanut butter and jelly sandwich.

NANCY
F.Y.BSc

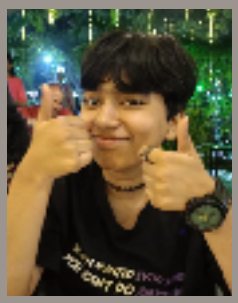
If it was just the two of us
in this world..... would you
look at me then ?

I admire you from afar
Afraid I might want more
than just a sweet glance !

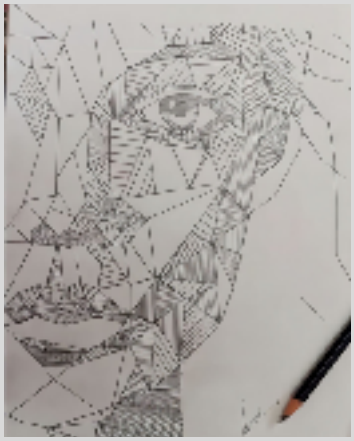
If I simply conquered a
chance
I would give you more than
just a clasp!

And if I were to give you a
peck
Would you be so kind to
accept it with a serene face

Like stars wait for sun to
rise
I'm here waiting for our
love to bliss!



NUPUR AWEKAR
F.Y.BSC



MANSI KALSE
S.Y.BSC
Drawing showcase

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“Thank you for your countless hours of efforts and unwavering commitment. It has been a pleasure working with each and every one of you, and I am so proud of what we have accomplished together.

-DIVYA PATEL (T.Y)

CREDITS

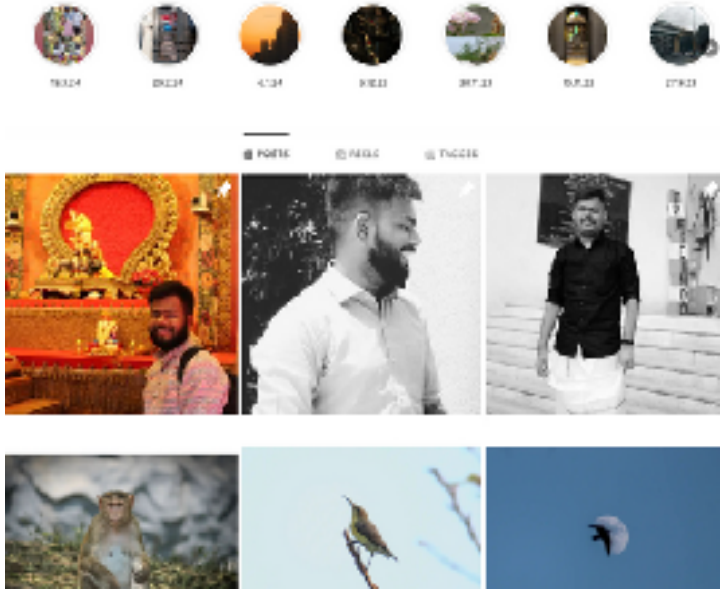
I wanted to take a moment to express my heartfelt thanks for the incredible work you've done as the photographer for our college magazine. Your talent and dedication have truly brought our stories to life, capturing the essence of our campus community with such skill and artistry.

MARUTI
S.Y.BSC

THANK YOU

INSTAGRAM HANDLE -

@MARUTI SAIDAPUR



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T.Y.BSC

DR. ALPANA MOGHE

WELL DONE STUDENTS !

I am writing to express my heartfelt appreciation for the outstanding work done by the editorial team of our college magazine. Your dedication, creativity, and hard work have truly made this edition a remarkable one.

The magazine's content, layout, and design reflect your commitment to excellence and your passion for showcasing the talent and achievements of our students. Your ability to capture the essence of our college life and present it in such a compelling manner is truly commendable.

I would also like to acknowledge the long hours and effort you have put into this project, often going above and beyond to ensure that every detail is perfect. Your teamwork and collaboration have been exemplary, and it is evident that you have worked seamlessly together to produce a magazine that we can all be proud of.

On behalf of the college faculty and staff, I extend my sincere gratitude to each member of the editorial team for your hard work and dedication. Your contributions have not gone unnoticed .