DEPARTMENT OF BIOSCIENCES

Veer Narmad South Gujarat University

SINCE 1976

Prospectus 2025

CONTACT US

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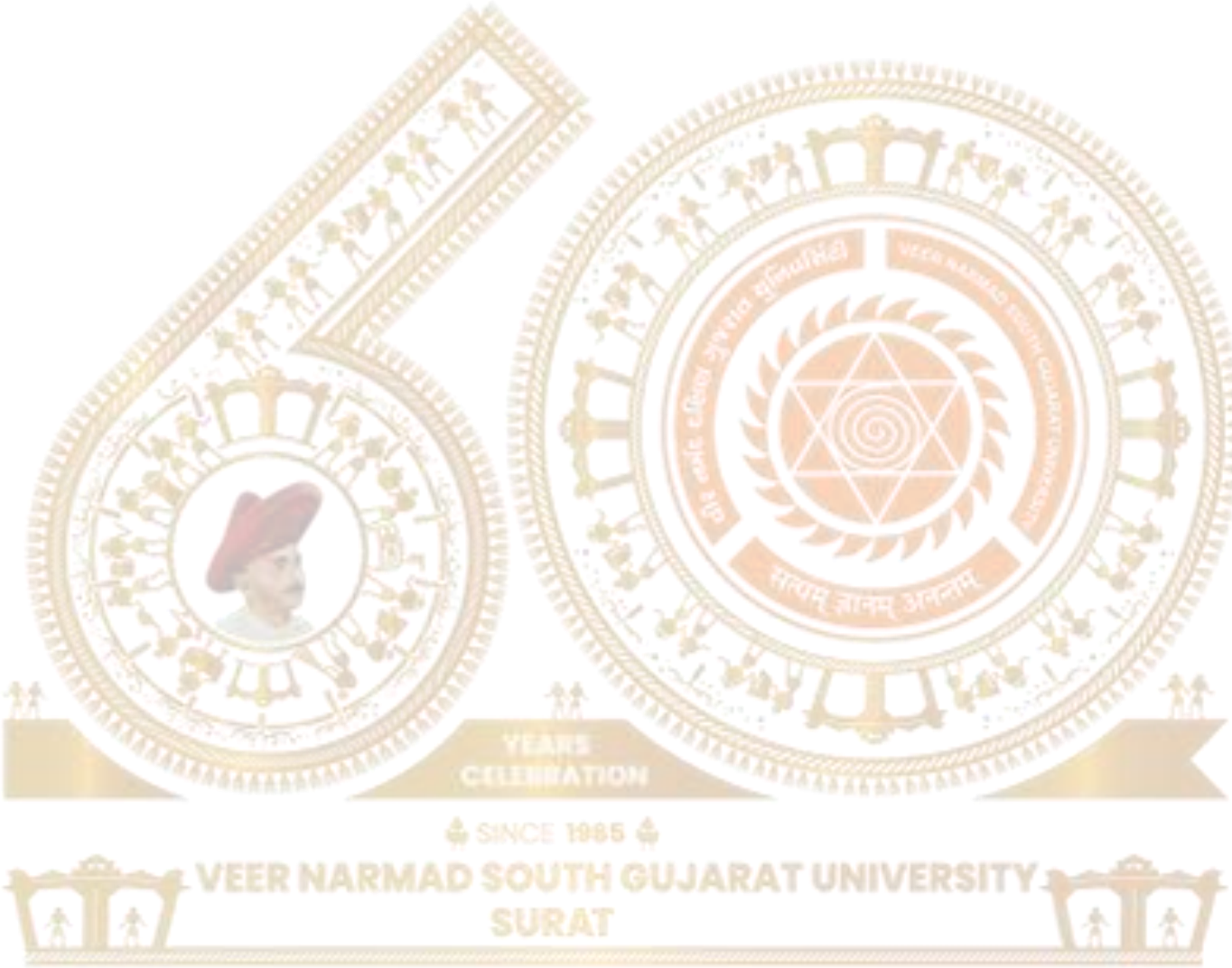


ABOUT THE UNIVERSITY

The university was originally established under the South Gujarat University Act, 1965 passed by the Gujarat State Legislative Assembly. It became functional in the academic year of 1966, incorporated as a university on May 23, 1967, and recognized by the University Grants Commission in 1968. The university was renamed as Veer Narmad South Gujarat University in 2004 after the great Gujarati poet Narmad, Narmadshankar Lalshankar Dave. The University is one of the eleven Public Universities of the state.

VNSGU, located in Surat city, has a campus spread over 210 acres and university's jurisdiction extends to the seven districts of Surat, Navsari, Valsad, Narmada, Dangs, Bharuch, and Tapi and the Union Territory of Daman and Dadra & Nagar Haveli.

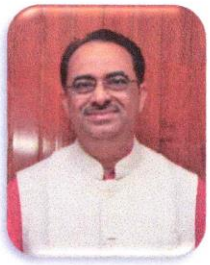
The university has 28 Post Graduate departments/ institute on campus that offers 95 programs with multiple specializations in twelve faculties as Arts, Commerce, Science, Education, Management Studies, Rural Studies, Engineering and Technology, Medicine, Law, Computer Science, Homoeopathic, and Architecture. Departments offers Ph. D., Post Graduate, Graduate, PG Diploma, and Certificate programmes on campus.

The university has been re-accredited 'B++' grade with a 2.86 CGPA by the National Accreditation and Assessment Council (NAAC) in 2023 and rated Four Star (3.01 CGPA) in GSIRF (Gujarat State Institutional Rating Framework in 2022. The university has endeavoured to be an institution of excellence in higher education since its establishment, keeping in view the regional needs and to meet the challenges of the 21st century India and emerging trends in the global scenario.

ABOUT THE DEPARTMENT

Department of Biosciences (UGC-SAP DRS-II & DST-FIST-I) is a premier academic and research institute of the South Gujarat region in the field of life sciences established under the developmental grants of UGC during the IV Five-year plan in 1976. The department offers M.Sc., Ph. D. courses in Biosciences with specialization in Botany, Zoology, and Microbiology. The department also runs P.G. Diploma in Medical Laboratory Technology (PGDMLT). More than 140 Ph. D. students have been passed out since the establishment of the department. The department has completed several research projects funded by State, National, and international funding agencies. The department has MoU with many National and international institutes and organizations. The students' emigration into the foreign country indicates our global acceptance. The department is well-equipped with sophisticated instruments to research in the identified areas of life sciences. The department is having Bioinformatics lab and a Supercomputer facility. In 2021 ICMR approved Covid -19 RTPCR laboratory was also established at the department through which department arouse social consciousness of the students by providing them opportunities to work with and among the people and to develop capacity to meet emergencies and utilize their knowledge in finding practical solution to individual and community problems. The department has also comprehensively developed the core research facility in the Microbiome, Bioinformatics, Eco genomics, Animal Cell culture, Environmental Toxicology, Floral and faunal diversity, Medicinal Plant, Drug Discovery, Sustainable environment etc. and interdisciplinary and multidisciplinary research as well. Department also organises various co-curricular ad extracurricular activities to bring social skills, intellectual skills, moral values, personality progress and character appeal in student, thus overall growth of the students.

Dr. Kishorsinh N. Chavda
Vice Chancellor



From the Desk of Honourable Vice Chancellor

We welcome young minds to the Department of Biosciences at Veer Narmad South Gujarat University. At Department of Biosciences, we are committed to fostering a vibrant academic environment where innovation, exploration and collaboration thrive. As a student here, you will have access to advanced facility, top faculty and a curriculum designed to equip you with the knowledge and skills necessary to excel in the dynamic field of Biosciences.

Our dedicated faculty members are not only experts in their respective fields but also passionate educators who are deeply invested in your success. Through their mentorship and guidance, you will have the opportunity to engage in cutting-edge research, participate in experiential learning opportunities and contribute to advancements in various branches of Biosciences.

Whether your interests lie in botany, zoology, microbiology or any other aspect of Biosciences, our department offers a diverse range of programs and specializations to cater your academic and professional aspirations.

Moreover, beyond the classroom, you will find a diverse range of extracurricular activities, student organizations and community engagement initiatives that will enrich your overall university experience and help you develop into well-rounded individuals poised to make a positive impact on society.

As you embark on this exciting journey with us, I encourage you to embrace every opportunity for learning, growth and discovery. Remember, the Department of Biosciences at Veer Narmad South Gujarat University is not just a place to earn a degree - it is a community where lifelong connections are forged and dreams are realized.

Welcome to Department of Biosciences, VNSGU!

Dr. Kishorsinh N. Chavda
Vice Chancellor
Veer Narmad South Gujarat University

FROM THE DESK OF RESPECTED REGISTRAR

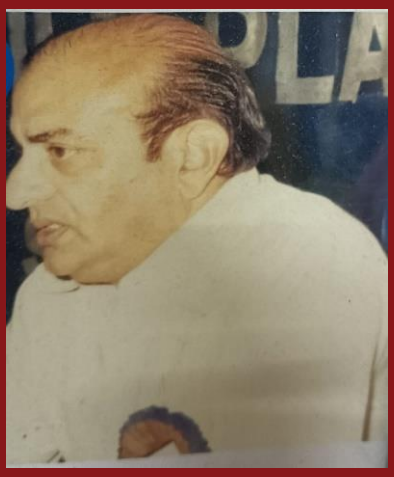
The Department of Biosciences stands as a beacon of academic excellence and innovation within our esteemed university. With a rich tradition of scholarly achievements and ground- breaking research, the department continues to make significant contributions to the field of Biosciences and beyond.

The Department of Biosciences prides itself on its commitment to fostering an environment that nurtures intellectual curiosity, critical thinking and collaborative spirit. Through our diverse range of academic programs, facilities and dedicated faculty members, we strive to provide our students with all-round educational experience that prepares them for success in their chosen fields.

As members of the Department of Biosciences, you are part of a vibrant and dynamic community that is dedicated to pushing the boundaries of scientific inquiry and making meaningful contributions to society. I encourage each of you to seize the opportunities that await you here, whether it be through engaging in cutting-edge research, participating in experiential learning opportunities or contributing to the vibrant campus life.

Welcome to Department of Biosciences, VNSGU!

Dr. R. C. Gadhvi,
Registrar
Veer Narmad South Gujarat University



Late Dr. B. S Vaidhya M.Sc. , Ph.D Botany (01/01/1978- to 14/11/1989)

ON THE BEHALF OF FORMER HOD

Professor B. S. Vaidhya, a visionary leader, joined our university on January 1st, 1978, demonstrating his dedication as the University even worked on a Sunday to facilitate his arrival. As both a professor and department head, he exhibited proactive dedication, frequently engaging with us to envision the department's future. His remarkable vision and versatile expertise, particularly in algae, transcended narrow subject boundaries, ensuring the department's growth.

Professor Vaidhya's leadership was characterized by democracy and a genuine concern for his colleagues' welfare. He played a pivotal role in founding the South Gujarat University Teacher's Association (SOGUTA), fostering a culture of participation and engagement among faculty members. Under his guidance, our department flourished, hosting summer institutes, conferences, and workshops, with unwavering support for academic endeavors.

Beyond academia, Professor Vaidhya's influence extended to institutional development, contributing to the establishment of the Aquatic Biology Department and nurturing the Computer Science Department in its infancy. His legacy endures through his impactful leadership, which continues to inspire generations of students and educators alike.

Dr. Pankaj K Hiradhar
M.Sc. , Ph.D Zoology
(15/12/1989 to 30/11/2005)

FROM THE DESK OF FORMER HOD

Last quarter of the 20th century was marked by a plethora of transformative changes on various fronts including in geo-political scenario. On the higher education front, South Gujarat saw the establishment of a brand-new affiliating University with a campus designed to house several innovative post graduate departments alongside conventional ones in Pure Sciences, Humanities and Social Sciences. Biosciences has been the front runner ever since.

Integrating and diversifying the traditional curricula and incorporating global trends in life science education adopted universally, has been the mission. Animal and plant sciences streams were initiated with an intake of 10 students. Within a couple of years Microbial sciences was added and the number of students doubled. Simultaneously M.Phil and PhD. Programs were also undertaken at the behest of respective faculty members with their areas of interest and involvement not losing the sight of the integrative ethos of the Biosciences.

A distinctive feature of PG programs was individual research project spread over two semesters in lieu of conventional laboratory exercises which prepared students for future research career as well as oriented them with organized thought process and Implementation as an important life skill. The syllabus were so designed that students were suitably oriented to appear for national competitive examinations such as UGC-CSIR NET.

Simultaneously, individual faculty members were encouraged participate in national and international programs, scientific meets and also avail fellowships abroad to further their careers and return with invaluable experience to plough hack into the existing programs.

Today we have come a long way from 10 students to in excess of 300 students presenting around the clock vibrant academic environment. Infrastructure enhancement has more than doubled the working space with state-of-the-art laboratories, instrumentation and facilities par excellence. Department is also recognized for its contribution in various scientific and socially relevant activities, short-term courses and research projects.

Having been associated with the Department for over two and a half decades since its Initial years and seen it growing at a smart pace, I congratulate one and all who have made significant contributions to bring the Department where it holds its position today in the state and in the country. I also extend my best wishes that it attains greater heights in coming years as it races towards completion of its golden jubilee. I am certain it will be possible with the youthful enthusiasm of the current band of committed faculty members of the Department.

Dr. Minoo Hiraji Parabia

M.Sc. , Ph.D Botany, D.Litt.(Ayu), F.E.S., F.I.A.T.

01/12/2005 to 14/06/2010

FROM THE DESK OF FORMER HOD

Dear Kailash ben,

I am happy to learn about the steady progress and the positive changes occurring at the department.

Your collective efforts are resulting in quantum change of progress and novel innovations.

Research in biological science can promise the better quality of life to humanity. Only biology can promise sustainable development and renewable resources.

The biological productivity is the real productivity whereas all other products are conversion of one matter into another.

I appeal to you and your team to inculcate in your students the love for nature and zeal to conserve natural resources.

May almighty bless you.

Dr. Pankaj Gadhia

M.Sc., Ph.D. Zoology

15/06/2010 to 14/06/2013

FROM THE DESK OF FORMER HOD

Dr. Pankaj Gadhia served as Professor and Head of the Department of Biosciences. With a focus on Human Cytogenetics, Genetic Toxicology and Radiation Biology, his research was marked by dedication and excellence. Dr. Gadhia made significant contributions to these areas through his pioneering work and numerous published papers. His expertise and commitment to advancing scientific knowledge have left a lasting impact on the field of Biosciences.

No message has been received by him yet.

Dr. Piyush. V. Desai

M.Sc. , Ph.D.
Microbiology

15/06/2013 to 14/06/2015

FROM THE DESK OF FORMER HOD

The Department of Biosciences, VNSGU University Surat was established in 1977 with the merging of Botany, Zoology initially and later with Microbiology Subject in line with the UGC university rationalization policy. The merging of their subjects has indisputably strengthened the various fields of biology and made the department choice for higher education studies in South Gujarat. in Biology. Now it is has become a dept for obtaining PG degree with interdisciplinary approach in accordance with NEP 2020.

The department was headed by professors of various subjects resulting development & strong curriculum and providing proper direction in research in various biological fields.

Currently it is headed by Prof. Dr. Kailash Patel. Under her able leadership and future heads the department will achieve excellence in teaching and research in the field, of biological Sciences. The Contributions of competent faculties in Botany, Zoology and Microbiology will also play vital role in Vibrant scholars.

Dr. Shantilal. K. Tank
M.Sc. , Ph.D Zoology
15/06/2015 to
14/06/2019

FROM THE DESK OF FORMER HOD

It's a great pleasure to write about the bioscience department. My pen will not stop about bioscience because it's not department for me but it's life for me. As I steeped their first bench of students and said tata- bye in 2019 is professor and head. It's full of life and memories with my life for which I need pages to write about bio sciences. First batch in 1978 was10 students and I have ever seen the graph of biosciences always going up and up.

Now under the leadership of our Lakshmi Ji and Saraswati Ji like Dr. Kailash Patel biosciences is flourishing and also contributing for the betterment of society.

I wish it will have name and fame at all levels.

Dr. M. N. Reddy
M.Sc. , Ph.D Botany
15/06/2019 to
14/06/2022

FROM THE DESK OF FORMER HOD

The Department of Biosciences is continually evolving into a hub of cutting-edge research, innovative teaching methodologies, and impactful community engagement. Faculty members of the department renowned for their expertise and dedication, have spearheaded ground-breaking research initiatives, addressing pressing challenges in fields of Botany, Zoology and Microbiology. Moreover, department commitment to fostering a nurturing and inclusive academic environment has empowered generations of students to explore their intellectual curiosity, develop critical thinking skills and emerge as future leaders in their respective fields. Through interdisciplinary collaboration and hands-on experiential learning opportunities, department has endeavoured to cultivate not only scholars but also compassionate and socially responsible citizens.

Beyond the confines of university campus, the Department of Biosciences has actively contributed to the advancement of scientific knowledge and the betterment of society.

As I transition into a new chapter of my academic journey, I am confident that the Department of Biosciences at VNSGU will continue to thrive and uphold its commitment to excellence, integrity and service. I extend my heartfelt gratitude to each member of departmental family for their unwavering dedication, passion and collegiality, which have been the driving force behind department's collective achievements.

May the spirit of inquiry, collaboration and compassion continue to guide the Department of Biosciences as it embarks on new frontiers of discovery and impact. I am immensely proud of our shared accomplishments and deeply grateful for the privilege of serving as the head of this esteemed department.

With warm regards and best wishes for the future.

Dr. Kapila Manoj
M.Sc. , Ph.D. Zoology
Dean, Faculty of Science
(15/06/2022 to 14/10/2022)

FROM THE DESK OF FORMER I/C HOD

At present I am professor and head department of Aquatic Biology, Former I/C head department of Biosciences Dean faculty of Biosciences as a aluminous of department.

I feel very proud to say that I am a former student of this department. I have achieved all my goals by keeping in my mind the guidance of my all-respected teachers of the department.

But I have arrived at my own place.

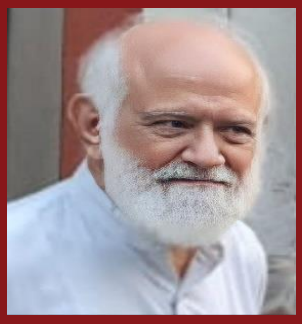
My better half Dr. Manoj is from the same department. My son Ananth Krishna Manoj Menon is studying over here. And he also feels the same as I am. Because the staff members of this department are very loving, caring and cooperative.

I am very thankful to the HOD Dr. Kailash Patel for giving me a chance to express my thoughts and showing her respect towards me. Thank you lord to all the faculty members of this department.

FROM THE DESK OF FORMER PROFESSOR

Dr. Ragothamon Rao

Dr. Ragothamon Rao, a former professor at the Department of Biosciences, served from 1977 to 1991. In 1991, he joined the aquatic biology department of the university.



Dr. Upendra Raval

Dr. Upendra Raval, a former professor at the Department of Biosciences, served from June 16, 1977, to June 30, 1980. With a specialization in zoology, his research delved into the intricate realms of limnology, the study of inland aquatic ecosystems, and the dynamic mechanisms underlying bird flight. Dr. Raval's contributions have enriched our understanding of both aquatic environments and avian biomechanics, leaving a lasting impact on the field of biosciences.

Dr. Yogeshchandra J. Thanki

Biosciences is the study of living organisms and their interaction with their environment. The investigation in biosciences contributes to our understanding of life processes, the conservation of natural resources and the improvement of medical treatment as well as agricultural practices. It plays a crucial role in addressing various global challenges.

I had join this department in the year 1984. My association with this department was longer and remarkable. In those days I had chance to teach sincere , brilliant and enthusiastic students. Many of them have shined out in India or abroad in various positions. I was fortunate to have scholarly colleagues who always helped in my research work. Department had excellent research facilities with Morden instrument. I was happy to use Carl Zeiss Axio A1 Photomicroscope which is rarely found in other Universities. Because of help, care and cooperation of present Head Prof.(Ms.) Kailash Patel, department will be flourished fast.

Best wishes to all staff members and students of biosciences.

Late Dr. Kiran Desai

Dr. Kiran Desai's academic career began in Mumbai then he moved to Gujarat for his Postgraduate and doctoral studies, first to Ahmedabad and then to MS University of Baroda. His specialization was in Fishery Biology and was awarded Ph.D for his significant studies in Physiology of Fish Migration. He taught at MSU and later moved to Saurashtra University, Rajkot. He was a tireless and avid researcher who encouraged his students to do the best. He obtained funds from national agencies to conduct research in pearl culture and was measurably successful. He was a strict disciplinarian and had a vast knowledge and collection of research not only in his area but also in related ones. With his rather short stint at VNSGU Dr. Desai left an indelible mark on students and colleagues alike.

(On the Behalf of Desai's Family)

Dr. Minoo Parabia, Dr. B.S. Vaidya, **Dr. Kiran Desai** and Dr. Raghothaman in 1977

Late Dr. Keval Krishnan

Dr. Keval Krishnan, a former professor at the Department of Biosciences. With a specialization in zoology.

(On the Behalf of his Family)

Dr. Kailash Patel
MSc. , B.Ed , Ph.D
Botany
15/10/2022 to Till

MESSAGE FROM THE DESK OF HOD

About my journey with the Bioscience department…

It's just like a mint, sometimes sweet… sometimes sour....

When I joined the department in 1998, my father came with me to ensure that I will be in safe-hand and at safe-place to work. I didn't know anything but felt so much homely here. I learn so many things from my colleagues, who were actually like my parents, like my big brothers. Here I learn lessons of how to live-life, humanities, humbleness, boldness, how to become a good person along with a good teacher. My all HODs have given me a lot of opportunities to learn so many things. They always treated not only me but also my family like their relatives.

The Bioscience department when I joined in 1998, had 9 permanent teaching & 11 permanent non-teaching staff, classroom strength !!! only 30 students/class, both in M.Sc. - 1 & 2. A small but well-organized unit in the VNSGU campus. All professors had extraordinary skill within their domain.

TODAY being a head of this department, I am getting a golden opportunity to introduce a renovated department with 7 permanent teaching, & 7 adhoc teaching staff with classroom strength 55 students/class per semester in each subject of M.Sc. course plus PGDMLT 50/class. I feel so much proud to have a very long association with such a big department.

Welcome to the Department of Bioscience, where we cultivate a dynamic environment of learning, research and discovery. I joined this department in 1998 as a lecturer, a fresh M.Sc. graduate, and since then, my journey has been nothing short of transformative. Every achievement I've earned during my tenure is attributed exclusively to the support and opportunities provided by this department. With a commitment to excellence in both academic rigor and practical application, our department offers students unparalleled opportunities to engage with cutting-edge research and interdisciplinary approaches to the biological science. Our faculty members are leaders in their fields, conducting innovative research in genetics, molecular biology, microbiology, medicinal plants, environmental toxicology, ecology, and beyond.

Equipped with state-of-the-art facilities and a diverse array of learning opportunities, students have the resources and support they need to thrive in their academic and professional pursuits. Whether you're interested in pursuing a career in academia, industry, healthcare, or environmental conservation, our department is dedicated to empowering you to make meaningful contributions to the field and shape up the future of students.

Join us on this exciting journey of exploration and discovery!

Thank you so much. Jai Garavi Gujarat, Jai Hind.

WHO WE ARE

The Department of Biosciences at VNSGU is a distinguished institution dedicated to excellence in academic and research pursuits in the life sciences. Established in 1976, our department has grown into a premier bioscience institute in the South Gujarat region, recognized by UGC-SAP DRS-II and DST-FIST-I. We offer a comprehensive range of academic programs, including M.Sc., M.Phil., and Ph.D. courses in Biosciences specializing in Botany, Zoology, Microbiology. Our P.G. Diploma in Medical Laboratory Technologies (PGDMLTs) & P.G. Diploma in Toxicology (PGDT) provides practical skills development.

PROGRAMS

M. Sc. (BOTANY)

M. Sc.(ZOOLOGY)

M. Sc. (MICROBIOLOGY)

P.G.D.M.L.T

P. G. Diploma in Toxicology

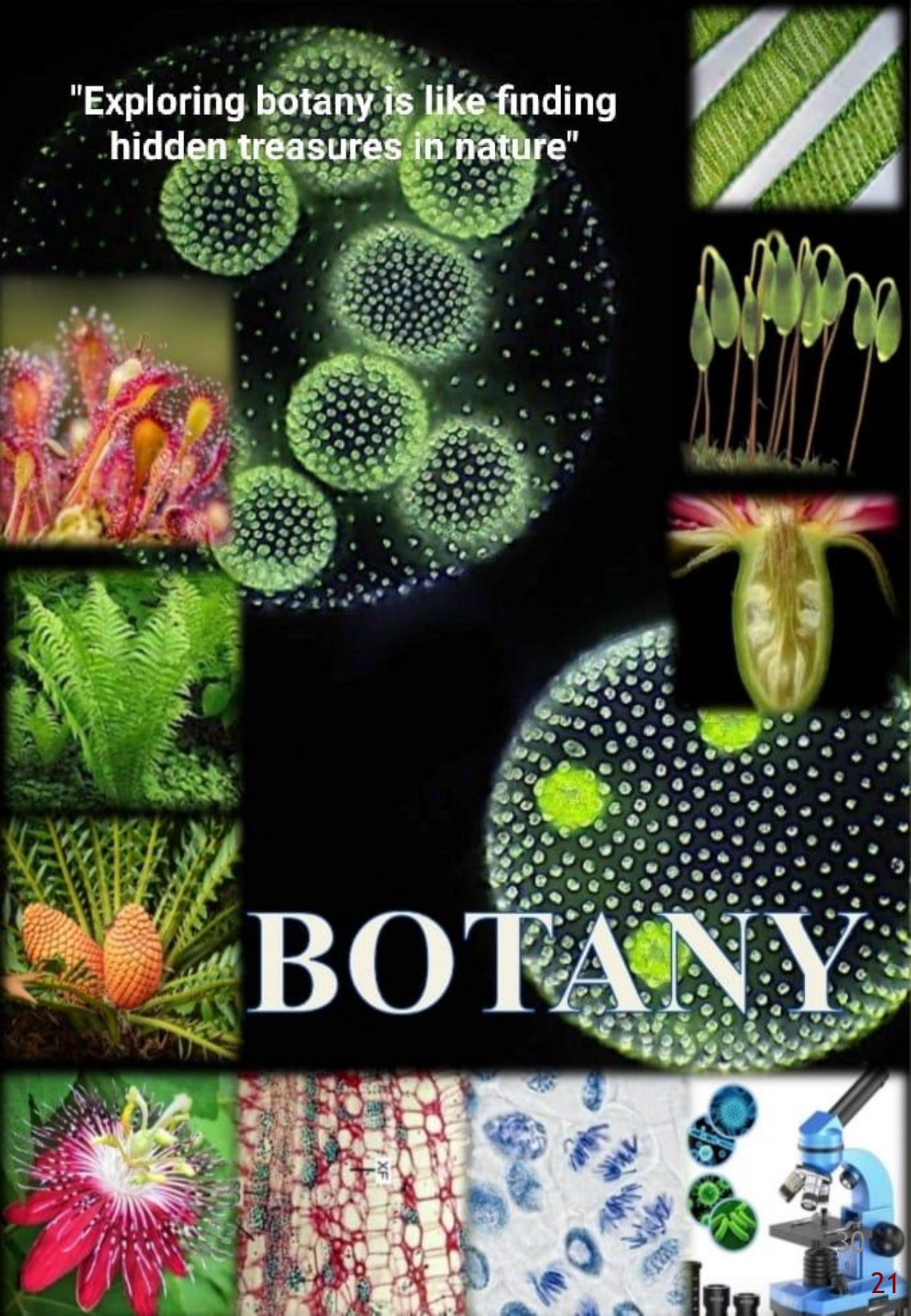
Ph. D.

Our system encourages critical thinking and an innovative spirit.

At the forefront of cutting-edge research, the Department of Biosciences has successfully completed numerous projects funded by State, National, and international agencies. Our commitment to global collaboration is evident through MoUs with various institutes and organizations, facilitating the global recognition of our students, who have successfully emigrated to foreign countries. To support advanced research, our department boasts state-of-the-art instruments like GCMS, NGS, HPLC, HPTLC, etc., along with the BVBRC research centre, a Bioinformatics lab, a Supercomputer facility, and an ICMR-approved Covid-19 RTPCR laboratory.

Our core research facilities cover diverse areas such as Plant & Animal Physiology, Toxicology, Medicinal Plant, Drug Discovery, Bioinformatics, Microbiome, Nanobiotechnology, and Sustainable Environment. Our accomplishments extend beyond the classroom. Beyond the classroom, our dedication to innovation fuels numerous research projects launched both nationally and internationally. Join us on a journey of academic excellence, research innovation, and global collaboration as we continue to shape the future of biosciences. Embark on our quest to explore and understand the world, solve its mysteries, and contribute to the vast body of knowledge in the life sciences.

FACULTIES OF THE DEPARTMENT


"Exploring botany is like finding hidden treasures in nature"
BOTANY

Ph.D. (Botany), M.Sc., B.Ed.
Experience : 25 years
Publications : 43
Books : 2

DR. KAILASH PATEL
Professor & Head

Dr. Kailash P. Patel working as Professor and Head at Department of Biosciences, VNSGU, Surat. She is avid researcher of university for 25 years, who prioritize student participation in the classroom, research lab and field work. Her areas of expertise include Plant Physiology, Plant Anatomy, Environmental Toxicology, and Agricultural Microbiology. She is teaching at post graduate level and a Ph.D. Guide in Bioscience in the University. There are 3 M. Phil. and 10 Ph.D. students had successfully completed their Research Work under her guidance and currently assisting 05 Ph.D. scholars in their research work. There are more than 40 dissertations successfully completed under her guidance.

She has also successfully completed one minor and two major research projects based on Environmental Toxicology and Agriculture. Recently she get two minor and one major research projects from ICSSR and UGC, among which one collaborative project with social sciences, funded by ICSSR. Dr. Patel was also actively participated in the departmental projects UGC-SAP-DRS-I and UGC-SAP-DRS-II, as her 3 Ph.D. students earned UGC-SAP-BSR fellowships.

She was also act as a co-coordinator in DST- FIST-LEVEL-1. She has published more than 43 research papers in various journals and presented more than 28 research papers in various national and international conferences. She has published two Books, and one is under preparation. She also works as reviewer for many good quality of research Journals. She has also invited as a subject expert in Interview committee for Sr. scientist, by CSMCRI, Bhavnagar.

She has also successfully delivered her lectures in GSBTM crash course. She has also invited for research proposal presentation by GSECL and Reliance group of industry for future research projects and sustainable development. She is also a member of Institute Ethics Committee at SMIMER, Surat. She has also invited as Co-Convener in One day Seminar on "Environment - The Key to Sustainable Development", Organized by Bharat Vikas Parishad and VNSGU.

She also invited for University Development and International Conference on Earth and Environment at Toronto University, Canada. Right now, she is the co-chairperson of the RAC, Bioscience, VNSGU. She is also a member of Board of studies (BOS) for subject Biosciences as well as Botany at VNSGU. She is also a member of BOS for subject Botany (to design syllabus) at Vanita Vishram Women University as well as RAC Member at Gujarat University for Horticulture subject. She is also serving as a standing committee member of Women Development Cell at VNSGU.

She had also appointed as In charge Scientist in Institutional Animal Ethics Committee at VNSGU. She is also a Chairman of Tribal Museum at VNSGU. Recently she is also appointed as a member of State of art level, Centre for excellence at VNSGU. She was appointed as a Subject Expert for Assessment of Ph.D. thesis by Gujarat University, Savitribai Phule, Pune University and Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. She is also a member of EC, Biosciences.

She is successfully heading as Nodal officer in Skill Vigyan Program at department of Bioscience, VNSGU, Surat organized by GSBTM, DBT, Government of India. Being a head of the department, she successfully acted as the committee member and convener for all the G-20 and other departmental events organized by the Department of Biosciences. More than 20 events have been successfully organized under her headship to date.

Ph.D. (Botany)
Experience : 15 years
Publication : 17
Books : 05

DR. FARZIN PARABIA

Associate Professor

Dr. Farzin Parabia working as Associate Professor at Biosciences department. He has advised numerous Ph.D., M.Phil and M.Sc. dissertation thesis. He has received GSBTM funded research project on application of plant DNA barcoding to detect adulteration in herbal products. He has written international collaborative projects with Swiss Institute of Bioinformatics (SBI), Switzerland. He is an expert in the areas of plant molecular biology, plant tissue culture, medicinal plants and angiosperm taxonomy. He is serving as nodal coordinator for DNA barcoding program of GSBTM.

He has developed herbal medicine for the treatment of malaria during his doctoral thesis, named Calomalin and Akmal targeted for *Plasmodium falciparum* and *P. vivax* respectively. The formulas has successfully cleared toxicological, preclinical and clinical trials and now locally available in the market.

ADHOC FACULTIES

Dr. Rajeshree Patel

Ph.D. Botany

Experience : 4 years

Publications : 4

Dr. Rajeshree Patel is a versatile scholar specializing in cell biology, plant physiology, ecology, wildlife conservation, developmental biology, and more. Her research is focused on biodiversity and ethnobotany of halophytes, as well as the impact of heavy metal contamination on coastal area plants and soil. In addition to her research pursuits, Dr. Patel is passionate about teaching a diverse range of subjects including microbial physiology, industrial microbiology, environmental biotechnology, immunology, and virology. Her dedication to both research and education underscores her commitment to advancing knowledge in the field of biology and addressing critical environmental challenges.

Dr Hirali D. Patel

Ph.D. Botany

Publications : 2

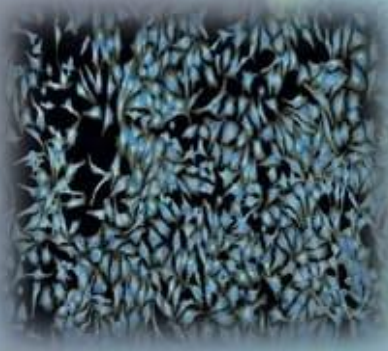
Dr. Hirali Patel is a distinguished academic and researcher with a Ph.D. in Botany. Her expertise in plant sciences and her dedication to advancing knowledge in the field have made her a respected figure in the world of botany. Dr. Patel's passion for research and teaching is evident in her commitment to nurturing the next generation of scientists and her continuous contributions to the study of plant biology. Her work reflects a deep understanding of the natural world and a drive to explore its complexities for the betterment of science and society."








ZOOLOGY


Ph.D. (Zoology)
Experience : 17 years
Publication : 26
Books : 03

DR. JIGNA DESAI

Associate Professor

Dr. Jigna Desai is an Associate Professor at the Department of Biosciences, specializing in zoology. With expertise spanning anatomy, physiology, ecology, genetics, animal biotechnology, toxicology, and cell biology, she is a versatile educator and researcher. Dr. Desai has not only excelled in teaching fundamental and advanced courses in biology, including biochemistry, biophysics, and biotechnology but has also actively contributed to departmental committees, undertaking administrative duties. Her dedication to both academic excellence and administrative responsibilities underscores her commitment to advancing the field of zoology and nurturing the next generation of bioscience professionals.

Ph.D. (Zoology)
Experience : 15 years
Publications : 12

DR. JAGRUTI BAROT

Assistant Professor

Dr. Jagruti Barot is working as an Assistant Professor in the Department of Biosciences, VNSGU, Surat since October, 2008. She has secured 54th rank in NET examination organized by UGC-CSIR for Lecture Ship (LS) in June, 2011. She has presented more than 10 papers in national and international conferences. She has successfully guided 2 M.Phil. students while 4 students are pursuing their Ph. D under her guidance.

She has completed 1 Minor Research Project funded by UGC and 1 Minor Research project is ongoing. She has also guided more than 30 students in their Master Dissertation. She actively participated in various duties (academics/ extension/ex-officio duties) allotted by the university. She is appointed as a member in BOARD OF STUDIES for Zoology subject. Dr. Barot is also appointed as a Co-coordinator for M.Sc. Zoology (SF) running at the department of Biosciences. She is also nominated as a standing committee member in SC cell at University level.

ADHOC FACULTIES

Dr. Brijal Mistry

Ph.D. Bioscience (Zoology)

Publications: 4

Dr. Brijal Mistry, an emerging scholar in the field of environmental toxicology and biodiversity, earned her Ph.D. from the Department of Bioscience, VNSGU, in November 2020. She holds a prestigious UGC-BSR (JRF & SRF) from Delhi, reflecting her academic prowess and dedication to research. Dr. Mistry's expertise has been recognized beyond her academic achievements.

She has served as a visiting faculty of zoology at two Government Science Colleges, enriching the educational experiences of students with her knowledge and enthusiasm. Active in academic circles, Dr. Mistry has made significant contributions to national and international conferences, earning accolades such as the 1st position in a national conference. Her commitment to advancing knowledge in environmental toxicology and biodiversity underscores her potential as a leading researcher in her field.

Mr. Vishal M. Makwana

Ph.D. pursuing

GSET 2020, GATE 2022

Experience - 2.5 years

Publications: 6

Book Chapters: 5

Mr. Vishal M. Makwana is a Temporary Assistant Professor of Zoology in the Department of Biosciences. He holds a Master’s degree in Zoology and is pursuing his Ph.D., focusing on ecological studies on birds. He has qualified for GSET (Life Sciences), the SHODH Fellowship, and GATE (Ecology and Evolution), reflecting his academic achievements and expertise.

With 2.5 years of teaching experience, He has made significant contributions through research and education. He has published 6 research articles in peer-reviewed journals and authored 5 book chapters, showcasing his engagement with current scientific challenges. His areas of interest include Ornithology, Ecology, Entomology, Biodiversity Studies, Citizen Science, and Environmental Toxicology, with a focus on wildlife conservation and ecological sustainability.

In addition to his research, He is an active participant in academic events, delivering 6 invited talks and presenting 6 research posters and papers at national and international conferences. His dedication to knowledge sharing and collaboration highlights his commitment to advancing both scientific research and education in zoology and related fields.

Microbiology

The unseen world holds endless possibilities.

DR. RAJESH PATEL
Professor

Ph.D. in Microbiology
Experience : 21 years, 10 months
Publications : 72
Books : 07
Book Chapter : 07

Dr. Rajesh Patel is Microbiologist. He has started his academic career in Christ college, Rajkot in 1999-2004 and then worked in Hemchandracharya North Gujarat university from the year 2004 to 2017. From 2017 onward He is working as a professor in the Department of Biosciences, VNSGU, Surat, India. He is the coordinator for NIRF, UGC-SAP DRS-II Project, Bioinformatics Laboratory and Supercomputer Facility PARAM SHAVAK at, VNSGU, Surat.

His current research areas include Extremophiles, Microbial enzymology Metagenomics and Drug Discovery. Under his guidance 08, MPhil and 10 PhD students have completed their research work and currently, 06 Ph. D. students are working on research work in a wide broad range area of different aspects. He has completed 9 research projects, and four research projects are continuing. Dr. Patel utilizes his educational and research capability and the ability to impart knowledge effectively to assist students.

Ph.D. (Microbiology)
Experience : 11 years
Publications : 40
Books : 02

DR. PRAVIN DUDHAGARA
Assistant Professor

Dr. Pravin R. Dudhagara is an assistant professor at Department of Biosciences, VNSGU and Microbiology specialist. Founder to gain knowledge of every new technique with application of basics. He also attained international and national talks with exchange of knowledge.

His teaching interests lie in extremophiles, molecular biology, metagenomics, and applied microbiology, reflecting his broad expertise in these areas. Dr. Dudhagara has led projects focusing on microbiome analysis, industrial wastewater treatment, and antimicrobial resistance, demonstrating his versatile research capabilities.

Notably, he is actively involved in COVID-19 surveillance through sewage analysis, showcasing his dedication to addressing pressing public health challenges. Dr. Dudhagara's extensive portfolio of research papers and projects underscores his significant contributions to the field of applied microbiology, solidifying his reputation as a leading expert in his field.

Ph.D. Biosciences (Microbiology)
Experience : 9 years
Publications : 05

DR. DHARA GAMIT

Assistant Professor

Dr. Dhara Gamit serves as an Assistant Professor in Microbiology at the Department of Bioscience, Veer Narmad South Gujarat University, Surat, Gujarat. Her research primarily focuses on plant-microbe interactions within agricultural microbiology and environmental microbiology, particularly in biodegradation and bioremediation, with a strong emphasis on applied microbiology.

In addition to her research pursuits, Dr. Gamit is dedicated to teaching a variety of courses including Environmental Microbiology, Enzymology and Microbial Physiology, Industrial Microbiology and Fermentation Technology, and Applied Microbiology. Her teaching interests encompass microbial physiology, industrial microbiology, environmental biotechnology, immunology, and virology.

Dr. Gamit's research and teaching endeavors reflect her commitment to advancing knowledge in the field of microbiology, particularly in its practical applications for environmental sustainability and agricultural productivity.

ADHOC FACULTIES

Ms Parishi Patel

Ph.D. Pursuing
Experience : 2 years
Publications : 2
Books: 2

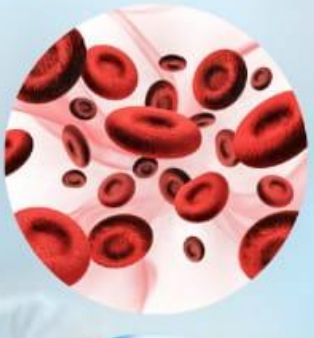
Ms. Parishi is dedicated to the fields of environmental microbiology and fermentation technology, demonstrating a commitment to continuous learning and expertise enhancement. In 2022, she achieved success by clearing the GSET (Gujarat State Eligibility Test) in Life Science, showcasing her academic proficiency.

Previously, Ms. Parishi served as an Adhoc Lecturer at DUIAS, Valsad, where she contributed to enriching students' learning experiences through her passion for education. Her enthusiasm for both research and teaching positions her as a valuable asset to the academic community, poised to make meaningful contributions in her field.

Ms. Anjali Desai

Ph.D. pursuing
GSET(2022)
Publications : 1

Ms. Anjali Desai conducted pioneering research on “SULPHATE REDUCING BACTERIA FROM WINOGRADSKY COLUMN’. Her academic journey has been marked by reflecting his potential as a promising researcher affiliated to VNSGU. she is pursuing a P.hD on “Halophilic Microbial Carotenoid Production”. Her research/teaching interest involves microbial secondary metabolites.



P. G. D. M. L. T.

Empowering healthcare through technology.

Ph.D. (Microbiology)
Experience : 11 years
Publications : 40
Books : 02

DR. PRAVIN DUDHAGARA

Assistant Professor
&
Coordinator

Dr. Pravin R. Dudhagara is an assistant professor at Department of Biosciences, VNSGU and Microbiology specialist. Founder to gain knowledge of every new technique with application of basics. He also attained international and national talks with exchange of knowledge.

His teaching interests lie in extremophiles, molecular biology, metagenomics, and applied microbiology, reflecting his broad expertise in these areas. Dr. Dudhagara has led projects focusing on microbiome analysis, industrial wastewater treatment, and antimicrobial resistance, demonstrating his versatile research capabilities.

Notably, he is actively involved in COVID-19 surveillance through sewage analysis, showcasing his dedication to addressing pressing public health challenges. Dr. Dudhagara's extensive portfolio of research papers and projects underscores his significant contributions to the field of applied microbiology, solidifying his reputation as a leading expert in his field.

ADHOC FACULTIES

Dr. Deenali N. Patel

Ph.D.
(Microbiology)
Experience : 5 years
Publications : 3
Book Chapters: 1
GSET 2018

Dr. Deenali Patel is an experienced and detail-oriented microbiologist specialized in carrying out isolation of microorganisms from different source as well as performing cultivation independent procedures to know about unknown microbes. Having keen interest in metagenomics requires good facility to carry out my research work. Looking forward to a positive approach towards sustainable agriculture.

She served as an ad-hoc lecturer in SRKI Surat as well as in JNMP Science college, Surat for 5 years . She has received Gold Medal for securing first position in VNSGU for the degree in MSc Microbiology

Ms. Nidhi Dwivedi

M.Sc. (Microbiology), PGDMLT
Experience : 3 years

Ms Nidhi Dwivedi is a Teaching Assistant with Medical Laboratory Technician skills in microbiology, chemistry and hematology testing needs. Alongside her academic experience , she has gained over two years of practical experience in a pathology laboratory. With over two years of valuable experience working in a pathology laboratory, she has gained practical expertise in diagnostic techniques and laboratory procedures. Expertise includes various subjects like Medical & Clinical Microbiology, Pathology, Hematology, Genetics. She has actively participated in numerous conferences, and Workshops organized at National levels.

COURSES WE OFFER

M.Sc. BOTANY

ELIGIBILITY
Bachelor in Science with Botany or its equivalent or allied subject

DURATION
2 Years (4 Semester)

ADMISSION PROCESS
Merit Based

Fees/ term	GR (13 Seat)	HP (07 Seat)	SF (38 Seat)
Male	7110	26110	32610
Female	4610	23610	32610

M.Sc. Botany

- ✓ In M.Sc. Botany, Department is Having Total 58 seats, which are further Bifurgated as 13 Grant in Ald seats, 7-Higher Payment Seats and 38 Self-Finance Seats.
- ✓ The whole Admission Process Will be exclusively Merit Based.

Eligibility criteria

- ✓ A Candidate who is a Graduate with Botany Subject or Allied Subject will be Eligible for the Admission Process.

Syllabus

- ✓ The whole M.Sc. Programme is Designed in the form of 04 semesters.

1st Semester : includes mainly Fundamental Microbiology, Mycology and plant Pathology, Phycology and Lichen as core papers.

- ✓ It offers one elective paper Organic Farming and Sustainable Agriculture & also offers one skills based elective paper Manures and Fertilizers.

2nd Semester : Covers The Broad Aspects of Bryophytes, Pteridophytes, Gymnosperms& Paleobotany, Plant Anatomy & Embryology ,Biostatistics, Instrumentation and Techniques as core papers.

- ✓ At the same time, it also offers one elective paper Pharmacognosy & Photochemistry and also offers one skills based elective paper Apiculture.

3rd Semester : includes mainly Plant Physiology, Plant Ecology and Conservation as core papers.

- ✓ It offers special elective papers Phytomorphology OR Plant Tissue Culture OR Bioinformatics
- ✓ OR Plant Stress Biology.
- ✓ At the same time ,it also offers one elective paper Phytogeography, Plant for Human Welfare and Plant Breeding.
- ✓ It also offers skill based elective paper Floriculture.

4th Semester : include one core paper Cell Biology, Genetics, Molecular Biology & Biochemistry & one Special elective paper Plant Taxonomy and Systematics OR Plant Breeding, Cytogenetic and DNA sequencing.

- ✓ It also offers skill based elective paper Bonsai and Terrace Gardening.
- ✓ In the fourth semester, Seminar based research paper presentation and a dissertation work (Botany practical XII) to be done by each student independently under the supervision of allotted faculty and submit a dissertation/thesis in partial fulfillment for the award of M.Sc. degree in Botany.

M.Sc. Botany

Teaching-learning - evaluation methods

- ✓ All the faculties actively participated in the teaching process. They deliver their subjective contents in lecture in English language (sometimes bilingual) via ppt mode.
- ✓ In addition to this, related videos, news articles, research papers and reference books will be provided to each student on a common platform like Google Classroom.
- ✓ By this way, the department is always trying to support the campaign "Digital India".

For the evaluation process : regular class tests, seminars, assignment submission and internal examinations are conducted.

- ✓ Specially, for slow learners, we always prepare schedules for remedial classes to rectify their difficulties personally.

Skill That Students Will Learn :

- ✓ After M.Sc. at Department Student can Enhance The Quality of Field Work-Based Research.
- ✓ Students Who Actively Participated and Seriously involve in Their Dissertation Work Will be Definitely Benefitted in The Future Doctorate Degree or other Higher Education.
- ✓ After completing an M.Sc., students can pursue various competitive exams to advance their careers. Exams like the CSIR-UGC NET and GATE provide opportunities for Junior Research Fellowships, Ph.D. Programs, and roles in academia and research. Other exams, such as ICAR NET and ICMR JRF, cater to careers in agricultural research and biomedical sciences, opening doors to specialized research roles and academic positions. These exams validate expertise and offer access to research funding and prestigious appointments.
- ✓ Postgraduates with an M.Sc. In Botany have diverse career opportunities in research, academia, and industry. They can pursue Ph.D. Programs for university teaching and research roles, work in government and private research institutions on plant sciences and conservation, and teach biology at various educational levels. Additional career paths include environmental consultancy, botanical garden management, and roles in agriculture, pharmaceuticals, and biotechnology industries.

M. Sc. Zoology

ELIGIBILITY
Graduation in Science with Zoology or its equivalent or allied subject

DURATION
2 Years (4 Semester)

ADMISSION PROCESS
Merit Based

Fees/ term	GR (13 Seat)	HP (07 Seat)	SF (30 Seat)
Male	7110	26110	32610
Female	4610	23610	32610

M.Sc. Zoology

✓In **M.Sc. Zoology**, department having total 50 seats, which are further bifurcated as 13- grant in aid seats, 7-higher payment seats and 30 self-finance seats.

✓The whole admission process will be exclusively merit based.

Eligibility criteria

✓A candidate who is a graduate with zoology subject or allied subject will be eligible for the admission process.

Syllabus

✓The whole M.Sc. Programme is designed in the form of 4 semesters.

1st semester: includes mainly biology of non-chordates, important aspects of biochemistry, cell and molecular biology as core papers.

✓It offers 2 elective papers, which are Industrial fisheries and microbiome.

✓This semester also focuses on skill development of each student such as how to search research papers, how to cite them, referencing patterns, way of scientific presentations, data analysis etc.

✓2nd Semester: covers the broad aspects of vertebrates 'biology, animal physiology, Biotechnology and biostatistics.

✓At the same time, it also offers 2 elective papers 1. Advance marine biology 2. Applied microbiology.

✓It also contains 2 credit skill base course based on instrumentations.

✓3rd and 4th semesters: exclusively emphasis on cell biology and genetics, animal behaviour, histology and developmental biology, ecology etc.

✓Most importantly, here, 1 paper, in both the 3rd and 4th semesters, dissertation work is given to each student. This 1-year dissertation work will definitely ignite the spark for research in the zoology and other inter disciplinary / multidisciplinary areas. Each student can really able to connect the bookish content with the field work, with the nature, with the laboratory and of course with the life.

✓Apart from syllabus contents, students learn many life values via co-curricular activities carried out at department on regular basis.

M.Sc. Zoology

Teaching - learning - evaluation methods

- ✓ All the faculties actively participated in the teaching process. They deliver their subjective contents in lecture in English language (sometimes bilingual) via ppt mode.
- ✓ Addition to this, related videos, news articles, research papers and reference books will be provided to each student on a common platform like Google Classroom.
- ✓ By this way, the department is always try to support the campaign "Digital India".

For evaluation process, regular class tests, seminars, assignment submission and internal examinations are conducted.

- ✓ Specially, for **slow learners**, we always prepare schedule for **remedial classes** to rectify their difficulties personally.

Skills that students will learn after M.Sc. at department

- ✓ Student can enhance the quality of field work-based research like taxonomy, diversity and other related topics.
- ✓ Industrial fisheries help them to establish a small or medium level fisheries business.
- ✓ Students who actively participated and seriously involve in their dissertation work will be definitely benefitted in the future doctorate degree or other higher education.
- ✓ Students who passed M.Sc. with Zoology subject will be placed in many Govt., Semi Govt. & Private sectors like schools, Colleges, University departments, Laboratory, Zoos, nature Parks, Forest officials, officials at fisheries department, at Dairy poultry.

M. Sc. Microbiology

ELIGIBILITY
Graduation in Science with Microbiology or its equivalent or allied subject

DURATION
2 Years (4 Semester)

ADMISSION PROCESS
Merit Based

Fees/ term	GR (13 Seat)	HP (07 Seat)	SF (38 Seat)
Male	7110	26110	37110
Female	4610	23610	37110

M.Sc. Microbiology

- ✓ In **M.Sc. Microbiology**, Department is Having Total 58 seats, which are further Bifurgated as 13- Grant in Aid seats, 7-Higher Payment Seats and 38 Self-Finance Seats.
- ✓ The whole Admission Process Will be Eexclusively Merit Based.

Eligibility criteria

- ✓ A Candidate who is a Graduate with Microbiology Subject or Allied Subject will be Eligible for the Admission Process.

Syllabus

- ✓ The whole M.Sc. Programme is Designed in the Form of 04 semesters.
- ✓ 1st semester: Includes mainly Microbial Diversity, Molecular biology& Genetic Engineering, Environmental Microbiology and Biofuels as core papers.
- ✓ It offers 2 elective papers, 1.Biophysical Techniques and Instruments 2. Cell Chemistry and Molecular Interactions. It also Offers various credit skill base course.
- ✓ 2nd Semester: Covers The Broad Aspects of Enzymology, Bioinformatics, Advanced in Immunology At the same time, it also offers 2 elective papers 1.Advanced in Pharmaceutical Microbiology 2. Ecology and Evolution. It also offers Various Credit Skill Base Course.
- ✓ 3rd semester: Includes Mainly Fermentation Technology, Industrial Microbiology, Agricultural Microbiology as core papers.
- ✓ It offers 2 elective papers, 1.Biostatistics,Research Methodology and Communication Skills 2.Research Methodology and Biostatistics. It also Offers various credit skill base course.
- ✓ 4th semester: Includes Mainly Seminar presentation, Review Presentation, Dissertation, Industrial Training/Internship Project, Start-Up Prototype Development Project.

M.Sc. Microbiology

Teaching - learning - evaluation methods

- ✓ All the Faculties Actively Participated in The Teaching Process. They Deliver their Subjective Contents in Lecture in English language (sometimes bilingual) via ppt mode.
- ✓ Addition to this, related videos, News Articles, Research Papers and Reference books will be provided to Each Student on a Common Platform like Google Classroom.
- ✓ By this way, The Department is Always Try to support The Campaign “Digital India”.

For Evaluation Process

- ✓ Regular Class Tests, Seminars, Assignment Submission and Internal Examinations are Conducted.
- ✓ Specially, For **Slow Learners**, we Always Prepare Schedule for **Remedial classes** to Rectify Their Difficulties Personally.

Skills That Students Will Learn After M.Sc. at Department

- ✓ Student can Enhance The Quality of Field Work-Based Research
- ✓ Industrial Training help them to establish a small or medium level business.
- ✓ Students Who Actively Participated and Seriously Involve in Their Dissertation Work Will be Definitely Benefitted in The Future Doctorate Degree or Other Higher Education.
- ✓ Students Who Passed M.Sc. with Microbiology Subject Will be Placed in Many Govt., Semi Govt. & Private Sectors like Schools, Colleges, University Departments, Laboratory.

P. G. D. M. L. T.

ELIGIBILITY
Graduation in Science with BIOSCI./MICROBIO./MED. TECH / ENV. SCI. or its equivalent or allied subject.

DURATION
1 Years (2 Semester)

ADMISSION PROCESS
Merit Based

Fees/ term	GR	HP	SF (50 Seat)
Male	-	-	23110/-
Female	-	-	23110/-

Post Graduate Diploma in Medical Laboratory Technology (PGDMLT)

- ✓ Post Graduate Diploma in Medical Laboratory Technology (PGDMLT) program is designed to prepare students for a career in laboratory. This course provides in-depth understanding and on hand training of principles, concept and techniques of Clinical laboratory tests for disease diagnosis.
- ✓ In **PGDMLT**, department is having total 50 self-finance seats.
- ✓ The whole admission process will be exclusively merit based.

Eligibility criteria

- ✓ A candidate who is a graduate in Chemistry (Biology at F.Y. B.Sc. Level), Microbiology, Med. Tech, Env. Sci, Botany, Zoology, MLT, Life Science subject or allied subject will be eligible for the admission process.

Syllabus

- ✓ The whole PGDMLT Programme is designed in the form of 1 Year (2 Semester).
- ✓ The program covers the basics of preclinical subjects such as Biochemistry, Pathology, Microbiology, Immunology, Parasitology, Hematology, Blood banking. Laboratory management and Instrumentation and Advance techniques in diagnosis of diseases. Medical laboratory technologist do these tests by analyzing different specimens like, blood, body fluids, tissues, urine, stool, sputum, semen etc.

1st semester: 3 Core subjects include Medical Laboratory Technology Fundamentals, Immunology & Medical Microbiology.

- ✓ It offers 2 elective papers, which are Basics of Microbiology & Basics of Biochemistry from these students can select any one according to their interest.
- ✓ This semester also focuses on skill development of each student by enhancing their inner ability. It offers two Skill based elective course includes Instrumentation and techniques & MOOC/Swayam Program.

2nd Semester: It offers 3 Core subjects include Hematology, Clinical Pathology & Clinical Biochemistry.

- ✓ It offers 2 elective papers, which are Immunohematology and Histo-cytology & Parasitology.

- ✓ It offers two Skill based elective course includes Training in pathology laboratory & MOOC/Swayam Program.

Teaching – learning – evaluation methods

- ✓ All the faculties actively participated in the teaching process. They deliver their subjective contents in lecture in English language (sometimes bilingual) via ppt mode.
- ✓ Addition to this, related videos, news articles, research papers and reference books will be provided to each student on a common platform like Google Classroom.
- ✓ By this way, the department is always tried to support the campaign "Digital India".

For evaluation process, regular class tests, seminars, assignment submission and internal examinations are conducted.

- ✓ Specially, for **slow learners**, we always prepare schedule for **remedial classes** to rectify their difficulties personally.

Skills that students will learn after PGDMLT at department

Perform all the diagnostic techniques.

- ✓ Use discretely the essential laboratory services.
- ✓ Manage all types of clinical diagnostic methods.
- ✓ Handle and operate the modern equipment's and instruments in laboratory test.
- ✓ Develop leadership qualities to function effectively as a leader in the laboratory environment.
- ✓ Render services to the laboratory set up and to communicate effectively with the doctors, patients and the hospital management.
- ✓ Development of skill and competency in data processing, reporting and maintenance of records & Laboratory investigations.
- ✓ Apply safety precautions, quality assurance, biomedical waste management, automation in in the laboratory.

Post Graduate Diploma in Toxicology

ELIGIBILITY
Graduation in any Biological Science or Chemistry

DURATION
1 Years (2 Semester)

ADMISSION PROCESS
Merit Based

Fees/ term	GR	HP	SF (40 Seat)
Male	-	-	12,110/-
Female	-	-	12,110/-

Post Graduate Diploma in Toxicology

- ✓ South Gujarat region starting from Vapi to Bharuch is industrially well developed often referred to as golden corridor. It is dominated by Pharmaceutical industries, pesticide manufacturers, synthetic yarn production, textile processing houses and dying units. Surat in particular is dominated by textile industry and diamond cutting industry. Nearly 30 million meters of raw fabric and 25 million meters of processed fabric is produced in Surat daily.

- ✓ This entire industrial corridor has been identified as most polluted region in the country, Ministry of environment and Forestry has put a ban on expansion of existing and on new chemical industries in most of these GIDCs. As result of the governments policy many CEPTs have come up in the region, there are many private pollution analysis labs in this region and all the industries need technically qualified people to monitor their effluents, All the pharmaceutical companies need manpower to evaluate the toxicity of their products, there are several Contract Research Organizations in need of manpower trained in toxicology. This proposed diploma aims to produce the trained manpower to the needs of the industry in the field of toxicology.

Eligibility Criteria

- ✓ B.Sc. in any Biological Science or Chemistry Intake: Self-financed (SFI) : 40,The duration of the course shall be One-year (Evening Course). Academic year shall be divided into two semesters.

Admission Details

- ✓ Admission Based on merit/personal interview.

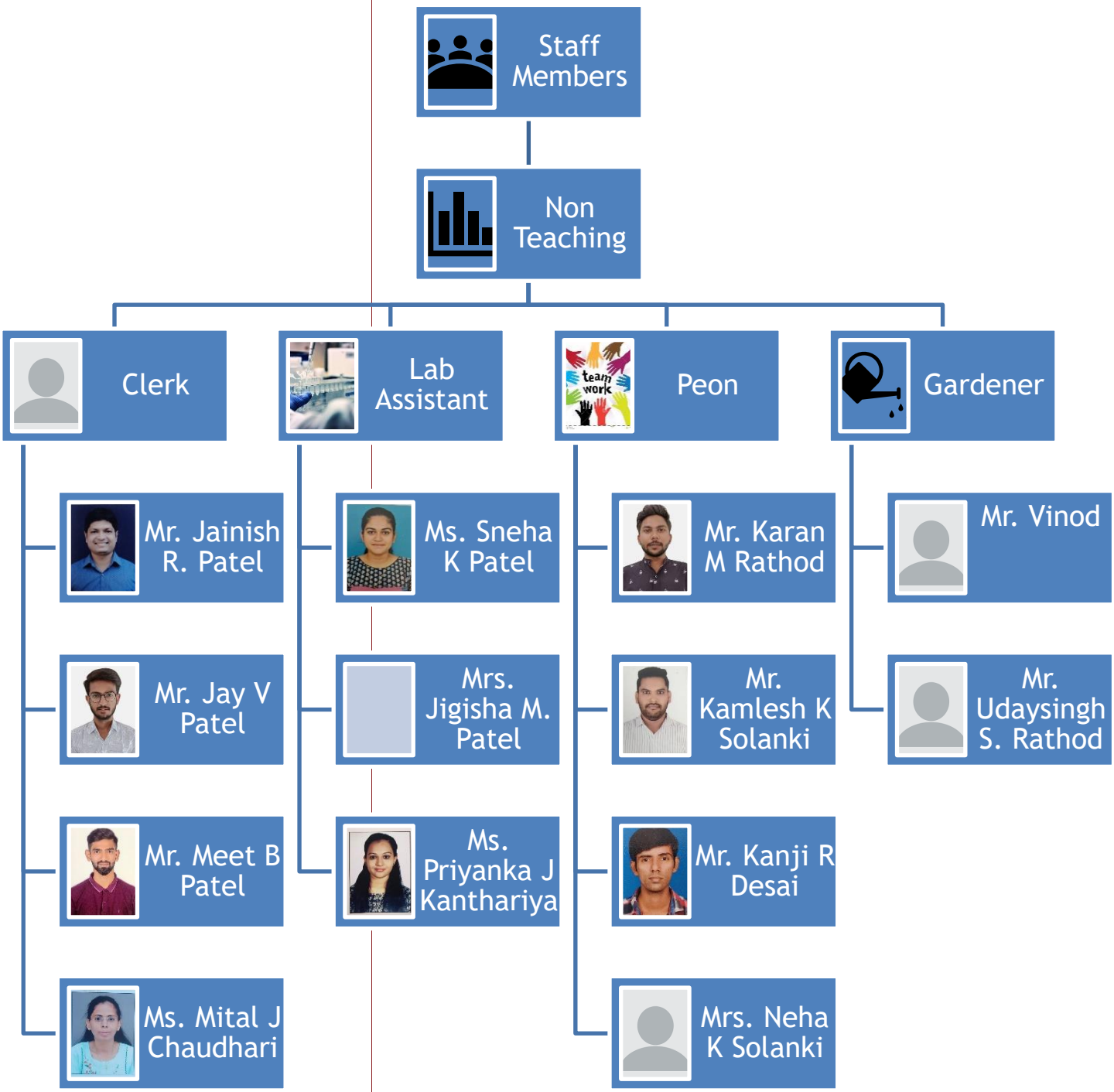
- ✓ Reservation Policy: As per rules of university.

Structural Organization of the Department

Sr. No.	Building	Infrastructure
1.	Old Building	Admin office, Hod office, Lab of Each faculty, 1 seminar Hall, 2 Classrooms, PGDMLT Laboratory, Microbiology Laboratory, Instrument room, Super computer & Bioinformatics Lab, Cabin of Each faculty, store room.
2.	New Building	2 Research Laboratory, Botany & Zoology Laboratory, RT PCR Lab, Sophisticated Instrument room, 2 Classrooms, Library, Girls room.
3.	BVBRC	BVBRC museum, Ethanobotany museum, Green house, pond, Botanical Garden, Vermi compost, Research activity Plot.

Human Resource

- Staff Members
  - Teaching
    - Permanent
      - Dr. Kailash P. Patel (HOD)
      - Dr. Rajesh K. Patel
      - Dr. Jigna R. Desai
      - Dr. Farzin M. Parabia
      - Dr. Jagruti K. Barot
      - Dr. Pravin R. Dudhagara
      - Dr. Dhara A. Gamit
    - Adhoc
      - Dr. Rajeshree H. Patel
      - Mr. Vishal M. Makwana
      - Dr. Brijal C Mistry
      - Ms. Parishi S Patel
      - Ms. Anjali P Desai
      - Dr Hirali D. Patel
      - Ms. Nidhi R Dwivedi
      - Dr. Deenali N. Patel


Staff Members
Non Teaching
Clerk
Lab Assistant
Peon
Gardener
Mr. Jainish R. Patel
Mr. Jay V Patel
Mr. Meet B Patel
Ms. Mital J Chaudhari
Ms. Sneha K Patel
Mrs. Jigisha M. Patel
Ms. Priyanka J Kanthariya
Mr. Karan M Rathod
Mr. Kamlesh K Solanki
Mr. Kanji R Desai
Mrs. Neha K Solanki
Mr. Vinod
Mr. Udaysingh S. Rathod

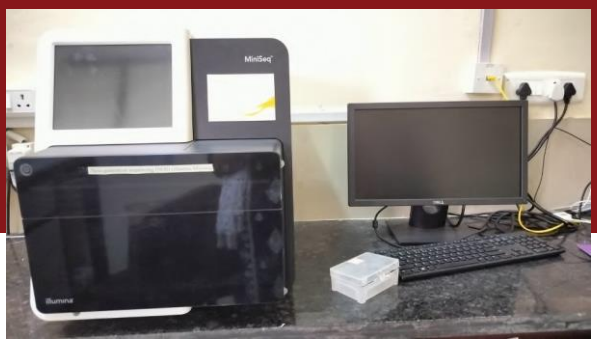
2015 onwards

- ✓ Research Paper - 500+
- ✓ Book Chapter - 14
- ✓ Research Guidance - 58
- ✓ Research Project - 14+
- ✓ Consultancy - 01
- ✓ UGCSAP- DRS-I- 2011 to 2016: Toxicity Evaluation of Textile Industry Effluent
- ✓ UGC-SAP-DRS-II-2018 to 2023: Environmental Toxicology and Ecogenomics DST-FIST-Level-I 2018 to 2023: Host- Microbiome Interaction
- ✓ Sectioned BSR Scholarships & SODH fellowship Awarded GUJCOST & GSBTM Sponsored state-of-the-art Bioinformatics & Supercomputer facility
- ✓ ICMR approved COVID-19 RTPCR Laboratory

FEATURES

FACILITIES

- ICT enabled Classrooms - 05| Research laboratory - 06
- Computer- 30| Printers & Scanners- 07| HPC Workstations - 03| Supercomputer - 01
- Teaching Lab. - 06| Computer Lab. - 01| Central Instrument Lab. - 01|Microscopy Lab. - 01| Plant Tissue Culture Lab.-01 |Animal Cell Culture Lab.- 01|
- Shri Bapalal Vaidya Botanical Research Centre- 01|
- Seminar Hall-01| Auditorium-01|
- Botanical Garden- 01| Green House- 01| Aquarium -01|
- NGS, GCMS, HPLC, RTPCR, HPTLC, RTPCR|
- Microplate Reader|
- TYPE-I Water Purification system|
- Type IIA Biosafety



NGS (Next-Generation Sequencing)

NGS, or Next-Generation Sequencing, is a high-throughput technology used to sequence DNA or RNA quickly and affordably. It revolutionized genomics research by enabling the sequencing of entire genomes, transcriptomes and metagenomes. NGS methods vary but generally involve fragmenting DNA or RNA, attaching adaptors, amplifying, and sequencing millions of fragments simultaneously. Its applications span from understanding genetic diseases to studying microbial diversity and evolution. NGS has greatly accelerated biological and medical research, paving the way for personalized medicine and advancing our understanding of life at the molecular level.

GC - MS (Gas Chromatography-Mass Spectrometry)

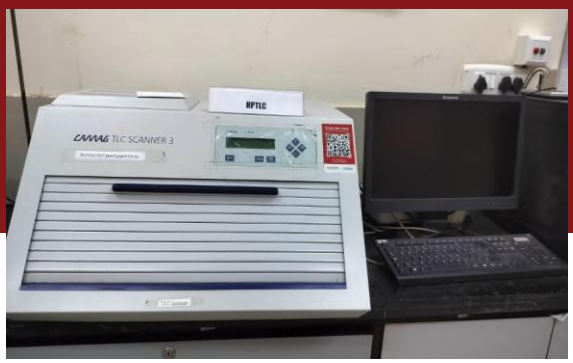
Gas Chromatography-Mass Spectrometry (GC-MS) is a powerful analytical technique used to identify and quantify compounds in complex mixtures. In GC-MS, a sample is first separated by gas chromatography based on its chemical properties. The separated compounds then enter the mass spectrometer, where they are ionized and fragmented into ions. These ions are detected and analyzed based on their mass-to-charge ratio, allowing for the identification of the compounds present in the sample. GC-MS is widely used in various fields, including environmental analysis, food safety, forensic science, and metabolomics. Its high sensitivity, specificity, and ability to analyze a wide range of compounds make it an indispensable tool in analytical chemistry and research.

Reverse Transcription Polymerase Chain Reaction (RT-PCR)

Reverse Transcription Polymerase Chain Reaction (RT-PCR) is a molecular biology technique used to amplify and quantify specific RNA sequences. It involves converting RNA into complementary DNA (cDNA) using an enzyme called reverse transcriptase, followed by amplification of the cDNA through multiple cycles of PCR (Polymerase Chain Reaction). RT-PCR is widely used in gene expression analysis, viral detection, and molecular diagnostics. It offers high sensitivity, specificity, and the ability to quantify gene expression levels accurately, making it an essential tool in research, clinical diagnostics, and various other applications in the life sciences.

High-Performance Liquid Chromatography (HPLC)

High-Performance Liquid Chromatography (HPLC) is an analytical technique used to separate, identify, and quantify components in a mixture. In HPLC, a liquid sample is pumped through a column packed with a stationary phase material. The components in the sample interact differently with the stationary phase, causing them to separate based on factors such as size, polarity, and chemical affinity. The separated components are then detected and analyzed, often using techniques such as UV-Vis spectroscopy or mass spectrometry. HPLC is widely used in pharmaceuticals, food and beverage analysis, environmental monitoring, and many other fields due to its high sensitivity, resolution, and versatility.



High-Performance Thin-Layer Chromatography (HPTLC)

High-Performance Thin-Layer Chromatography (HPTLC) is an advanced chromatographic technique used for separating, identifying, and quantifying components in complex mixtures. It offers high resolution, reproducibility, and versatility, making it valuable for various industries including pharmaceuticals, food, cosmetics, and herbal products. HPTLC is cost-effective and complements other chromatographic methods, serving as an essential tool in modern analytical laboratories for quality control and impurity profiling.

Bio Fragment Analyzer

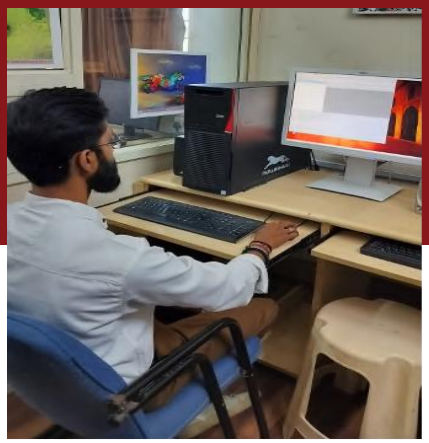
The Bioanalyzer is a device used for analyzing the size and concentration of DNA, RNA, and proteins in biological samples. It utilizes microfluidic technology to separate and detect biomolecules based on their size and charge. The sample is loaded into a chip, where it undergoes electrophoresis and is then measured by fluorescence detection. The Bioanalyzer provides accurate and reproducible analysis of nucleic acids and proteins, making it valuable for various applications such as quality control in molecular biology experiments, assessing RNA integrity for gene expression studies, and quantifying DNA for next- generation sequencing library preparation.

Axioscope Microscope

Axioscope is a microscope model manufactured by Zeiss, a renowned company in the field of microscopy. The Axioscope series comprises versatile research microscopes used in various scientific disciplines, including biology, medicine, materials science, and more. These microscopes feature high-quality optics, ergonomic design, and modular configurations, allowing for precise observation and imaging of samples. Axioscope microscopes are equipped with advanced features such as fluorescence microscopy, differential interference contrast (DIC), and polarized light microscopy, making them suitable for a wide range of applications from basic research to advanced imaging techniques.

LED Microscope

An LED microscope is a type of optical microscope that utilizes light-emitting diodes (LEDs) as its light source instead of traditional halogen or fluorescent lamps. LED microscopes offer several advantages over conventional light sources, including longer lifespan, lower energy consumption, and reduced heat generation. They also provide stable and uniform illumination, which enhances image quality and reduces photobleaching in fluorescence microscopy. LED microscopes are commonly used in various scientific fields, including biology, medicine, and materials science, for routine laboratory work, research, and education. They are particularly well-suited for applications requiring brightfield, phase contrast, fluorescence, or dark field illumination techniques. Overall, LED microscopes represent a modern and efficient solution for microscopy applications, offering improved performance, durability, and user convenience.



Supercomputer Facility (Param Shavak)

Param Shavak Supercomputers provide high-performance computing resources for scientific research, including bioinformatics, enabling researchers to analyze large biological datasets and perform complex simulations. "Param Shavak Supercomputer" is an initiative by the Indian government to provide high-performance computing resources to the scientific community, including researchers in fields like bioinformatics. These supercomputers are equipped with powerful processors, large memory capacities, and high-speed interconnects, enabling researchers to perform complex simulations, data analysis, and modeling tasks in various scientific domains.

In the context of bioinformatics, Param Shavak supercomputers facilitate the analysis of large biological datasets, such as DNA sequencing data, protein structures, and genomic information. Researchers can use these resources to perform tasks such as genome assembly, sequence alignment, protein structure prediction, and drug discovery simulations, which require significant computational resources.

The Param Shavak supercomputers aim to accelerate scientific research and innovation by providing state-of-the-art computing infrastructure to researchers across India. They play a crucial role in advancing knowledge and understanding in fields like biology, biotechnology, and medicine, ultimately contributing to scientific progress and societal development.

pH meter

A pH meter is a scientific instrument used to measure the acidity or alkalinity of a solution. It measures the concentration of hydrogen ions (H+) in a solution and expresses it as a pH value on a scale from 0 to 14, where 0 indicates strong acidity, 7 indicates neutrality, and 14 indicates strong alkalinity. pH meters consist of a probe, usually with a glass electrode sensitive to hydrogen ions, and a meter that displays the pH value. They are commonly used in laboratories, industries (such as food and beverage, pharmaceuticals, and water treatment), and environmental monitoring to ensure proper pH levels for various processes and applications. pH meters are essential tools for accurately determining the acidity or alkalinity of solutions, which is critical for quality control, research, and regulatory compliance.

Visible Spectrophotometer

A visible spectrometer is a laboratory instrument used to measure the intensity of light at different wavelengths within the visible spectrum. It disperses white light into its component colors using a prism or diffraction grating, allowing for the qualitative and quantitative analysis of substances based on their absorption, transmission, or emission spectra. Visible spectrometers are versatile tools used in chemistry, physics, environmental science, and materials science for research, analysis, and quality control purposes.

Double Beam UV-Vis Spectrophotometer

A double-beam UV-Vis spectrophotometer is an advanced instrument used to measure the absorption or transmission of light by a sample across a range of wavelengths in the ultraviolet-visible spectrum. It splits the light beam into two paths, one passing through the sample and the other through a reference solution, allowing for simultaneous measurement and improved accuracy. Widely used in various scientific fields, it provides precise and reliable data for quantitative analysis, kinetics studies, and molecular characterization.

UV-Vis Spectrophotometer

UV-Vis spectrophotometer is a scientific instrument used to measure the absorption of ultraviolet and visible light by a substance. It provides valuable data on the concentration and characteristics of substances such as DNA, proteins, and environmental pollutants. UV- Vis spectrophotometers are essential tools in various fields, including chemistry, biochemistry, pharmaceuticals, and environmental science, enabling precise analysis and research.

Hot Plate

A hot plate is laboratory equipment used for heating substances in scientific experiments and processes. It consists of a flat, heated surface and is commonly employed for heating solutions, boiling and evaporation, thermal cycling, stirring, and heating heat-sensitive materials. Hot plates are versatile tools utilized in chemistry, biology, physics, and material science laboratories due to their reliability, ease of use, and ability to provide precise and uniform heating.

Hot Air Oven

A hot air oven is a sterilization device used in laboratories and industries. It operates by circulating hot air evenly throughout an enclosed chamber, typically between 50°C to 300°C (122°F to 572°F). This process effectively sterilizes equipment and materials by killing microorganisms and denaturing proteins. Hot air ovens are essential for maintaining a sterile environment, commonly used for sterilizing glassware, surgical instruments, and other heat-resistant items. They are also employed for drying and curing materials and conducting experiments requiring controlled heating. A hot air oven is a sterilization device used in laboratories and industries. It operates by circulating hot air evenly throughout an enclosed chamber, typically between 50°C to 300°C (122°F to 572°F). This process effectively sterilizes equipment and materials by killing microorganisms and denaturing proteins. Hot air ovens are essential for maintaining a sterile environment, commonly used for sterilizing glassware, surgical instruments, and other heat-resistant items. They are also employed for drying and curing materials and conducting experiments requiring controlled heating.

Water Bath

A water bath thermostatic is a laboratory device used for precisely controlling the temperature of water for various scientific and industrial purposes. It consists of a container filled with water, equipped with a heating element and a thermostat control system. These devices are essential for tasks such as sample incubation, reaction control, and maintaining stable temperatures for experiments and processes. With features like digital temperature control and safety mechanisms, water bath thermostats offer a reliable and convenient solution for temperature-sensitive applications in research, healthcare, and industrial settings.

Laminar Airflow

Laminar airflow is a controlled airflow technique used in laboratories and cleanrooms to create a sterile or particle-free environment. It involves air moving in parallel layers with uniform velocity, typically flowing in one direction with minimal turbulence. Laminar flow is achieved through specialized equipment like laminar flow hoods or cabinets, which utilize HEPA filters to remove particles from the air. This technique is essential in fields such as microbiology, tissue culture, and pharmaceutical manufacturing, where maintaining a sterile environment is crucial for experiments and processes.

Magnetic stirrer

A magnetic stirrer is a laboratory device used for stirring liquids in scientific experiments and processes. It consists of a rotating magnetic field generated by a motor underneath a container of liquid, which interacts with a magnetic stir bar placed within the liquid to create stirring motion. Magnetic stirrers are commonly used for mixing solutions, suspending solids, and maintaining homogeneity in reactions. They offer precise control over stirring speed and are widely used in research, education, and industrial settings for their efficiency and reliability in liquid stirring applications.

Autoclave

An autoclave is a device used for sterilizing equipment and supplies by subjecting them to high-pressure saturated steam at elevated temperatures, typically around 121°C (250°F) to 134°C (273°F). Autoclaves are essential in medical and laboratory settings for ensuring the safety and sterility of equipment and materials used in procedures and experiments.

Biochemical Oxygen Demand (BOD) Incubator

A BOD (Biochemical Oxygen Demand) incubator is a specialized laboratory instrument used to assess the amount of oxygen required by microorganisms to decompose organic matter in water samples. It provides controlled conditions, including temperature, humidity, and aeration, to simulate natural microbial activity. BOD incubators are vital tools in environmental science and water quality testing, providing insights into organic pollution levels in water bodies for regulatory compliance and environmental management.

CO_2 Incubator

A CO2 incubator is a laboratory instrument used for cell culture applications, providing precise control over temperature, humidity, and carbon dioxide levels. It creates an environment similar to the human body, promoting the growth and proliferation of mammalian cells. CO2 incubators are essential for various research and biotechnological applications, supporting cell culture experiments for drug discovery, tissue engineering, and biomedical research.

Bacteriological Incubator

A bacteriological incubator is a laboratory instrument used to cultivate bacterial cultures under controlled conditions, typically maintaining a constant temperature conducive to bacterial growth. It is essential for microbiology research, clinical diagnostics, and various applications involving the study of bacteria.

Polymerase Chain Reaction (PCR)

Polymerase Chain Reaction (PCR) is a molecular biology technique used to amplify a specific segment of DNA through multiple cycles of DNA replication. It is widely used in research, diagnostics, and biotechnology for applications such as DNA sequencing, genetic testing, and studying gene expression. PCR offers high specificity, sensitivity, and the ability to amplify small amounts of DNA rapidly, making it a powerful tool in molecular biology.

Cooling Centrifuge

A cooling centrifuge is a laboratory instrument used to separate substances of different densities from a liquid mixture through centrifugal force. It features a cooling system to maintain low temperatures during centrifugation, preserving the integrity of heat-sensitive samples. Widely used in various scientific fields, it is crucial for tasks such as isolating biomolecules and purifying samples in research, biotechnology, and clinical diagnostics.

Micro Plate Reader

The Micro Plate Reader is a microplate spectrophotometer renowned for its versatility and user-friendly design. With capabilities including absorbance, fluorescence, and luminescence detection, it caters to a wide range of life science applications. Its compact footprint and intuitive software interface make it a valuable asset in research laboratories, offering reliable and accurate results with ease.

Vortex Mixer

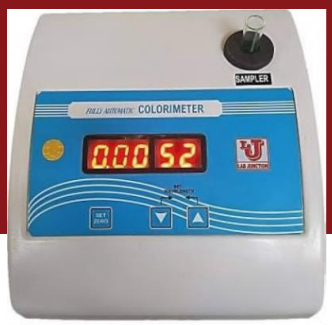
A vortex mixer is a laboratory instrument used to mix small volumes of liquids by vigorously shaking them in a circular motion. It consists of a platform where sample-containing vessels are placed and a motor that generates rapid oscillations, creating a vortex motion in the liquid samples. Vortex mixers are versatile tools used in biology, chemistry, and molecular biology for tasks such as mixing reagents, suspending cells, and resuspending precipitates. They offer a convenient and efficient method for homogenizing and mixing samples in laboratory settings.

SDS-PAGE

SDS-PAGE assembly involves preparing and pouring resolving and stacking gel mixtures, polymerizing the gel, loading protein samples into wells, conducting electrophoresis, staining and visualizing separated protein bands, and analyzing the results. This process enables the separation of proteins based on their molecular weight, a fundamental technique in molecular biology and biochemistry research.

Haematology Analyzer

A haematology analyzer is a laboratory instrument used to automate the analysis of blood samples, providing comprehensive information about blood cell counts, haemoglobin levels, and white blood cell differentials. These analyzers are essential in clinical settings for diagnosing and monitoring a wide range of blood-related disorders with high throughput, precision, and efficiency.



Colorimeter

A colorimeter is a laboratory instrument used to measure the absorbance or transmission of light by a sample within the visible spectrum. It is widely used in scientific and industrial applications for quantitative analysis, allowing researchers to determine the concentration of a substance in a solution based on its absorbance of light at a specific wavelength. Colorimeters are valuable tools for quick, accurate, and precise measurements in various fields, including chemistry, biochemistry, environmental science, and food analysis.

Muffle Furnace

A muffle furnace is a laboratory instrument used for high-temperature heating applications such as ashing, calcination, and sintering. It consists of a refractory-lined chamber with a heating element that surrounds the chamber, allowing for uniform heating of samples placed inside. Muffle furnaces are versatile tools used in various scientific and industrial fields for processing and testing materials under controlled temperature conditions. They offer precise temperature control, rapid heating and cooling rates, and reliable performance, making them essential equipment in laboratories, research facilities, and manufacturing plants. A muffle furnace is a laboratory instrument used for high-temperature heating applications such as ashing, calcination, and sintering. It consists of a refractory-lined chamber with a heating element that surrounds the chamber, allowing for uniform heating of samples placed inside. Muffle furnaces are versatile tools used in various scientific and industrial fields for processing and testing materials under controlled temperature conditions. They offer precise temperature control, rapid heating and cooling rates, and reliable performance, making them essential equipment in laboratories, research facilities, and manufacturing plants.

Water Distiller

A water distiller is special equipment designed to produce contaminant-free water by transforming water into vapor before condensing into a liquid state. Water distillers replicate the Earth's natural filtration process to produce water of unmatched purity. Impurities, including germs, heavy metals, and arsenic, are removed during evaporation because they cannot transform into steam. These impurities remain in the boiling chamber when the water changes from a liquid to a gaseous state. The distiller cools the evaporated water, transforming it into pure, mineral-free drinkable water. This distilled water is utilized in various settings, including fermentation, the medical industry, clinics, and organic chemistry labs. Autoclaves, batteries, and other various kinds of equipment also use it.

Biostat Fermentor

Biostat Fermentors are bioreactors designed for the biotech and biopharmaceutical industries to optimize and characterize processes. They offer a high level of options for microbial processes and cell culture. A bioreactor is a vessel that provides an environment for enzymes or whole cells to transform biochemicals into products. It provides optimal conditions by providing optimum temperature, pH, substrate, vitamins, oxygen, etc.

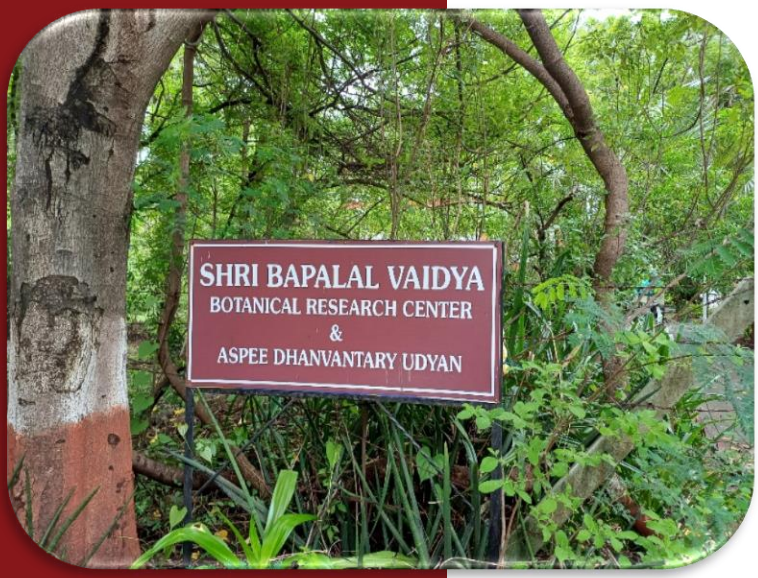
Weighing Balance

A weighing balance is a laboratory instrument used to measure the mass or weight of an object with high precision. It typically consists of a platform or pan where the object is placed and a mechanism that measures the force exerted by the object due to gravity. Weighing balances are essential tools in scientific research, quality control, and manufacturing, providing accurate measurements for various applications.

Rotary Evaporator

A rotary evaporator is a laboratory instrument used for distillation and solvent removal under vacuum conditions. It consists of heatable water or oil bath, a rotating flask, a condenser, and a vacuum pump. The sample is placed in the rotating flask, and under reduced pressure and controlled heating, the solvent evaporates and is condensed by the condenser. The condensed solvent is collected in a separate flask, leaving behind the concentrated sample. Rotary evaporators are commonly used in chemistry labs for applications such as concentration of solutions, purification of compounds, and solvent recovery. They are particularly useful for handling volatile solvents and heat-sensitive materials.

Shri Bapalal Vaidya Botanical Research Centre



Message of Founder & Former Faculty In-Charge

Professor Minoo Hiraji Parabia
M.Sc. , Ph.D, D.Litt.(Ayu),
F.E.S., F.I.A.T.

Former Professor and Head of Department of Biosciences
Founder of Shree Bapalal Vaidhya Botanical Research Centre and ASPEE Dhanvantari Udyan.

The Department was conceived under the UGC award in the year 1977. Dr. Raghothaman, Dr. U. M. Raval, Dr. Minoo Parabia (I have jointed in October 1977) had joined initially as the lecturer. Dr. Kiran Desai (joined as reader in December 1977) and Prof. B. S. Vaidhya (jointed as Professor on 1st Jan 1978; it was Sunday and university has specially remained open to protect beak in job) joined slightly later. The first batch of students was taken in the year 1978. We followed the vision of our leader and Head Prof. B. S. Vaidhya. Unfortunately, we lost Dr. Kiran M. Desai after his fatal illness. Very pleasant personality and the founder of many research projects in Zoology. Dr. Upendra M. Raval (our Muni Raval) resigned to establish his enterprise.

Professor Vaidhya was a leading Algologist and a man of substance, who gave the shape to the department and guided through the initial formative years. He trained us in the administration and the management of the academic Institution. Professor Vaidhya carried with him the legacy of his mentor, Dr. Vikram Sarabhai, with whom he shared the dream of establishing the Biological Research Laboratory in line of Physical research laboratory (PRL), at Ahmedabad. With the sad Untimely demise of Dr. Vikram the dream remained unfulfilled.

But the spark of the idea did kindle in his heart and therefore, when the idea of establishing Shri Bapalal Vaidhya Botanical Research Centre (BVBRC) was first floated by the leaders of Akhil Bharatiya Vanaushadhi AbhyasMandal (ABVAM), Shree V. R. Mehta, Shri Chunibhai Bhatt, Professor R. D. Adatia, Dr. Prafullchandra B. Vaidya and myself, he whole heartedly welcomed the idea and supported me in all respects. Unfortunately, we lost our beloved mentor Professor Vaidhya in 1989, before the dream materialised.

The Department was then led by Professor Dr. Pankaj K. Hiradhar. Professor Hiradhar had always been a great support. Very kind-hearted person with sophisticated demeanour, with whom I learned many things of life. He absorbed our faults, and guided us further.

The other colleagues in the sister branches, Dr. Pankaj Gadhia, Dr. Yogesh Thanki, Dr. Piyush Desai, Dr.Kewal Krishan, Dr. S. K. Tank andDr. M. N. Reddy always stood by us. The teaching and the research were the collaborative efforts. Being together solved many problems. Some other colleagues joined us for a short period and went ahead in their career, elsewhere.

Inception and the establishment of BVBRC was a journey through a rough road. All at ABVAM and my friends Professor Yogesh Thanki and Dr. M.N. Reddy and Dr.Krishnamurthy (presently at Uka Tarsadia University) stood by me and helped me out through difficult times.

We were lucky to receive the great academic inheritance of personal libraries of Professor G. L. Shah (my research guide at S. P. University, Vallabh Vidyanagar), Professor J. J. Shah (former professor at S. P. University and Ph. D. Guide of Dr.Thanki), Dr. Vishnu Mittre of Birbal Sahni Paleobotanical Research Institute, Lucknow and Shree Lallubhai M. Patel of ASPEE, Foundation, Tansa.

The donations flowed through the society and finally the BVBRC was inaugurated in the year 1994.Throughout the tenure, the Vice Chancellor Sir (Professor B.A. Parikh) and the University administration afforded us the whole-hearted support.

Dr.Kailashben Patel, joined us as an assistant professor. Since then she had been the ardent supporter of all the academic and the extra-curricular activities of the department. She is the present HOD.

The centre soon became a place of academic interest as schools, colleges interested in plants and farmers, AYUSH practitioners kept visiting to see the plants as well as receive guidance in plant related matters. This centre is by the people and for the people. Word people include all of us, teachers, students and the general public who strive to be with nature.

I humbly request you all to carry this dream further and be the foundation stone of this developing country, our beloved Bharat.

જયભારત, જયહિંદ.

Biosketch: Prof. Minoo Hiraji Parabia Founder of BVBRC

Dr. Minoo Hiraji Parabia Born 1948, Retired as Professor & Head, Dean of Science Faculty, after serving 37 years at Dept. of Biosciences, Veer Narmad South Gujarat University,.

Recipient of Doctor of letters: Honoris Causa from Gujarat Ayurveda University, Jamnagar by Governor of Gujarat Acharya Devvrat on 25.04.2023.

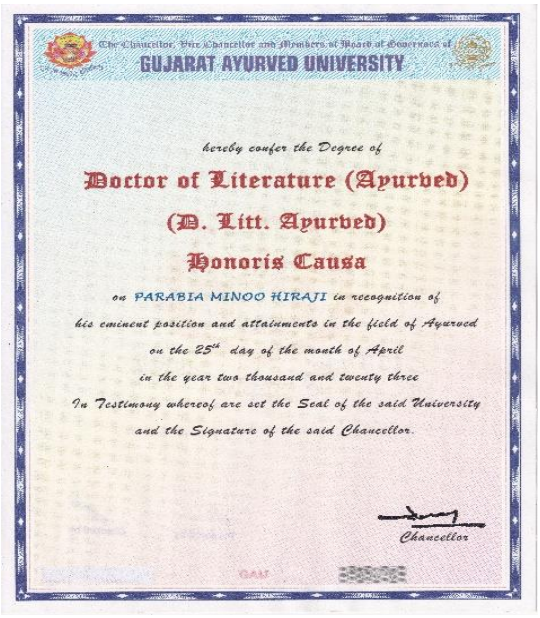
Learnt Fellowship:

F.E.S. - Fellow of Ethnobotanical Society

F.I.A.T. - Fellow of Indian Angiosperm Taxonomy

Received Life Time Achievement Award from SRISTI, Ahmedabad.

Established Shri Bapalal Vaidya Botanical Research Centre in 1994, solely devoted to the studies in medicinal plants on the campus of Veer Narmad South Gujarat University, Surat.


The Chancellor, Vice Chancellor and Members of Board of Governors of

GUJARAT AYURVED UNIVERSITY

hereby confer the Degree of

Doctor of Literature (Ayurved)

(D. Litt. Ayurved)

Honoris Causa

on PARABIA MINOO HIRAJI in recognition of his eminent position and attainments in the field of Ayurved on the 25th day of the month of April in the year two thousand and twenty three

In Testimony whereof are set the Seal of the said University and the Signature of the said Chancellor.

Chancellor

Dr. Yogeshchandra J. Thanki
Former Professor - Botany
Area of Specialization : Plant Anatomy

Prof. Y. J. Thanki : Senior Colleague and Co-worker during Establishment of BVBRC

Large number of plants are used medicinally. They are a vital source of both curative and preventive medical therapeutic preparations for man. They are. also used as the source of bioactive compounds. Treatment with herbal medicines also hold a strong ground because these plants are considered to be safe and have no or minimal side effects. Ayurvedic herbs are known to treat the disease from the root and thus aid in keeping people healthy and fit in long run.

To fulfill the requirement of better herbal drugs, a research center BVBRC was established by Prof. M.H. Parabia of Department of Biosciences of VNSG University. I was his colleague and the partner in all the aspects of development of this center. We approached to different, industrialists, businessmen, politicians, social workers etc., to get donation for the development of BVBRC. The main donor was late Shri Lallubhai Patel (Owner of ASPEE) who donated a large amount (fifteen lakh) as well as instruments and furniture for lab, which I and Prof.Parabia brought in a fully loaded truck from Mumbai. We received lots of research literature and books from Prof. J.J. Shah and Late Prof. G.L. Shah which made our library richer.

During my association with BVBRC, I investigated anatomy of medicinal plants and which was useful in identification of medicinal plants and to discover adulteration in herbal drugs. Along with this I have also studied the histochemistry of medicinal plants. The localization of different substances, like Alkaloids, Lipids, Polysaccharides, Suberin etc., were investigated to confirm the utility of those herbs as drugs. Along with research, BVBRC also organized different research workshops, seminars, conferences, etc., useful to students, botanists and the society.

Because of the help, support and guidance of head of the department Ms. Prof. K. P. Patel and hard work, perseverance and expertise of Dr.Farzin Parabia and his colleagues BVBRC will flourished faster.

My best wishes to Prof. Ms. K.P. Patel, Dr. Farzin Parabia and all staff members and students of Biosciences department.

Prof. M. N. Reddy: Former Faculty In-Charge & Founder of Prof. Minoo Parabia Endowment Fund

Dr. M. N. Reddy started with this department as a Master's student. First NET qualified candidate of this Department. Presently he is abroad. His message is awaited. Duty bound, this brief introduction is added by his former colleague Prof. M.H. Parabia.

He did his doctorate under Professor, B. S. Vaidhya. He joined this department as laboratory assistant and later he climbed the ladder of progress.

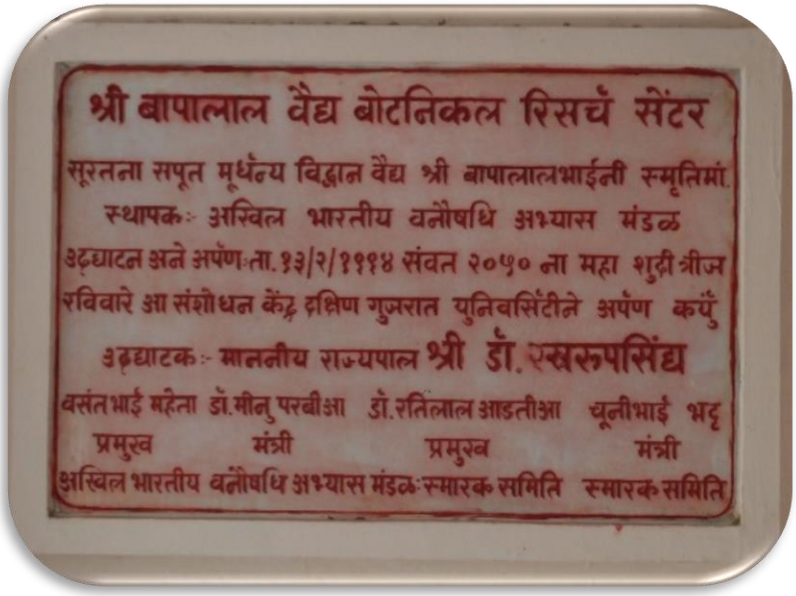
Excellent teacher and hardworking colleague. It is said that "Busy person always finds time".
Dr. Reddy was the glaring example. He will never procrastinate any job, under the pretext of no time.

Whoever, was the head, Dr. Reddy was the sincerest support in running the department. As I remember, amongst us, he was the first to learn computers, when they started appearing on the horizons of this university. I learnt its operations from him. He made my first e-mail id.
Very thoughtful researcher and visionary.

I wish him a happy and healthy life.

Shri Bapalal Vaidya Botanical Research Centre

Established in 1994 in the memory of Late Shree Bapalal Vaidya. Shri Bapalal Vaidya was reconvened Ayurveda practitioner in his time. He was freedom fighter and he has established Swami Atmanad Saraswati Ayurvedic College at Surat. The credit goes to Swami Atmanad, who brought Shri Bapalal Vaidya to Surat and the rest of his life dedicated in Surat. Surat has Shri Bapalal Vaidya Khacho in Gopipura, where he was serving his clinic. The BVBRC was established under the Department of Biosciences and governed by Veer Narmad South Gujarat University. The entire center was established from the donations received from the society. The center is engaged in the academic and research activities in the area of Botany and Medicinal Plants. BVBRC is having the facility of Cell Culture& Plant Tissue Culture with botanical garden, net-poly house, animal house (additional experimental room) and herbarium. The center is still running and maintained from the donations and the interest gained. BVBRC has “Prof. Minoo Parabia Endowment Fund”, assigning two Gold Medals and financial support in research and academics to the students.



Who is Shri Bapalal Vaidya?

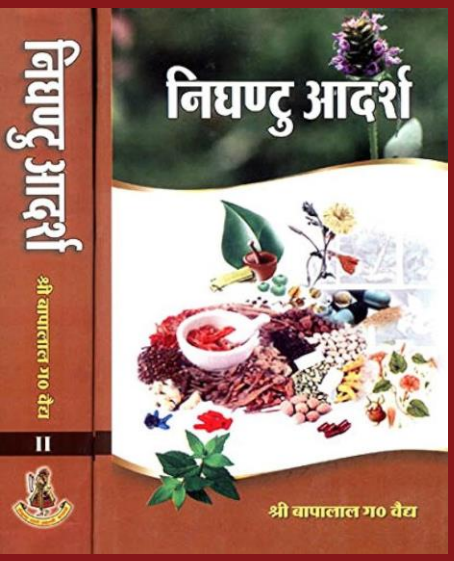
The original surname of Shri Bapalal Gardbad-das Vaidya was "Shah". He was born on 17th September, 1896 in Sansoli village of Panchmahaldistrict. He lived for 78 years and passed away on 10thDecember, 1983. Recently we have celebrated 125th birth anniversary of him. He has written more than thirty books. His most renowned book is *Nighantu Aadharsh*, written in two volumes, covered information of 331 medicinal plants with description, uses, reference in Ayurveda with scientific name, and common names. The book has multiple index like disease-basedindex along with common and scientific name-basedindex. He has receivedRanjitram Gold Medal from Gujarat Sahitya Parishad in 1965. The postal stamp has been released with his picture.

He has learned Ayurveda from Raj Vaidya Amrutlal Pattani living in Zadeshwar village near Bharuch and learned botany from well-known botanist of Porbandar district Shashtri Shri Jaykrushna Indrajit Thakar. In 1932 he played significant role in freedom fighting and want to prison in Visapur jail. He had treated other freedom fighter prisoners with kitchen remedies and plants growing in surrounding areas. He had started practicing Ayurveda in village Hansot.

His brilliance was noticed by Swami Shri Atmanand Saraswati and he has invited him to Surat. ShirBapalal Vaidya came to Surat and established Shri O.H. Nazar Ayurved College and Hospital. He had served from 1946 to 1965 as Principal of the college. He has also established Shree Swami Atmanand Saraswati Ayurvedic Sahakari Pharmacy Ltd. In Surat. The place where he was operating his OPD is still known as Bapalal Street (*Bapalalno Khacho*) in the area of Gopipura, Surat. He was so renowned that the post card with the address of "Bapalal Vaidya, Surat" would reach to his place.

He always says Vaidy's (who practice medicine) guru is Grocer (who sold medicines) and Grocer's guru is tribal (who collect medicine from forest). Means scientific identification is missing during the application of herbal medicines. He has established Akhil Bhartiya Vanoushdhi Abhyas Mandal to provide platform for Vaidyasto study scientific identification of plants. The same institution was pioneer during the establishment of Shri Bapalal Vaidya Botanical Research Centre.

Contribution of Shri Bapalal G. Vaidya



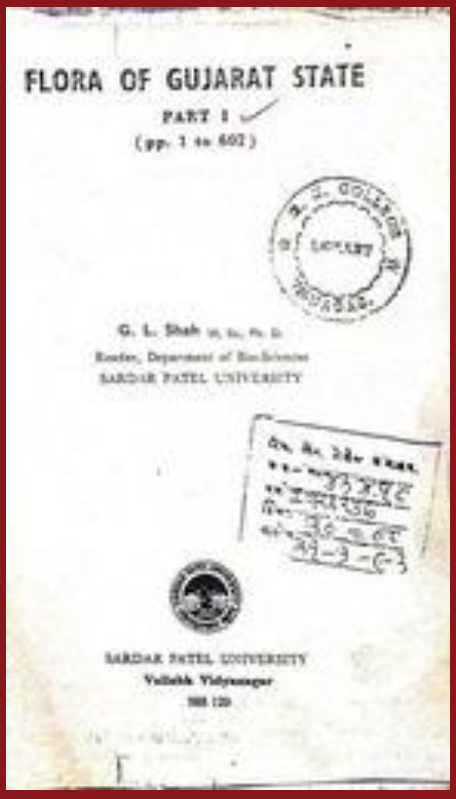
Vaidya Shri Bapalal Garbaddas Shah, the renowned botanist and scholar of Ayurveda, became synonymous with Ayurveda, and his last name was abandoned somewhere in antiquity and become known as Bapalal Vaidya. He received his training in guru *parampara*. He started his career as an Ayurved practitioner in Hansot near Surat. He came to Surat in response of invitation by Swami Atmanand Saraswati. During his time he wrote about 44 books starting with Din charya. He received his training in plants identification from the great Botanist Shri JaikrishnaIndraji of Kachchh.

In appreciation of his expertise in plant identification he was appointed a chairman of federal committee on **"Controversial Medicinal Plants."** His magnum opus is **"Nighantu Adarsh"** a two-volume work depicting the plants used in Ayurveda. Nighantu is an English word for Materia Medica. The book started with very elaborate preface extending in to about 130 pages. Here he is tracing the world history of herbalists-Botanists and herbalism- use of plants as medicine. He has amphasized also on the Indian history of herbal science. The preface cum introduction explaining the Ayurvedic terms in its modern percept. There is a special mention and lengthy discussion on the controversial identity of some of the medicinal plants like Some Valli, Gandhir, Tamarind, Astavarga etc. The actual Nighantu, the materia medica proper runs through two magnificent volumes called Purvardh and Uttarardh. The materials (plants) are arranged according to the classification system of Bentham & Hooker, presently in use in India. First volume comprises families from Ranunculaceae to Apocynaceae and the second volume from Asclepidaceae to Gramineae including pteridophytes, Gymnosperms and some of the thallophytes too. Perhaps this is the first work of Indian Origin after Jaikrishna Indraji where the modern system of classification and Latin nomenclature is adopted with great care. Utmost care is taken to provide the correct identification of the plant, wherever controversy exists or confusion persists he has mentioned them all along with his own opinion duly supported with evidences. Each family/natural order is botanically described with the mention of some of the well-known plants – not existing in Ayurvedic literature, but useful – in a brief note. Sanskrit names with Philologic note on their origin are given for each and every plant. Each plant species bears its brief morphological description, geographical origin and distribution, useful part of the plant and recommended dose. A thorough review comprising all the available literature on the particular species is given meticulously in Sanskrit as well as its Gujarati translation.

References to modern literature and modern works concerning the phytochemistry and clinical research are amazing. He has strived at his best to bring about logical conclusion on deciding the plants of controversial identity. Names of other Indian languages of the plant are also appended. The compounded medicines of Ayurvedic origin where each plant is used are mentioned as Yog / Kalpa along with the discussion on each species. In addition to contemporary Ayurvedic medicines, he has included plants used in Unani and Allopathic systems as well. He has been much ahead of his time and so open minded that he has mentioned the shortcomings and limitations too along with the importance of ancient system. The work is appended with exhaustive indices of common – vernacular names, Gujarati names, Sanskrit names and also Latin names. The book is the great contribution in the field of Dravyaguna Shastra for the students of Ayurveda as well as an encyclopaedic guide to the students of Botany who wish to carryout modern research in the field of usefulness of plants as medicine.

List of books written by Shri Bapalal Vaidya

1. નિઘંટુ આદર્શ (ગુજરાતી) ભાગ 1 - 2	17. આયર્વેદવિજ્ઞાનિક દ્રષ્ટિ
2. **निघटं आदर्श (हिन्दी)**	18. આપણો ખોરાક
3. દિનચર્યા	19. આરોગ્ય પાઠાવલી
4. ઘરગથ્થું વૈદક	20. ચરકનો સ્વાધ્યાય (ભાગ 1-2)
5. વદ્ધત્રયીની વનસ્પતિઓ	21. ઘરગથ્થું દવાઓ
6. અભિનવ કામશાસ્ત્ર	22. સ્વસ્થવૃત્ત
7. વૈદ્યકીય કાયદાશાસ્ત્ર	23. અષ્ટાંગ હૃદયનુંગુજરાતી ભાષાંતર
8. વનસ્પતિ શાસ્ત્રી જયકૃષ્ણજીઇન્દ્રજીનું જીવનચરિત્ર	24. સો સુંદર વનસ્પતિઓ
9. ગુજરાતની વનસ્પતિઓ	25. મધપ્રમેહ
10. ઉદ્ભિજ્જ શાસ્ત્ર - વનસ્પતિવગીકરણ	26. દ્રવ્યગુણ શાસ્ત્ર
11. ભારતીય રસશાસ્ત્ર	27. નસ્ય ચિકિત્સા
12. દમ - અસ્થમા	28. વાડીવાડીના ઓસડીયા
13. સંસ્કૃત સાહિત્યમાં વનસ્પતિઓ	29. ઘરઘરના ઓસડીયા
14. ખોરાકના તિત્વો	30. વનવનના ઓસડીયા
15. આયર્વેદ વ્યાખ્યાનમાળા	31. Some Controversial Drugs in Indian Medicine
16. આયર્વેદ વિહંગાવલોક્ન	



How Minoo Parabia comes in contact with Shri Bapalal Vaidya?

Shri Bapalal Vaidya has arranged workshop on identification of medicinal plants and invited renowned taxonomist who has written Flora of Gujarat, Dr. G.L. Shah from the Department of Biosciences, Sardar Patel University. Destiny was arranging meeting of Minoo Parabia with Bapalal Vaidya. Dr. G.L. Shah was busy and during those time Minoo Parabia was doing his Ph.D. under him. He referred him to Shri Bapalal Vaidya and this was the situation when Minoobhai came in contact with him and become his sincere disciple.

Inauguration

Shri Bapalal Vaidya Botanical Research Centre was inaugurated on 13th February, 1994 on the day of Sunday by Honourable Rajyapal Shri (Dr.) Sarup Singhin the auspicious presence of the members of Akhil Bhartiya Vanoushdhi Abhyas Mandal and Smark Smitiare Vaidya Shri Praful Vaidy (Son of Shir Bapalal Vaidya), Dr. Minoo Parabia himself, President Dr. Ratilal Adatiya and Managing Trustee Shri Chunibhai Bhatt.

Honourable Rajyapal Shri (Dr.) Sarup Singhin and VC Dr. B.A. Parikh

Inauguration-BVBRC by Honourable Rajyapal Shri (Dr.) Sarup Singhin

Foundation & Building Components of BVBRC

Minoobhai has given free medical advice to people throughout his life. During day time he worked in the university and in evening people are waiting in line at his home for medical advice. His service to the society still continues. All his dedication towards Shri Bapalal Vaidya lead to the establishment of this centre at the university campus as an extension of Department of Biosciences. The donations initially channelized by Dr.Minoo Parabia was accepted in the account of Akhil Bhartiya Vanoushdhi Abhyas Mandal to construct the building on the land donated by Veer Narmad Sough Gujarat University.

His friend and colleague Dr. (Prof.) Yogesh Thanki have always been with him during the applications of the donations. His own Ph.D. student and later on becomes his subordinate Dr. (Prof.) M.N. Reddy have worked by rubbing shoulder to shoulder to collect the donations and establishment of the centre. After the retirement of Prof. Minoo H. Parabia, he will become the faculty in-charge of the centre and retired on 15th June, 2022 as Head of the Department of Biosciences.

The first donation of rupees thirty-five thousand was given by Vaidya Shri Narsihbhai Bhaootand foundation of the building was initiated in 1992. The building was inaugurated on 13th February, 1994 on the day of Sunday by Honourable Rajyapal Shri (Dr.) Sarup Singhin the auspicious presence of the members of Akhil Bhartiya Vanoushdhi Abhyas Mandal and SmarkSmitiare Vaidya Shri Praful Vaidy (Son of Shir Bapalal Vaidya), Dr. Minoo Parabia himself, President Dr. Ratilal Adatiya and Managing Trustee Shri Chunibhai Bhatt.

The building contains Shri Shantilal Shah Museum Hall, Shri Harichand Maheta Library Hall, Medicinal Plants Research Laboratories (two) to the name of ZANDU and ASPHA, the donors of BVBRC. Shri Shantilal Shah Memorial Trust, Mumbai donated 1 lakh, ZANDU donated 2 lakhs, ASPHA donated 1 lakh, Harichand Mehta Public Charitable Trust, Kolhapur donated Rs. 50,000/-. The centre is having botanical garden named ASPEE Dhanvantari Udhyan. Donor Late Shree Lallubhai Patel owner of ASPEE (American Spring & Pressing Works Pvt. Ltd.) has given donation of 15 Lakhs from ASPEE Charitable Trust. This contribution was highest among the donations received during the construction of BVBRC. After the retirement of Prof. M.N. Reddy who has served his entire life to the Department of Biosciences and retired as Head, who were also in-charge of BVBRC and founded of Prof. Minoo Parabia Enduement Fund, we have collected donation of Rs. 2,96,002/- to develop Prof. M. N. Reddy Phytochemistry & Nanotechnology Laboratory after his name at BVBRC.

Building Components

Inception	**:**	**13th February, 1994**
Funding	:	Created by collecting donations, consultancies and the project grants
Donations	:	Approximately Rs. 25 lacs at the time of building foundation
Grants	:	Rs.7.15 lacs (Ministry of Environment and Forest, Govt. of India) for Net-Poly House, Animal House and Fencing.

Building components

No.	Name of the Room	Purpose	Floor
1	Shri Shantilal Shah Museum Hall	Museum & Herbarium	Ground Floor
2	Shri HarichandMaheta Library Hall	Study Room	Ground Floor
3	ZANDU Medicinal Plants Research Laboratory	Research Lab	First Floor
4	ASPHA Medicinal Plants Research Laboratory	Research Lab	First Floor
5	Dr. M.N. Reddy Phytochemistry & Nanotechnology Lab	Research Lab	Second Floor

Foundation & Building Components of BVBRC

1	Shri Shantilal Shah Museum Hall	Museum & Herbarium	Ground Floor

2.	Shri HarichandMaheta Library Hall	Study Room	Ground Floor

3.	ZANDU Medicinal Plants Research Laboratory	Research Lab	First Floor

4.	ASPHA Medicinal Plants Research Laboratory	Research Lab	First Floor
5	Dr. M.N. Reddy Phytochemistry & Nanotechnology Lab	Research Lab	Second Floor

Incumbency

Faculty In-Charge of Shri Bapalal Vaidya Botanical Research Centre

Sr. No.	Name	From	To	Contribution
1.	Prof. Minoo H. Parabia	1994	2010	Founder & Faculty in-charge
2.	Prof. M.N Reddy	2010	2022	Co-Founder & Faculty in-charge
3.	Dr.Farzin M. Parabia	2022	Till date	Faculty in-charge

Convener of Prof. Minoo H. Parabia Endowment Fund

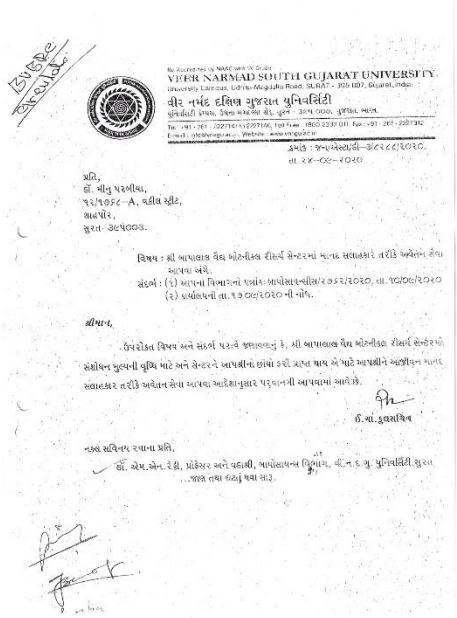
Sr. No.	Name	From	To	Contribution
1.	Prof. M.N Reddy	2012	2022	Founder & Convener
2.	Dr.Farzin M. Parabia	2022	Till date	Convener

Administrative Organization

Prof. (Dr.) Kailash P. Patel
Head
Department of Biosciences

Dr. Farzin M. Parabia
Associate Professor
BVBRC Faculty In-Charge & Convenor- Prof. Minoo Parabia Enduement Fund

Advisory Committee Members


VEER NARMAD SOUTH GUJARAT UNIVERSITY
વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી

Dr. Minoo Hiraji Parabia
Former Professor & Head
Appointed as Life Time Advisor

Dr. M. N. Reddy
Former Professor & Head
Department of Biosciences

Vaidya Anand P Vaidya
Donor, BVBRC

Dr. Yagnesh Vyas (Ret. Professor)
Dravyaguna Department, Shri O.H. NazarAyurved College, Surat

Prof. (Dr.) Rajesh Patel
Department of Biosciences, VNSGU

Dr. Sanjay Pandya
Associate Professor, Navyug Science College, Surat

Dr. Arvind Saklani
Vice President, Agri Biotechnology, Sami Labs, Banglore

Mr. Rajendra Chokhawalla
Ex. President, Chamber of Commerce, Surat

Skill Vigyan Program

Skill Vigyan Program under National Skill Development Corporation (NSDC) is sponsored by DBT & GSBTM. The program has three months training for Lab Technician-Research and Quality Control (LFS/Q0509) in the sector of Life Sciences, Sub-Sector: Pharmaceutical and Biopharmaceutical. Student will receive studentship of Rs. 5000/- per month during the training.

Visited AAU

Visited GBRC, Gandhinagar

Visited GBU, Gandhinagar

Visited DMAPR, Boriavi, Anand

Dept. Biosc., VVN

SICART, VVN

Research Projects

Amount	Funding Agency
Rs. 04.01 lacs	GEER Foundation
Rs. 07.15 lacs	Ministry of Environment and Forest
Rs. 04.10 lacs	Gujarat Ecological Society
Rs. 03.10 lacs	Department of Ocean Development, Govt. of India
Rs. 65.00 lacs	Department of Science and Technology, Govt. of India
Rs. 09.80 lacs	Gujarat State Biotechnology Mission (GSBTM)
Rs. 32.00 lacs	Post Graduate Diploma in Medicinal and Aromatic Plants (UGC)
Rs. 12.30 lacs	National Medicinal Plant Board (NMPB), Ministry of AYUSH
Rs. 07.10 lacs	DBT-GSBTM Sponsored Skill Vigyan Program

Consultancies

- Gujarat Environmental and Ecological Research Foundation, Gandhinagar(GEER)
- Citurgia Biochemicals, Surat
- National Thermal Power Corporation (NTPC), Surat
- KRIBHCO, Surat
- Manav Vikas Sansthan, Surat
- India Gelatine Ltd. Vapi

Features

- **Building with 3700 ft.sq. of built up areaand botanical garden**

- **Research laboratories**
- **Plant Tissue culture**
- **Animal Cell Culture**
- **Herbarium**
- **Museum**
- **Sectional Library**
- **Seminar Hall**
- **Net & Poly House**
- **Aquarium House**
- **Vermicompost**
- **Garden Pond**
- **Nursery**

- **Botanical Garden :** ASPEE DHANVANTARI UDYAN (about 250 taxa)
- **Herbarium :** Approximately 2500 specimens
- **Seed herbarium :** Approximately 700 specimens
- **Museum :** Approximately 300 exhibits

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Herbarium and Museum










- Net & Poly House
- Aquarium House
- Vermicompost
- Nursery

- Garden Pond

Research laboratories

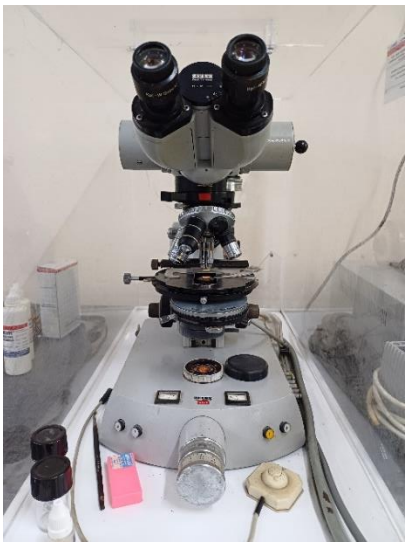




Animal Cell Culture




Research Facilities and Instruments



- Plant Tissue culture
- Animal Cell Culture
- Phytochemistry
- Microscopy
- Seminar Hall

Thrust areas

Field Visit of Padamdungari

I. Biodiversity

II. Plant Tissue Culture: Micropropagation and *In vitro* drug production

III. Medicinal Plants

- Ethnomedicinal documentation
- Pharmacognostic evaluation
- Revalidation of tribal claims
- Preclinical trials
- Nutrition & Neutraceutical potential of wild plants
- Standardization of raw materials as well as herbal drugs
- *In silico* screening of Phytochemicals

Donations Received at BVBRC

Donation received at BVBRC is around Rs.97,75,457/- including Prof.Minoo Parabia Endowment Fund and the donation collected after the retirement of Prof. M.N Reddy to develop Prof.M.N Reddy's Phytochemistry and Nanotechnology Laboratory

Sr. No	Name of Donors	Rs.
1.	In the Memory19. of Late Shri Bapalal Vaidya By His Family Members & Anand Vaidya	30,50000
2.	In the Memory of Late Shri PestonjiEruchshah Contractor and Miss DoliEruchshah Contractor byMinooParabia, YazdiKaranjiaand Dara Mistry	23,50000
3.	ASPEE Charitable Trust	1500000
4.	Zandu Pharmaceutical Works Ltd. Bombay	200000
5.	Shri Swami AtmanandSaraswati Ayurvedic Sahakari Pharmacy Ltd.	100000
6.	Shantilal Shah Memorial Trust,Bombay	100000
7.	SNI Consultants LLP	51000
8	Dr.Jigna Desai	51000
9.	Arihant Lubricants Pvt Ltd	51000
10.	Shri DushyantbhaiAnjaria	51000
11.	Harichand Mehta Public Charitable Trust,Kolhapur	50000
12.	The Surat District Co.OP. Bank Ltd.	50000
13.	Citurgia Biochemicals	50000
14.	Shri AswinbhaiVasavda	50000
15.	Shri NarsibhaiP.Bhaoot	35000
16.	N T P C,Surat	30000
17.	K.G.Mavani M.L.A Fund	27000

18.	Dr. Minoo And Dinaz Parabia	25000
19.	Dr.Smita Pathak	25000
20.	SuruchiTrust,Surat	25000
21.	Khedut Sahakari Khand Udyog Mandli.Ltd.	25000
22.	KRIBHCO	25000
23.	Dr. A.P. Singh	21000
24.	The Surat Peoples Co.Op. Bank	15111
25.	The Gujarat Institute of Civil Engineers & Architects	15000
26.	Mr.&Mrs. Gazadar Charitable Trust,Bombay	15000
27	Dr.Dhirubhai Desai(In Kinds)	12000
28.	Ms. Rupal K. Pandya	11000
29.	Honest Trading Co.Op.Pvt Ltd., Bilimora	10001
30.	Surat District Co.Op.Spinning Mills Ltd.	10001
31.	Dr. Rajesh K. Patel	10000
32.	Himson Textile Engg.Inds.Ltd., Surat	10000
33.	Gram SevaSamaj,Vyara	10000
34	Manjulaben M.	10000
35.	Dr. Chintan B. Bhagat	10000
36.	Shri A.S.Maniar	6000
37	Mr.Cyrus Cooper(Uk)	5840
38.	Shri N.S.Maniar	5000
39.	Dr.A.S.Gosalia	5000
40.	Shri Janardan Trivedi	5000
41.	DipchandGardi Charitable Trust	5000
42.	Dr.P.K.Desai,Span Diagnostic	5000
43.	Rachna Fabrics Smt.SuhasbenJetendrabhai Shah	5000
44.	Dr. B. Suryanarayana	5000
45.	Shri ArvindbhaiLodhawala	5000
46.	Kunal Synthetics	5000
47	B.K.G.K. Mevavala	5000

48.	Shri Ramkrishna Mandal	5000
49.	Dr. Rajendra Naik	5001
50.	Dr. Farzin And Roohana Parabia	5001
51.	Dr. Falguni Sheth	5000
52.	Dr. Ghanshyam D. Lathiya	5000
53.	Dr.Jagruti Rana	5000
54.	Mr. BhuvneshAsija	5000
55.	Alpana Shukla	5000
56.	Rakesh B. Dave	2500
57.	Dr. Falguni Bharatbhai Panchal	2000
58.	Ms. FarishteBharucha	2000
59..	Dr. Vijay Shastri	1001
60.	**Total:**	Rs. 81,89,456/-

Donations received at Prof. Minoo Parabia Endowment Fund

No.	Name of Donors	Rs.
1.	Hari Om Ashram, Surat	1050000
2.	Parishram Welfare Trust,Vapi	100000
3.	Dr. Kailash & Priteshkumar A Patel	51000
4.	Temuras Ardshir Pandal	51000
5.	Mr.Thakorbhai Patel,Udavada	25000
6.	Span Diagnostics Ltd.	25000
7.	Pradipkumar Keshavlal Desai &Lataben Pradipkumar Desai	25000
8.	The Adarsh Sahkari Ghar Bandhnari Mandali Limited	63000
9.	Dr. Anirudh Pratap Singh IFS, Ph. D.	21000
10.	Dr.Meena Atul Shah, Surat	20000
11.	Sadbhav Foundation, Mumbai	11000
12.	Ms. Falguni K.Sheth	11000
13.	Prasad Biotech,Valsad	10000
14	Amiben Parikh, Pardi	10000
15	B.H. Antia,Mumbai	10000
16.	Mr.Navina M. Mehta	7000
17.	Mr.Chirag Surendrabhai Shah,Narayan Powertech Pvt Ltd.	6000
18	Kapila Manoj Menon,VNSGU,Surat	5001
19.	IshwarlalMaganlalPrajapati,Sardar Market,Surat	5000
20.	Mr.Rameshbhai T.Jadhav,Nasik	5000
21	Krishna Enterprise,Surat	5000
22.	Dr.Amar Singh,Barailee,UP	5000
23.	M.Shantha Reddy,Surat	5000
24	Arvind Deodara,Shreeji Creation	5000
25	Pollucon laboratories Pvt Ltd	5000
108	**Total:**	**15,86,001/-**

Activities of Prof. Minoo H. Parabia Endowment Fund

Prof. Minoo H. Parabia Endowment Fund was established by Dr. M.N. Reddy after the retirement of Prof. M.H. Parabia in 2010.

Dr. M.N. Reddy was pioneer during the foundation of BVBRC and worked together with Prof. M.H. Parabia.

The maximum contribution was given from Shri Hari Om Mota Ashram, Surat. The Department of Biosciences are having Two Gold Medals for PG students from the donation of Prof. Minoo H. Parabia Endowment Fund has named as

(1) Hari Om Ashram Prerit Dr. Minoo Parabia Gold Medal in M.Sc. ZOOLOGY, and

(2) Hari Om Ashram Prerit Dr. Minoo Parabia Gold Medal in M.Sc. MICROBIOLOGY.

The department is already having Vaidyaraj Bapalal Vaidya Gold Medal in M.Sc. BOTANY.

Therefore, these two medals are assigned to another two disciplines. The rest part of the amount was converted into corpus fund and utilized to conduct academic and research activities are organized during every year from the Prof. Minoo H. Parabia Endowment Fund.

Recently Planned Activities

Invited Lecture by Dr. Vimala Yerramillihas, former Pro Vice Chancellor, Head and professor of botany, Meerut university delivered a lecture on "Climate Change: Impact on Biodiversity Conservation". It was organized from the corpus of Endowment Fund on 15th September, 2023. Dr.Vimala Yerramilli was former Pro-Vice-Chancellor of C.C.S University-Meerut, Professor & Head of the Department of Botany, Dean of Faculty of Science. We had 80 registered participants for the event.

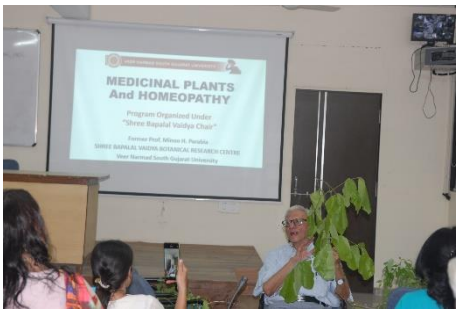
One Day Workshop "Sanjivani Divas" under the aegis of G20 was organized on 27.09.2023 in the September month having Birth Anniversary of Late Shri Bapalal Vaidya. Invited resource person was Prof. Minoo H. Parabia who has given light on the life and work of late Shri Bapalal Vaidya and delivered lecture on "Plants: Value Addition and Application". Participants 140 has attended the event and trained for the cultivation of medicinal plants. Cuttings of *Adhatodavasica*, *Cissus quadrangularis*, *Coleus amboinicus*, *Vitex negundo*, germination of *Caryota urens* seeds, seedling transfer of *Sterculia foetida* has been done by the participants.

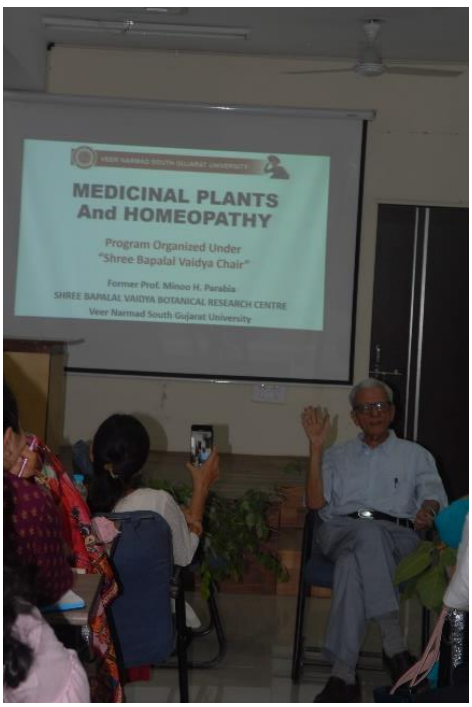
Establishment of Shri Bapalal Vaidya Chair & Activities

Shri Bapalal Vaidya Chair is established from the corpus of Rs. 10 lakhs donated by Hindu United Family & Anand Prafulchandra Bapalal Vaidya to conduct various academic activities. Normally two academic events are organized under the umbrella of Shri Bapalal Vaidya Chair every year. Birth anniversary of Shri Bapalal Vaidya on 17th September is celebrated with an event of Seminar organized from this fund.

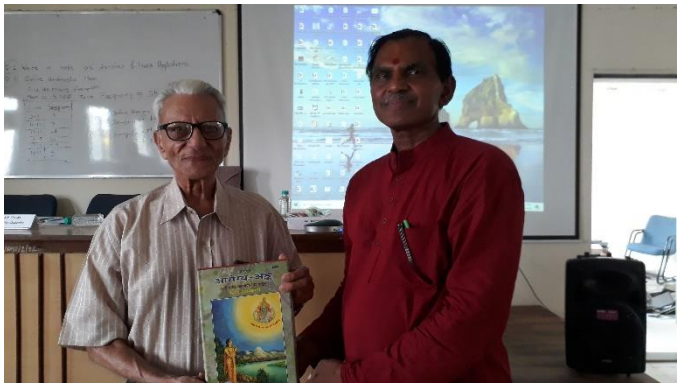
Seminar on Medicinal Plants

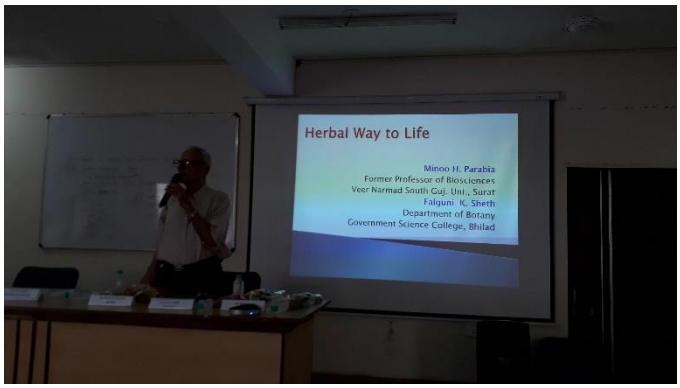
Homeopathy Doctors Workshop

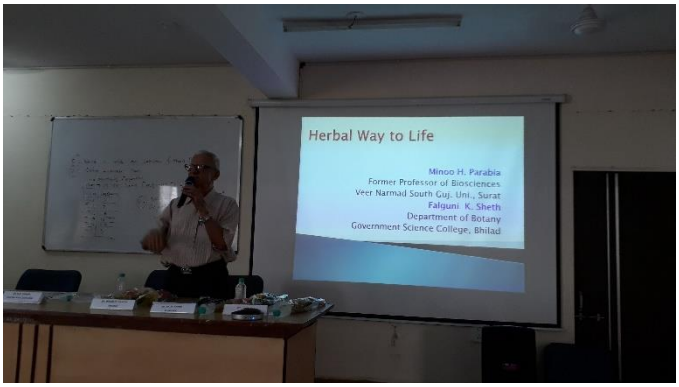




A Seminar on Herbs and Health_BVBRC Function







Corpus Fund for Research & Maintenance

Bank interest gained from respected FDs will be utilized for research, development and academic activities. Shri Bapalal Vaidya Chari is organizing workshops, conference and guest lectures. Maintenance of the building is done with the interest of 10 lakh corpus. Similarly, botanical garden is maintained by the corpus of 10 lakhs. Late Shri Pestonji Eruchshah Contractor and Miss Doli Eruchshah Contractor fund is maintained by Prof. Minoo H. Parabia, Padma Shri Yazdi Karanjia and Mr. Dara Mistry. They have donated Rs. 20 Lakh to create corpus for research and development activities at BVBRC. Prof. Minoo H. Parabia Endowment Fund has sponsored two gold medals and the rest is kept as corpus from which several activities like academic events, supporting needy students for academic and research, garden maintenance is done.

Sr. No.	Purpose of Corpus	Name of Donor	Corpus (INR)
1.	Shri Bapalal Vaidya Chair	Hindu United Family & Dr. Anand Prafulchandra Bapalal Vaidya	10,00,000/-
2.	Maintenance of BVBRC building	Hindu United Family & Dr. Anand Prafulchandra Bapalal Vaidya	10,00,000/-
3.	ASPEE Dhanvantari Udhyan	Hindu United Family & Anand Prafulchandra Bapalal Vaidya	10,00,000/-
4.	Research & Development	In the Memory of Late Shri Pestonji Eruchshah Contractor and Miss Doli Eruchshah Contractor	20,00,000/-
5.	Prof. Minoo H. Parabia Endowment Fund	Collected from Society	9,00,000/-

Foundation & Building Components of BVBRC

- **Lallubhai Patel**

  - Owner of American Spring & Pressing Works Pvt. Ltd. known as ASPEE.
  - He has Gandhian personality with Sardar's decision power.
  - His village was Tansa.
  - He has given donation of rupees fifteen lakh at the time of building construction, the most significant contribution.
  - He has established centre for young farmers to conduct research with all the basic equipments and library.
  - A young farmer can conduct research without any degree and expense to extend the results for benefit of the society.
  - However the mentality of certificate driven learning approach has not attracted youngster much in that concept.
  - He has donated many of that equipment and books to BVBRC.

Anand Prafulchandra Bapalal Vaidya & Hindu United Family

Dr. Prafulchandra Vaidya was a son of Shri Bapalal Vaidya and Dr. Anand Vaidya is son of Dr. Prafulchandra Vaidya and grandson of Shri Bapalal Vaidya. The family is living in Surat. They have family trust as Hindu United Family and donated twenty lakh rupees out of which ten lakh corpus is utilized to create Shri Bapalal Vaidya Chair and another rupees ten lakh corpus is utilized for the maintenance of building. Dr. Anand Vaidya has donated another rupees ten lakh to create corpus for the maintenance of garden. This family has given more than Rs. 30,50,000/- donation to BVBRC. Dr. Anand Vaidya has donated drainage system and waterproof top coat to the building.

Shri Hari Om Mota Ashram, Surat

Shri Hari Om Mota Ashram, Surat has donated total of Rs. 9,50,000/- in phases to the BVBRC and Prof. Minoo Parabia Endowment Fund. The names of present trustees are Shri. Harilal T. Salar, Shri Shailesh Z. Goti, Shri Rajnikant P. Burmawalla, Shri Pravinbhai B. Patel, Shri Jimit D. Vakawalla, Shri Mukesh H. Master, Shri Arpan A. Kothdiya.

Biodiversity Conservation
List of selected tree species of the botanical garden of BVBRC

Name	Common Name	Family
Adansonia digitata	રૂખડો	Malvaceae
Adhatoda vasica	અરડૂસી	Acanthaceae
Adenanthera pavonina	રક્ત ગુંજા	Fabaceae
Adenocalyma alliaceum	લસણ વેલ	Bignoniaceae
Adina cordifolia	હળદરુ	Rubiaceae
Aegle marmelos	બીલી	Rutaceae
Alangium salviifolium	અંકોલ	Cornaceae
Albizia lebbeck	શિરીષ	Fabaceae
Ardisia solanacea	ધનપ્રીય	Myrsinaceae
Bauhinia purpurea	કાંચનાર	Fabaceae
Bauhinia racemosa	આસિત્રો	Fabaceae
Bombax ceiba	શીમળો	Malvaceae
Borassus flabellifer	તાડ	Arecaceae
Butea monosperma	કેસુડો	Fabaceae
Ceiba pentandra	શ્વેત શલ્મલી	Malvaceae
Commiphorawightii	ગુગળ	Burseraceae
Cordia myxa	ગુંદા	Boraginaceae
Cycas circinalis	Sago	Cycadaceae
Ensetesuperbum	જંગલીકેળાં	Musaceae
Ficus krishnii	માખણકટોરી	Moraceae
Ficus religiosa	પીપળો	Moraceae
Ficus tsiella	Rubber Plant	Moraceae
Gmelina arborea	શિવણ	Verbinaceae
Gmelina hystrix	--	Verbinaceae
Guaiacum officinale	Rough bark lignum-vitae	Zygophyllaceae
Helicteresisora	મરડાસિંગ	Malvaceae

Biodiversity Conservation
List of selected tree species of the botanical garden of BVBRC

Holoptelea integrifolia	ચીરબીલ્વ	Ulmaceae
Hyphaene indica	રાવણતાડ	Arecaceae
Lawsoniainermis	મહેંદી	Lythraceae
Limoniaacidissima	કોઠા	Rutaceae
Madhuca indica	મહુડો	Sapotaceae
Malpighia emarginata	Barbados cherry	Malpighiaceae
Millettia pinnata	કરંજ	Fabaceae
Millingtonia hortensis	Indian cork tree	Bignoniaceae
Mimusopselengi	બોરસલી	Sapotaceae
Mitragynaparvifolia	કલમ	Rubiaceae
Morus rubra	શેતુર	Moraceae
Ochna kirkii	Mickey Mouse Plant	Ochnaceae
Oroxylum indicum	ટેટુ	Bignoniaceae
Ougeiniaoojeinensis	તણછ	Fabaceae
Pavetta indica	-	Rubiaceae
Phoenix dactylifera	ખજૂરી	Arecaceae
Phyllanthus acidus	ખટુમડા	Phyllanthaceae
Phyllanthus emblica	આમળા	Phyllanthaceae
Pimentaaromatica	All Spice	Myrtaceae
Premna integrifolia	અગ્નીમંથ	Verbenaceae
Santalum album	ચંદન	Santalaceae
Saracaasoca	અશોક	Fabaceae
Sicca acida	ખટુમડા	Euphorbiaceae
Sterculia foetida	કડવીબદામ	Malvaceae
Sterculia urens	કડાયો	Malvaceae
Tectona grandis	સાગ	Verbinaceae

NAAC VISIT (2022)









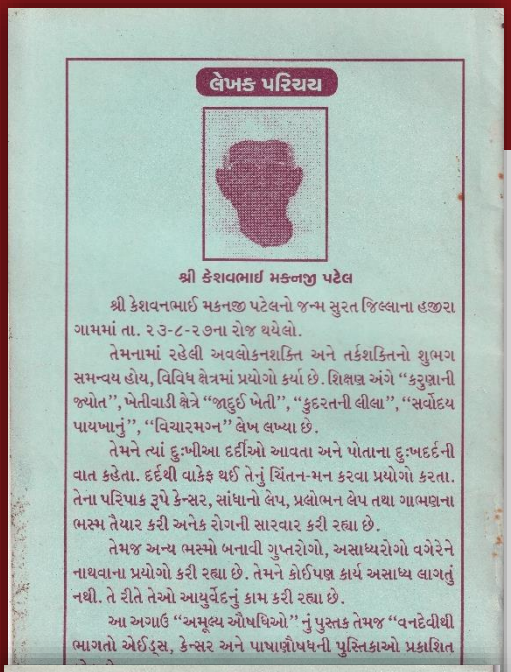


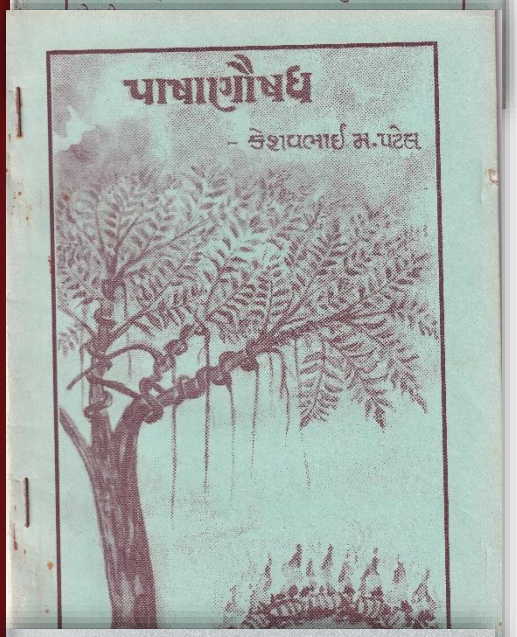


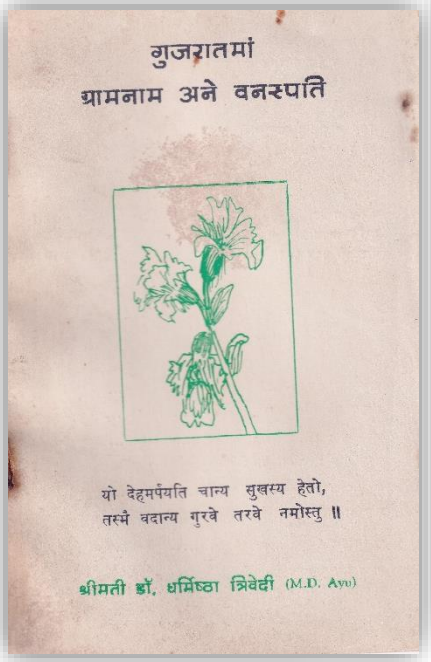


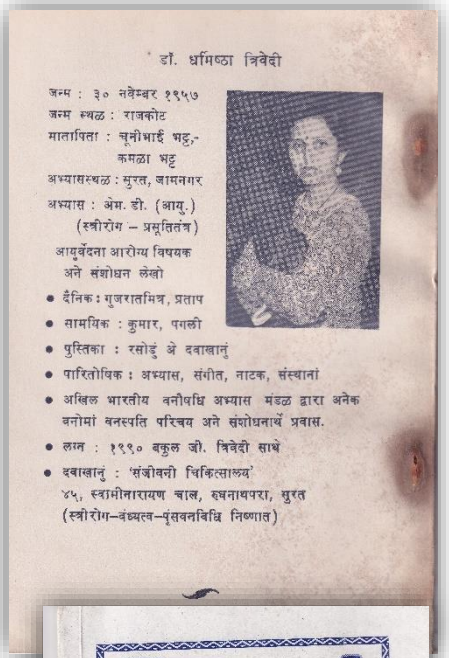
Extension to the society

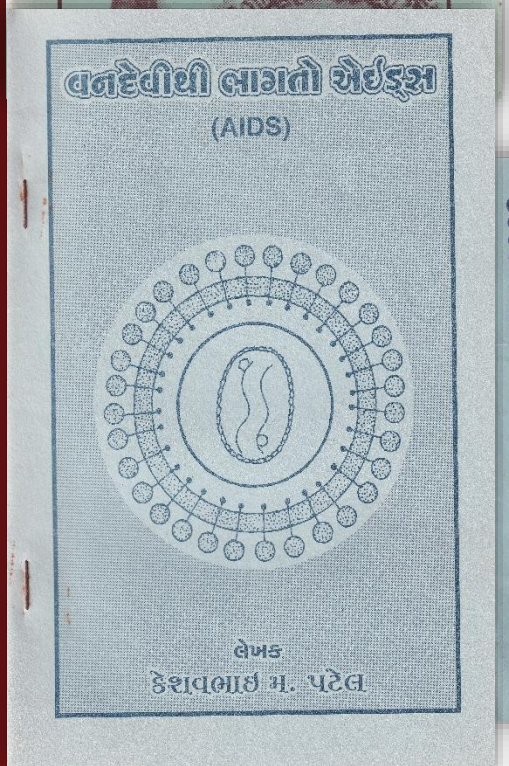
- Welcoming visit of students from school and colleges to visit museum and botanical garden.
- Providing certificate for plant taxonomic identification.
- Organizing Tribal Training Program to the interior part of villages. Teaching them to prepare formulas form kitchen spices are surrounding plants. Someone who wants to organize such event in their village may contact us on bvbrc@vnsgu.ac.in.

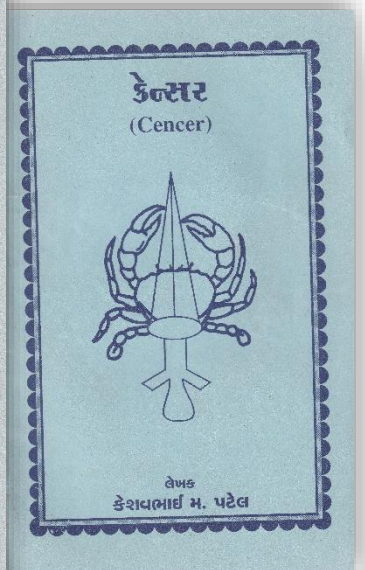


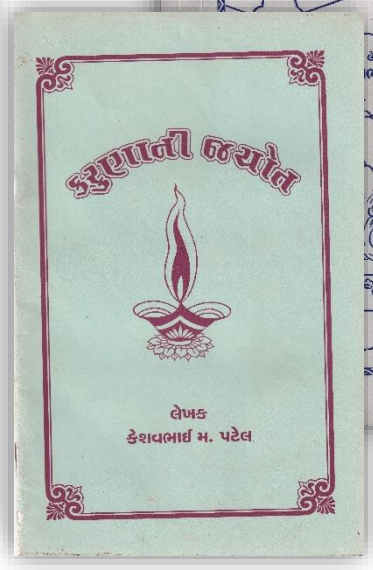












Dr. Anand Prafulchandra Bapalal Vaidya with Two Sisters Visited Department of Biosciences

Ph.D. Alumni Students Visited BVBRC

Students Visited the Centre from Diploma in Pharmacy, Bhagwan Mahavir College

Students Visit

Students Visit

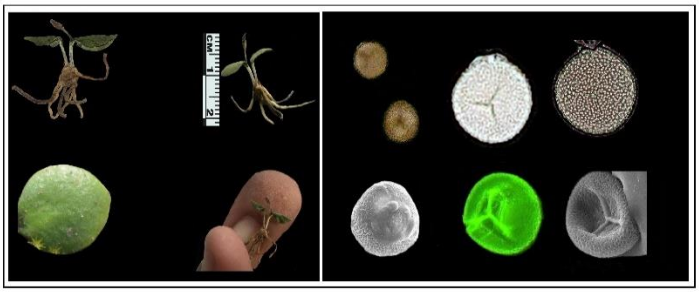
Dr. Babasaheb Ambedkar Janma Jayanti with Former Collector R.J Patel (I.A.S.), Tapti & Godhara

At the Event of Convocation at Gujarat Ayurveda University, Jamnagar on 25.04.2023 after Accepting the Doctor of letters

Dr. K. C. Poria, Hon. VC Dr. Kishorsinh Chavda., Dr. Minoo Parabia and Mrs. Rivaba Jadeja

NEW SPECIES DESCRIBED FROM THIS DEPARTMENT FOR THE FLORA OF GUJARAT

Mitesh Patel & M. N. Reddy



SCIENTIFIC REPORTS | nature

***Ophioglossum malviae* Patel & Reddy**

Type locality:
Jakhana village (20°37'36.79"N, 73°44'31.47"E, altitude ~471 m), Dang district, Gujarat, Western Ghats, India.

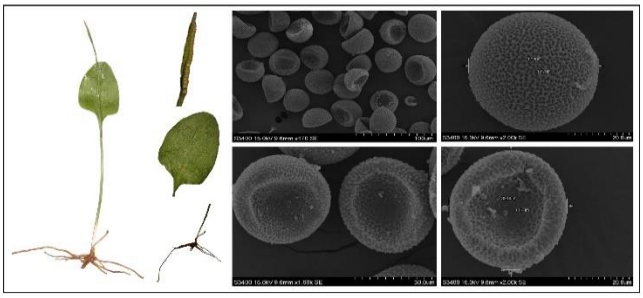
Key features:
O. malviae is unique among species of this genus by its very small size and spike, spores with outer perine layer and unique type of stomata in which the marginal cells of lower epidermis form dome like papillae. It is reported as the world's smallest terrestrial pteridophyte.

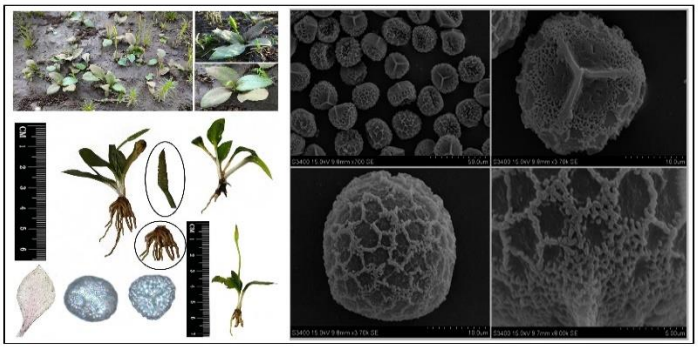
THE INDIAN FERN JOURNAL

***Ophioglossum aletum* Patel, Reddy & Goswami**

Type locality:
Baripada village (0°38'18.37"N, 73°41'13.67"E, altitude ~480 m), Dang district, Gujarat, India.

Key features:
An unusual and large-sized *Ophioglossum* plants (up to 32 cm.) is described as *O. aletum*, from the South Gujarat, which are characterized by possessing almost 90% alete spores mostly growing in chains and periderm in petiole a feature never recorded in any species in the world flora of the genus.





BOTANY LETTERS | Taylor & Francis

***Ophioglossum hitkishorei* Patel & Reddy**

Type locality:
Kodmal near Don hill station (20º76'27.61" N 73º80'42.06" E, altitude ~471 m), Ahwa, Dang, Gujarat, India.

Key features:
It can be diagnosed from other congeners by a combination of its smaller size, globose to subglobose, non-stoloniferous rhizome, number of trophophylls up to six, the absence of persistent leaf bases at top of rhizome and by very unique structure of beaded strings spores. Such types of spores are not observed in any species of *Ophioglossum* in the world flora.

NORDIC JOURNAL OF BOTANY

***Crinum reddyi* M. Patel & H. Patel**

Type locality:
Ghuntvel village, (21°01'09.61"N, 73°34'10.96"E, altitude ~139 m), Songadh tehsil, Tapi district, Gujarat, India.

Key features:
A distinctive new species of *Crinum* (Amaryllidaceae) is reported from marshy areas along the Gira river, southern Gujarat, India. *Crinum reddyi* superficially resembles *C. solapurense* but differs in having spherical or round, cremish white, tunicate bulbs, 10–17 distichous to sub distichous, canaliculated leaves, shorter, yellowish green peduncles (35–60 cm long), fewer flowers (up to 16), 6–12 capsules per infructscence, 4–7, chlorophyllous, rugose seeds per capsule and mainly vegetative propagation.

Citation

Patel, M., & Reddy, M. N. (2018). Discovery of the World's Smallest Terrestrial Pteridophyte. *Scientific reports*, *8*(1), 5911.
Patel, M., Reddy, M., & Goswami, H. K. (2018). A Terrestrial Large-Sized *Ophioglossum aletum*: New Species From Gujarat, India. *Indian Fern J.*, *35*, 318-331.
Patel, M., & Narsimha Reddy, M. (2019). Revealing a new species of Ophioglossum (Ophioglossaceae-Pteridophyta) from India with palynological and phylogenetic implications. *Botany Letters*, 166 (4)425-433.
Patel, Mitesh, and Harshil Patel. *Crinum reddyi* sp. nov. (Amaryllidaceae) from Gujarat, India. *Nordic Journal of Botany* 37.4 (2019).
Patel, M., & Patel, H. (2019). Crinum reddyi sp. nov.(Amaryllidaceae) from Gujarat, India. *Nordic Journal of Botany*, *37*(4).

Department of Biosciences,
Veer Narmad South Gujarat University, Surat

NEW RECORDS OF PTERIDOPHYTES REPORTED FROM THIS DEPARTMENT FOR THE FLORA OF GUJARAT

Mitesh Patel & M. N. Reddy

Cheilanthes tenuifolia (Burm. f.) Sw.

Hypodematium crenatum (Forssk.) Kuhn

Aleuritopteris dubia (C. Hope) Ching

Aleuritopteris bicolor (Roxb.) Fraser-Jenk.

Aleuritopteris formosana (Hayata) Tagawa

Aleuritopteris albomarginata (C. B. Clarke) Ching

Athyrium micropterum ex Fraser-Jenk.

Isoetes pantii H. K. Goswami & B. S. Arya

Isoetes sampathkumarnii L. N. Rao

Anogrmma leptophylla (L.) Link

Actiniopteris dimorpha. Pic. Serm.

Aleuritopteris anceps. (Blanf.) Panigrahi

Ophioglossum polyphyllum A. Braun ex Schub.

Ophioglossum lusitanicum L.

Ophioglossum petiolatum Hook.

DEPARTMENT OF BIOSCIENCES,

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT

Future Aspects

- Dr. M. N. Reddy Phytochemistry & Nanotechnology Laboratory is under development from the donation raised in 2022 after the retirement of Prof. M.N. Reddy. The donation is mainly given by his colleagues and alumni students of the department.
- Prof. Minoo H Parabia Phytoresource Centre
- Digital Herbarium
- Botanical Garden and Museum with QR code

Accepted Donations are Eligible Under Section 80G(5)

1.	Name of the Account:	:	M/S Bapalal Vaidya Botanical Research Centre
	Account No.	:	443402010003151
	Name of the Bank	:	Union Bank
	Branch of the Bank	:	Vesu Branch
	IFSC		UBIN0544345
2.	**Name of the Account:**	:	**M/S Minoo Parabia Endowment Fund**
	Account No.	:	443402010007998
	Name of the Bank	:	Union Bank
	Branch of the Bank	:	Vesu Branch
	IFSC	:	IFSC: UBIN0544345

Link for Videos & Articles

https://drive.google.com/drive/mobile/folders/1S2a2_87PI5wx9bgXca64hFItB6ZluR86?usp=sharing

Sr. No.	Name of the Event (Videos)	Date of the Event
1.	Workshop of Identification of Medicinal Plants & Homeopathy	09.04.2022
2.	Camp on Identification of Medicinal Plants from Forest	27.08.2023
3.	Seminar on Medicinal Plant	17.09.2022

Sr. No.	Title of the Article
1.	Article on BVBRC in Gujarati
2.	આંગણે ઓષધિ (Angne Aushadhi) in Gujarati
3.	Dadima Na Nuskha By Dr.Minoo Parabia
4.	Gujarat Ni Vanaushdhio Ayurved Na Paripekshy Ma Article By Prof. Minoo Parabia
5.	Magazine on Shri Bapalal Vaidya (વનાયું ઈ-મેગેઝીન બાપાલાલ સ્મૃત્તિ વિશેષાંક)
6.	Booklet on Prof. Minoo Parabia (AMARA PARBI SIR)
7.	Prof. Minoo H. Parabia (Photo Gallary)
8.	A Man of Botany in Society
9.	Booklet on Shri Lallukaka

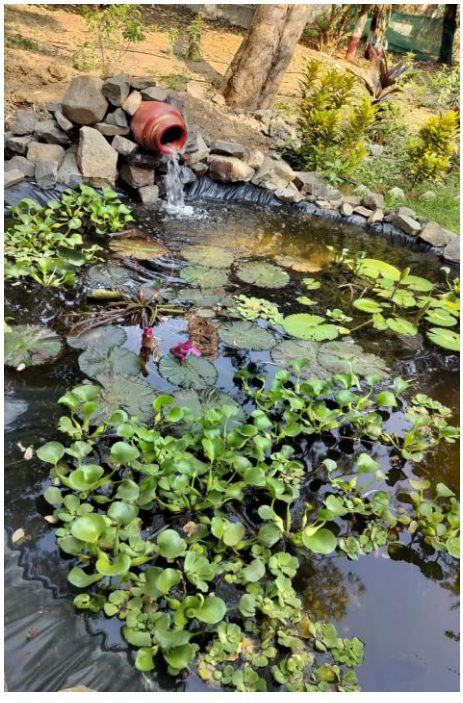
Contact Us

Dr. Farzin Minoo Parabia **Associate Professor** **Faculty In-Charge** **Shri Bapalal Vaidya Botanical Research Centre,** **Department of Biosciences** **Veer Narmad South Gujarat University,** **Udhna-Magdalla Road,Vesu, Surat-395007, Gujarat, India.**	**Dr. Kailash P. Patel** **Professor & Head** **Department of Biosciences** **Veer Narmad South Gujarat University,** **Udhna-Magdalla Road,Vesu, Surat-395007, Gujarat, India.**
fmparabia@vnsgu.ac.in **bvbrc@vnsgu.ac.in**	kppatel@vnsgu.ac.in +91 9428244044
+91 0261 2203126 **+91 9879578029**	https://www.vnsgu.ac.in/departments/dbs/index.html

BOTANICAL GARDEN

There are more than 450 species of plants in Botanical Garden.

Beauty in the Biosciences



Library

Libraries plays a very vital role in improving one's learning ability, understanding, skills, and developing positive attitude of life.
Our efforts are always directed towards making our library a rich heritage of books. In library huge collection of books related to subject syllabus, General knowledge, Magazines, Journals. During the academic year of 2023-2024, we have books worth ₹ 2,02,676 /- in our library.

"As you read a book word by word and page by page, you participate in its creation, just as a cellist playing a Bach suite participates, note by note, in the creation, the coming-to-be, the existence, of the music. And, as you read and re-read, the book of course participates in the creation of you, your thoughts and feelings, the size and temper of your soul."

– Ursula K. Le Guin

Library In-charge

Department teaching faculties Dr. Dhara A. Gamit, Assistant Professor & Ms. Parishi S. Patel, Temporary Assistant Professor plays an important role as a library in-charge. All the books are under the observation of the library in-charge. Their important role towards the library is to maintain the books in the bookshelves & their records.

No. of Books on our Library shelves

Subject	No. of Books
Botany	1303
Zoology	
Microbiology	
P.G.D.M.L.T.	
P G Diploma in Toxicology	
E-Journals	5
Magazine	30

RESEARCH AT GLANCE

Departmental Projects

Name of the Coordinator	Title of the project and duration	Amount sanctioned (Rs)	Funding Agency
Dr. S. K. Tank Dr. M. N. Reddy	UGC-SAP-DRS-I: Toxicity evaluation of Textile Industry Effluents 5 Years 2011 to 2016	41,60,000	UGC
Dr. R. K. Patel & Dr. P.R. Dudhagara Dr. J.K.Barot	UGC-SAP-DRS-II: Ecogenomics and environmental toxicology 5 Years 2018 to 2023	67,08,000	UGC
Dr. K.P.Patel Dr. F. M. Parabia	DST-FIST-I: Host Microbiome 5 Years 2018 to 2023	7500000	DST

Faculty Projects

Name of the PI/Co-I/Team Member	Title of the project and duration	Amount sanctioned (Rs)	Funding Agency
Dr. P. K. Gadhia	Hematological, Biochemical and Cytogenetic studies of Parsis in India. 3 Years: 2003-2006	13,40,000	UNESCO-PARZOR, France
Dr. M. H. Parabia	Development and standardization of herbal antimalarial drug 1 year: 2009 to 2010	61,40,000	DST in Collaboration with SPU & in Pharma Industry
Dr. K. P. Patel	Effects of heavy metals on seed germination and plant growth on *Trigonella foenum graccum* L. and *Cajanus cajan* (L.) Mill sp. 2 Years: 2007 to 2009	70,000	UGC, minor research project
Dr. P. K. Gadhia & Y. J. Thanki	Assessment of treated effluent from ONGC for aquaculture and agriculture use. The project was sponsored by ONGC, Hajira, Surat 2 Years: 2009 to 2011	6,00,000	ONGC
Dr. M. N. Reddy	Toxicity Evaluation of Bone Slurry/Sludge 2 Years 2010 to 2011	6,00,000	India Gelatin Pvt. Ltd., Vapi
Dr. J. K. Barot	Histopathological and haematological alterations in dye exposed fish *Catla catla* 2 Years 29/01/2014 to 28/01/2016	1,50,000	UGC
Dr. M. N. Reddy	Cancer cell Migration and saponins 3-year 11/07/ 2014 to 2017	9,86,000	GSBTM
Dr. K. P. Patel	Effects of coal fly ash on growth and development of some agriculture crops 3 years Continue since 03/03/2015	7,35,000	GSECL
Dr. K. P. Patel	**Assessment of Treated Industrial Effluent for Agriculture Use." Project No: EPA/IWWT/RP-15-2009 EPA, UAE** **3 Years: 2010 to 2013**	**60, 000 AED**	**ADCo, UAE**

Faculty Projects

Name of the PI and Co-I	Title of the project and duration	Amount sanctioned (Rs)	Funding Agency
Dr. Rajesh Patel	Development of environmentally and economically sustainable composite solution for municipal solid waste 4 Years: 2019 to 2023	13,76,056	GSBTM
Dr. Pravin Dudhagara	An integrated process to enhance the biological treatment efficiency and improve the quality of effluent discharge from paper and pulp industry 4 Years: 2019 to 2023	22,41,586	GSBTM
Dr. Jigna Desai	Development of integrated waste water treatment systems using alternative innovative approaches of microbial fuel cells, magnetic nanoparticles and Vermicomposting with water hyacinth for secondary sludge management 4 Years: 2019 to 2023	21,09,836	GSBTM
Dr. Rajesh Patel & Dr. M. N. Reddy	in vitro screening and validation of herbal formulation and phytochemicals for COVID 19 prevention and treatment 1 year 2022 to 2023	15,16,343	GSBTM
Dr. F. M. Parabia & Dr. F. Sheth	To ascertain and evaluate the nondestructive substitutes of the bark of Saraca asoca (Roxb.) De Wilde 3 Year: 2021 to 2024	5,50,000	Ministry of AYUSH
Dr. Pravin Dudhagara	Surveillance and monitoring of SARS-CoV-2 from sewage of Surat and Vadodara 1 year 2022 to 2023	9,62,862	GSBTM
Dr. Pravin Dudhagara	Surveillance and monitoring of SARS-CoV-2 by RT-PCR from sewage sample 6 months : 2021	1,42,000	SMC and NIUA
Dr. Pravin Dudhagara	Effect of Panchkrama and Panchgavya Therapy on Human Gut Microbiome 2 years: 2022 to 2024	98,000	VNSGU

Faculty Projects

Name of the PI and Co-I	Title of the project and duration	Amount sanctioned (Rs)	Funding Agency
Dr. R. K. Patel and Dr. P. R. Dudhagara	Network Project on Antimicrobial resistance, superbugs, and One health 3 year: 2022 to 2025	92,17,280	GSBTM
Dr. R. K. Patel and Dr. P. R. Dudhagara	Genomic Surveillance for SARS-CoV-2 in India :Indian SARS-CoV-2 Genomic Consortium(INSACOG) – Phase II 2 year: 2022 to 2024	75,00,000	DBT INSACOG
Dr. R. K. Patel	Exploration of alternative and natural farming input on conventional and vertical farming practice for economic and sustainable agricultural practice 3 year: 2023 to 2026	67,32,712	GSBTM
Dr. K. P. Patel	Conservation of Ethnomedicinal Knowledge of Tribal People from Different Zone of South Gujarat by Site survey and Systematic Documentations	8,00,000	ICSSR
Dr. K. P. Patel	Effects of Fly-Ash Based Organic Fertilizer on Soil Microbial Communities	2,90,000	UGC
Dr. K. P. Patel	Application of Coal Fly Ash for Sustainable Agriculture	2,00,000	UGC
Dr. Dhara Gamit	Sustainable Environment Practices of Tribal scheduled areas of South Gujarat	12,00,000	ICSSR

Faculty Overseas Visits

Name of the Faculty	Events/Institute/University	Country	Year
Dr. Kailash Patel	Sciences City, Al Khobar	Saudi Arabia	2008
Dr. Kailash Patel	Tree of Life	Bahrain	2007
Dr. Kailash Patel	Botanical Garden	Singapore	2011
Dr. Kailash Patel	Horticulture Garden	Thailand	2011
Dr. Kailash Patel	Wildlife & Bird Century, Al Ain	UAE	2012
Dr. Kailash Patel	Frankincense Forest, Salalah	Oman	2012
Dr. Kailash Patel	4th International Conference on Environmental Science and Development, ICESD Dubai	UAE	2013
Dr. Kailash Patel	Paradise Garden, Al Ain	UAE	2013
Dr. Kailash Patel	Miracle Garden, Dubai	UAE	2014
Dr. Kailash Patel	Archeological Park, Al Ain	UAE	2022
Dr. Rajesh Patel	State Key Laboratory of Molecular Biology, Institute of Biochemistry and cell Biology, Shanghai	China	2001
Dr. Rajesh Patel	National University of Singapore	Singapore	2005

Faculty Overseas Visits

Name of the Faculty	Events/Institute/University	Country	Year
Dr. Rajesh Patel	National University of Singapore	Singapore	2005
Dr. Rajesh Patel	Thailand Science Park, Pathum Thani	Thailand	2013
Dr. Rajesh Patel	ECCB 2016, World Forum Convention Center, The Hague	Netherlands	2016
Dr. Rajesh Patel	United Arab Emirates University	UAE	2016
Dr. Rajesh Patel	Microbiome: Human, Plant, and Environmental Health - application and challenges (UAE Microbiome 2023)	Abu Dhabi	2023
Dr. Pravin Dudhagara	Federation of Asian & Oceanian Biochemists & Molecular Biologists (FAOBMB), International FAOBMB Conference	Singapore	2014
Dr. Pravin Dudhagara	25th FAOBMB Manila conference, Philippines	Philippines	2015
Dr. Pravin Dudhagara	First UAEU symposium on Biological sciences, genomics & bioinformatics, School of Biology, UAE University	UAE	2016
Dr. Pravin Dudhagara	ECCB, 2016 Den Hague	Netherlands	2016
Dr. Pravin Dudhagara	First UAEU symposium on Biological sciences, genomics & bioinformatics, School of Biology, UAE University	UAE	2016
Dr. Pravin Dudhagara	ICGEB-NASSL, South Asian Biotechnology Conference 2018 - SABC 2018, Colombo	Sri Lanka	2018

Faculty Overseas Visits

Name of the Faculty	Events/Institute/University	Country	Year
Dr. Pravin Dudhagara	Southeast Asian regional symposium on Microbial ecology, Pokhara	Nepal	2019
Dr. Pravin Dudhagara	Plant endophytes and their roles in controlling plant health. South-East Asia region, ICGEB-IMBT workshop, Hanoi,	Vietnam	2019
Dr. Pravin Dudhagara	4th International conference of young scientist, on Soil in Environment at Torun	Poland	2022
Dr. Pravin Dudhagara	Udayana University	Bali, Indonesia	2023
Dr. Pravin Dudhagara	9th Federation of Immunological Societies of Asia-Oceania Congress (FIMSA 2024)	Taipei, Taiwan	2024
Dr. Rajesh Patel	Udayana University International Senior Fellowship (UNISERF) Program	Bali, Indonesia	2024

Ph.D Awardees

Sr. No.	Name	Year
1	Mr. S. B. VASAVADA	1980
2	Mr. S. I. JOSHI	1980
3	Mr. J. U. THAKER	1981
4	Mr. S. BHAN	1981
5	Mr. J. S. MARTIN	1981
6	Mr. A. M. VASAVADA	1981
7	Mr. J. P. TRIVEDI	1982
8	Mr. R. T. VASHI	1982
9	Mr. T. MATHAI	1982
10	Mr. R. N. MAC	1982
11	Mr. K. S. PILLAI	1983
12	Mr. R. A. CHAUHAN	1984
13	Ms. Y. A. SHAIKH	1985
14	Mr. B. V. RAOL	1986
15	Mr. M. N. REDDY	1987
16	Mr. H. G. SHARMA	1987
17	Ms. R. A. VYAS	1988
18	Ms. M. A. SHAH	1988
19	Ms. A. J. UMADEVI	1988
20	Mr. J. H. PANDYA	1988
21	Ms. K. D. DESAI	1989
22	Mr. J. THOMAS	1990
23	Mr. N. C. GAVIT	1990
24	Ms. M. A. RANGOONWALA	1990
25	Mr. K. N. RAO	1991
26	Mr. K. N. RAO	1991
27	Ms. A. A. THOMAS	1992
28	Ms. S. H. BAXI	1992
29	Mr. MANOJ E.	1993
30	Mr. G. N. PATEL	1994
31	Ms. K. V. SONDERVA	1994
32	Ms. M. G. BAXI	1994
33	Ms. A. THOMAS	1994
34	Ms. S. S. NAIR	1995
35	Mr. R. T. JADHAV	1996
36	Mr. V. B. KADAM	1996
37	Ms. D. C. BHATT	1996
38	Ms. G. I. MACWAN	1996
39	Mr. O. N. BHOGE	1997
40	Mr. P. N. NARKHEDE	1997
41	Mr. T. S. PATIL	1998
42	Ms. D. V. R. SHAILAJA	1998
43	Mr. K. S. GROVER	2000
44	Mr. B. R. PATEL	2000
45	Ms. S. S. ANANDJIWALA	2001

Ph.D Awardees

46	Mr. S. JOSEPH	2001
47	Ms. J. M. PANDYA	2001
48	Ms. B. K. MEHRA	2001
49	Ms. K. B. SHAH	2002
50	Ms. J. K. ARORA	2002
51	Mr. S. N. VANIAWALA	2002
52	Mr. G. G. SAWANT	2002
53	Ms. G. P. BHATT	2002
54	Mr. S. RAJENDRAN	2002
55	Mr. B. A. RANA	2002
56	Ms. P. M. PATEL	2002
57	Ms. S. S. PATHAK	2002
58	Ms. K. P. PATEL	2003
59	Ms. S. VIBHA	2003
60	Mr. A. P. SINGH	2003
61	Ms. H. J. PANDYA	2003
62	Ms. B. S. SHAH	2003
63	Mr. K. G. VAISHNAV	2003
64	Mr. G. S. SHAH	2003
65	Ms. L. S. RAJWANI	2004
66	Mr. S. MAISURIA	2004
67	Ms. M. SARAVIYA	2005
68	Mr. R. R. PANCHAL	2005
69	Mr. B. SHAH	2006
70	Ms. S. BARDOLIWALA	2006
71	Mr. M. A. PITHAWALA	2006
72	Ms. A. PATEL	2006
73	Mr. B. GAMI	2007
74	Mr. D. N. TAMAKUWALA	2007
75	Mrs. R. B. DESAI	2007
76	Mrs. S. DASGUPTA	2007
77	Ms. F. K. SHETH	2008
78	Mr. F. STEPHEN	2008
79	Ms. M. R. ADHVARYU	2008
80	Mr. S. Y. KHARADI	2008
81	Ms. S. S. CHAKRABORTY	2008
82	Mr. A. SINGH	2009
83	Mr. N. BHATLA	2009
84	Ms. V. N. PRAJAPATI	2009
85	Ms. R. N. DESAI	2009
86	Mr. A. B. THAKOR	2009
87	Mr. G. D. LATHIYA	2009
88	Ms. P. R. PARMAR	2010
89	Ms. L. S. BARHATE	2010
90	Ms. H. A. MEHTA	2010

Ph.D Awardees

91	Ms. J. J. PACHCHIGAR	2011
92	Ms. V. L. PILLI	2011
93	Ms. P. M. DESAI	2011
94	Ms. M. M. JOGI	2011
95	Mr. R. P. THUMBER	2011
96	Mr. A. BHANDALEKAR	2011
97	Mr. K. M. PATEL	2012
98	Mr. N. V. BUTANI	2012
99	Mr. A. P. PATIL	2014
100	Ms. A. K. MAHAJAN	2014
101	Mr. A. KAMBHANMPATI	2014
102	Mr. K. V. SONI	2014
103	Ms. R. R. GADHVI	2014
104	Mr. N. K. PANDYA	2014
105	Ms. J.S.RANA	2014
106	Mr. A. K.SINGH	2014
107	Mr. A. P. PATIL	2014
108	Ms. A. B. DOHARE	2014
109	Ms. D. A. GAMIT	2014
110	Ms. H. M. PARAKH	2014
111	Ms. U. S. ZANKHARIA	2015
112	Mr. G. SHASHTRI	2015
113	Mr. P. M. PATEL	2015
114	Ms. A. H. KAVANE	2015
115	Ms. J. J. DESAI	2016
116	Mr. D. D. BHAGAT	2016
117	Ms. R. G. DESAI	2017
118	Ms. M. K. Vyas	2017
119	Ms. U. R. Desai	2017
120	Ms. S. T. Sidi	2017
121	Mr. B. V. Kanthariya	2017
122	Mr. V. G. Sharma	2017
123	Ms. H. D. Patel	2017
124	Ms. M. D. Dholaria	2017
125	Mr. J. R. Rana	2018
126	Mr. B. N. Shukla	2018
127	Ms. H. V. Parekh	2018
128	Ms. K. M. Shah	2018
129	Mr. M. A. Hajaoori	2019
130	C. B. Naik	2019
131	R. R. Patel	2019
132	A. M. Chawla	2019

Ph.D Awardees

133	Sunil P. Bhavsar	2019
134	A. P. Leanwala	2020
135	Chirag Prajapati	2020
136	Kazi Arshi	2020
137	Gaurav Mishra	2020
138	Mistry Brijal	2020
139	S. S. Ghosh	2020
140	Patel Mitesh Bhaskarbhai	2021
141	Hajoori Murtaza Abbasbhai	2021
142	Rachh Maulik Harshadbhai	2021
143	Bera Sweta Parimita	2022
144	Das Ayantika Shanti	2022
145	Vansia Ashaka Shailesh	2022
146	Chaudhari Priyanketa Dansingbhai	2022
147	Patel Kartik Vinodbhai	2022
148	Jokhakar Priyanka Harenbhai	2023
149	Patel Vrajesh Dayanand	2023
150	Surti Malvi Nailesh	2023
151	Intwala Siddhi Mukesh	2024
152	Kulkarni Khyati Vilas	2024
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Fellowships

Sr. No.	Name	Year	Fellowship
1	Mr. S. K. TANK	1985	CSIR-JRF, SRF,Halloand Gpvt Fellowship to travel Yugoslavia for 6 months at institute of Fisheries Split-Now Croatia in 1983
2	Ms. J. S. RANA	2014	RGNF-UGC
3	Ms. A. B. DOHARE	2014	RGNF-UGC
4	Ms. D. A. GAMIT	2014	RGNF-UGC
5	Ms. U. S. ZANKHARIA	2015	NET-UGC
6	Mr. H. J. Patel	2018	DST inspire fellowship
7	M. H. Bhatt	2019	Meenu Parabia enrollment fund
8	M. S. Chandel	2019	UGC BSR
9	C. B. Bhagat	2019	UGC BSR
10	R. U. Raval	2019	UGC BSR
11	M. J. Jairajpuri	2019	Maulana Azad National Fellowship
12	S. P. Bhavsar	2019	UGC BSR
13	C. K. Prajapati	2020	UGC BSR
14	A. W. Kazi	2020	DST inspire fellowship
15	B. C. Mistry	2020	UGC BSR
16	M. B. Patel	2021	UGC BSR
17	Kartik Patel	2022	NFOBC
18	Priyanka Jokhakar	2023	SRKKF Followship
19	Vrajesh Patel	2023	UGC BSR
20	Malvi Surti	2023	SHODH Fellowship
21	Urvisha Beladiya	Pursuing	JRF
22	Nisa Mavani	Pursuing	JRF
23	Milan R Patel	Pursuing	SHODH Fellowship
24	Anjali Patel	Pursuing	SHODH Fellowship
25	Sana Madani	Pursuing	SHODH Fellowship
26	Krishna Lapsiwala	Pursuing	SHODH Fellowship
27	Smita Atara	Pursuing	SHODH Fellowship
28	Rajdeep Pavagadhi	Pursuing	SHODH Fellowship
29	Rupal Chhaniyara	Pursuing	Savitribai Jyotirao Phule - Single Girl Child Fellowship
30	Kruti Patel	Pursuing	SHODH Fellowship
31	Jaydip Vasava	Pursuing	Aayush Project Fellowship

Students Exchange

Sr. No.	Name	Student Exchange
1	Neelam Vaghamshi	Duration: 6 month(1st December 2022 to 31st May 2023)TEEP-Taiwan Experience Education Program (Exchange and training program)ctional Genomics Laboratory, Department of Biological Science and Technology, National Pingtung University of Science and Technology, Pingtung, Taiwan.
2	Komal Antaliya	
3	Smita Atara	
4	Manoj Godhaniya	

ALUMINI ARCHIVES

Dr. S. K. Tank

- Alumni year: 1985 (Zoology)
- Professor and Head Department of biosciences (Retired June 2019)
- Present Position : Dean ,Faculty of Science, B M University, Surat -India
- More than 35 year of experience
- Awards and Achievement:
- Oceanography and Fishery technology training at Institute of Oceanography and Fishery, Split, Yugoslavia
- Training at Bhabha Atomic Research Center, Trombay
- He was nominated as Govt. Analyst by Govt. of India for environment.
- No.of Recent Publications: 34
- No. of Student awarded Ph. D. under the guidance: 18
- No. of students M. Phil. Awarded: 10

Dr. M. N. Reddy

- Alumni year: 1987 (Botany)
- He has excellence in Botanical subjects over 28 years of experience.
- He is having a hub of knowledge for herbal remedies, ecology and environmental studies. Under UGC exchange program sir also visited Israel.
- Publications : 47
- Invited talks:
- Healthcare in 21st century: Perspectives of Ethnopharmacology and medicinal plant research, 4th international congress of the society for Ethnopharmacology, Uka Tarsadia University, 2017
- Importance of Biodiversity in science, UTKARSH-2019, Government Science College, Vankal, 2017.
- Conservation of Environment for Human Sustenance, National conference,Arts, Science and Commerce college, Nashik, 2017

Dr. Neeraj Tandon

- Alumni year: (Botany)
- Current position: Scientist G & Head, Medicinal Plants and P&I, ICMR
- Experience:
- She has a vast experience of more than 42 years in the area of biomedical research, policy, planning, publication & information, education, communication & research management.
- Publication: More than 100
- She is WHO Fellow on Medicinal Plants Information Systems at the Department of Medical Chemistry College of Pharmacy, University of Illinois, Chicago

Vijay Chauthiwale

- Alumni year:
- Current position: In-charge, Department of Foreign Affairs, BJP

Dr. Kapila Manoj

- Alumni year: 1992 (Zoology)
- Current position: Head and Professor at Aquatic Biology Department VNSGU, Surat
- She is having 32 years of experience in academics
- She published 52 research articles and 40 presentation in conferences.
- 4 research scholar completed their Ph.D and 2 Pursuing

Dr. Alkesh Shah

- Alumni year: 1992 (Zoology)
- Current position: Vice principal head of the zoology department at B. P. Baria Science Institute, Navsari.
- More than 30 year – academics experience
- Books published : 16
- Research Paper Publication: 25
- Research Scholars Guided: M.Phil.: 1 and Ph.D.: 3
- He Recognized as a Research Guide in Zoology by VNSGU for M. Phil. from 2014 and Ph. D. from 2016.
- Co-Investigator in Minor Research Project (GUJCOST/MRP/2015-16/2602) awarded by GUJCOST, Gandhinagar in 2016-2018.
- He is serving a Faculty Member/Chairman of B.O.S. Zoology since 2005. Also serving as a R.A.C. Member of Bio-Science, V.N.S.G.U. from 2018

Dr. Jeni Patel

- Alumni year: 1992 (Microbiology)
- Current position: Head of the department.Biology department, the P. G. Science college, Bardoli.
- Member of Biosciences board

Dr. Jaya Patel

- Alumni year: 1996
- Current position: Associate Professor and HOD.
- Dept. of Zoology Sir P T Sarvajanik College of Science
- Paper Publication – 03
- Paper presented/ Attended in Seminar, Conference etc.-10
- She is having more than 25 years of teaching experience

Dr. K. P. Patel

- Alumni year: M. Sc. -1997, Ph.D. -2003 (Botany)
- Current position: Head and Professor at Department of Biosciences, VNSGU
- She is having 25 year of experience.
- 3 M.Phil and 10 Ph.D Scholar completed and 5 research scholar pursuing Ph. D. under her guidance.
- She published 42 + research articles and 2 books
- More than 25 + conference proceedings
- Completed 6 research projects and 3 are going on.

Dr. Gaurav Shah

- Alumni year: 1998 (Microbiology)
- Current position: head of the department Biotechnology, VNSGU, Surat
- More than 26 years of experience
- He has having membership with Microbiologist Society, India
- Since 2020.
- Also having Membership with Association of Microbiologist of India, Gujarat Science Academy, Ahmedabad, Internal Quality Assurance Cell (IQAC), VNSGU, Biotechnology Committee SGCCI.
- Awards:
- Best Oral Presentation Award: Development of device using biomolecule for solar energy conservation at National Seminar on Present Day Biology: Impact of Research at Molecular and Cellular Level.

Dr. Jigna Desai

- Alumni year: 1998 (Zoology)
- Current position: Associate professor at Department of Bioscience VNSGU, Surat
- She is having 16 years of experience
- She published 26 research articles and 3 books
- 1 Ph.D Scholar completed and 4 research scholar pursuing Ph. D. under her guidance.

Dr. Farzin Parabia

- Alumni year: 2003 (Botany)
- Current position: Associate Professor at Department of Bioscience, VNSGU, Surat
- He is Having 14 year of experience
- 3 M.Phil students completed and 5 research scholar pursuing Ph. D. under his guidance.
- He published 54 research articles and 5 books
- He completed 1 research projects and 1 is going on.

Dr. Hetal K Panchal

- Alumni year: 2004 (Microbiologist)
- Current position: Head & Assistant Professor at Dolat Usha Institute of Applied sciences & Dhiru Sarla Institute of Management and Commerce, Valsad
- Experience:
- She is having 19 years of experience
- Under her Guidance 4 Ph.D students are working.

Dr. Mayuri Rathod

- Alumni year: 2004 (Botany)
- Current position: Assistant Professor at Bio Technology department VNSGU, Surat
- She is having 19 years of experience in academics
- She published 18 research articles and 2 book/ book chapters
- One research project is ongoing
- 1 M. Phil and 1 Ph.D scholar completed and 4 Ph.D Scholar pursuing under her guidance

Dr. Harshal Gandhi

- Alumni year:
- Current position: Director at pollucon laboratory Pvt ltd. Surat.
- He is having an expertise in Environment, Safety & Health, Environmental, Water, Food Microbiology.
- He is a director of pollucon laboratory since 2003.
- He has a skilled of new business development

Dr. Neelam Kadam

- Alumni year: 2006 (Zoology)
- Current position: Assistant Professor of zoology at P.T. Sarvajanik University Surat
- She is having a 15 years of experience in academic.
- She was a First Ranker during her academic education in animal science & bioscience.
- Research Paper Publication:06
- She worked as project fellow Sponsored By University Grants Commission (UGC), from 2008 - 2011.
- She has guided 3 pg students under her guidance.

Dr. Brijesh Shah

- Alumni year: 2006 (Botany)
- Current position: assistant professor at B. K. M. Science college, Valsad
- Paper publication: 9
- Paper presented: 12
- ● Appointed as member of SQUAD, VNSGU & External Superintendent for University exam, Motapondha. Also member of Syllabus committee for revision of MSC SEM I & IV Botany.
- ● He is having a membership of NEED Committee 2018-19. As well as having a member of interview board (Management subject expert in subject Botany)
- ● VC Nominee of advisory Admission committee for L.L.B. Sem.- I and L.L.M. Sem.- I, 2018-19.
- ● Appointed as College Development Council Committee member, VNSGU, Surat
- Other Significant Post - Ph.D. Guide, VNSGU, Surat.

Dr. Jagruti Barot

- Alumni year: 2007 (Zoology)
- Current position: Assistant Professor at Department of Bioscience VNSGU, Surat
- She is having 12 years of experience and she also qualified UGC NET.
- 2 M. Phil and 1 Ph.D Scholar completed and 2 research scholar pursuing Ph. D. under her guidance.
- She published 12 research articles and 2 books
- completed 1 research project and 1 is going on.

Dr. Bhavesh Kantharia

- Alumni year: 2007
- Current position: Regional Customer Quality Manager, Asia Pacific at Givaudan (Swizz MNC & Global Leader in Flavour & Fragrance Manufacturing)
- He is having 17 year of experience in pharmaceutical and food companies.

Dr. Meghna Adhvaryu

- Alumni year: 2008 (Botany)
- Current position: Assistant professor of botany at government science college, Limbayat
- Experience:
- Worked as Assistant professor in Biotechnology at Shree Ramkrishna institute of computer education & applied sciences from 2009-2013

Dr. Alpesh Thakor

- Alumni year: 2009 (Botany)
- Current position: assistant professor at B. K. M. Science college Valsad
- He is having 17 year of experience
- Area of Specialization - Plant taxonomy : Angiosperms
- Area Of Research -The major area of Research interest is Floristic and Ethnobotany of Gujarat State.
- Chairman/Member at University Level
- Member of Syllabus Framing & Interview Committee (VNSGU Surat)
- Chairman & Paper Setter in Botany (for UG & PG degree) at VNSGU, Surat.
- Other Significant Post -NCC Officer (CTO)
- Paper Publication -26
- Paper Presented in Seminar-15

Dr. Naresh Butani

- Alumni year: 2012 (Microbiology)
- Current position: Assistant Professor at SRK Institute
- He have 9 Years of experience in academics
- He published 16 review and research article and 10 book chapters.
- One research scholar pursuing Ph.D. under his guidance

Dr. Dhara Gamit

- Alumni year: 2014 (Microbiology)
- Current position: Assistant Professor at Department of Bioscience VNSGU, Surat
- She is having 6 years of experience
- She published 3 research articles.
- 1 M.Phil Scholar completed and 4 research scholar pursuing Ph. D. under her guidance.
- 1 research project is going on.

Dr. Ankita Rajyaguru

- Alumni year: 2012 (Zoology)
- She is an Educationist & also serve as social activist.
- Her enthusiastic role she awarded as wonder women in 2023 by channel surat & gujaratmitra newspaper.

Dr. Harshil Patel

- Alumni year: M.Sc. 2012 , Ph.D. -2018 (Zoology)
- Current position: Research scientist at Thackery wildlife foundation, Mumbai
- He is having 11 years of research experience
- He published 57 research articles and 1 book chapter
- Citations 424
- h index 11
- i10 index 13
- Research Interest:
- Worked as postdoctoral researcher at zoological survey of India, Kolkata from 2020-2021.
- Worked as Research Associate at Voluntary Nature Conservancy, Vidhyanagar from 2021-2022.

Dr. Mitesh Patel

- Alumni year: 2021 (Botany)
- Current position: Assistant Professor at Parul University
- He is having 3 years of academic experience.
- He published more than 110 review and research article and 5 book chapters.
- Citation - 2177
- h - index - 26
- i10 - index - 55
- He successfully completed 6 research projects 03 ongoing projects
- He got best researcher award by Parul University

Dr. Malvi Surti

- Alumni year: M.Sc.: 2017 , Ph.D.: 2023 (Zoology)
- Current position: Assistant Professor in Research Cadre, Research and Development Cell, Faculty of Applied Sciences, Parul University.
- Paper Publication – 7
- Book Chapter - 4
- Few Words for Department: I am deeply thankful to the Department of Biosciences for furnishing me with exceptional resources and support, both academically and professionally, nurturing my growth in both my studies and research

Dr. Kalpesh Patel

- Alumni year: 2012 (Botany)
- Current position: assistant professor at B. K. M. Science college Valsad
- He is having 12 years of experience
- He worked as College Students Council Chairman.
- Also worked as NCC (NAVY) Caretaker.
- Chairman/ Member at university level:
- Ph.D. Guide, VNSGU, Surat
- Member of Syllabus Committee
- Paper Publication -10
- Paper presented/ Attended in Seminar, Conference etc.-28
- Book/ Book Chapter Published -01

Patel Sejal

- Alumni year: 2013
- Current position: Laboratory Assistant - zoology (at GSC chikhli college), Pursuing Ph.D.

Dr. Rekha Gadhvi

- Alumni year: 2014 (Microbiologist)
- Current position: Assistant Professor at Biotechnology department VNSGU, Surat
- She is having 13 years of experience in academics
- She published 8 research articles
- 4 research scholar pursuing their Ph. D under her guidance.

Dr. Parimal Patel

- Alumni year: 2015 (Botany)
- Current position: assistant professor at B. K. M. Science college Valsad
- Research Guideship -Ph.D
- Area of research interest: Plant Toxicology, Plant Cytology, Plant anatomy & Biochemistry
- Total Research Paper Published: 11

Dr. Priyanketa Chaudhari

- Alumni year: M.Sc. 2013, Ph.D. – 2022 (Zoology)
- Current position: Government Upper Primary Teacher at Vyara
- Paper Publication – 01
- Paper presented/ Attended in Seminar, Conference etc.- 02
- Few Words for Department: I am very grateful to be a student of Bioscience department. The department has always been the best in providing infrastructure and facilities for research and all the best for its continued growth in the future as well

Patel Tinkal

- Alumni year: 2013
- Current position:Lab technician
- Few Words for Department: great teachers and learning...nice experience and life long memory

Dr. Brijal Mistry

- Alumni year: M.Sc. 2014, Ph.D. 2020 (Zoology)
- Current position: Temporary Assistant Professor at Department of Bioscience VNSGU, Surat
- She is having 2 years of experience
- She published 4 review and research articles and 6 presentations in national and international conferences.

Dr. Jagruti Rana

- Alumni year: 2014 (Botany)
- Qualification - M.sc. Phd
- Current position: Assistant Professor at P.T. Sarvajanik University
- Experience: 4 months (in current institute)
- Research interest : Medicinal plant, plant science, phytochemistry

Dr. Rucha Raval

- Alumni year: M.Sc. 2014 & Ph.D. 2019
- Current position: Home Maker
- Paper Publication – 4
- Paper presented/ Attended in Seminar, Conference etc.-5
- Few Words for Department: The Department Treat The Students Like Their Own Children, Where A Student Can Get The Perfect Nurturing And Can Get Prepared For The Journey They Embark On...

Patel Trunal

- Alumni year: 2014 (Zoology)
- Current position:Science Teacher in Secondary High school – Panchmahal
- Special Achievements: - TAT 1
- Paper presented/Attended in Seminar, Conference etc.- 02

Mr. Ketan Patel

- Alumni year: 2015 (Zoology)
- Current position: Assistant professor of Zoology at Government Science college Chikhli
- He also qualified CSIR NET, GSET and GPSC
- He has 5 years of experiencing in academics

Mr. Yagnesh Padvi

- Alumni year: 2015 (Zoology)
- Current position: Assistant professor of Zoology at Government Science college Songadh
- He also qualified CSIR NET, GSET and GPSC
- He has 5 years of experiencing in academics

Tandel Bhavika

- Alumni year: 2015 (Microbology)
- Current position: Serving as Assistant professor at Dolatusha institute of applied sciences and dhiru sarla institute of management and commerce valsad (Permanent faculty)
- Special Achievements:- CSIR NET JRF - 2017

Tandel Poorvi

- Alumni year: 2016(Botany)
- Current position: educator at primary Government School Valsad
- Special Achievements: Cracked TET & TAT
- Paper presented/ Attended in Seminar, Conference etc.- 02
- Experience : 1 year of experience as Teaching Assistant and 5 years of Experience as school teacher.

Dr. Chintan Bhagat

- Alumni year: 2019 (Microbiology)
- Current position: Manager at SENBT. CO.LTD
- About : Multi-disciplinary scientist with research experience in academic and industry setting for the last 7 years
- -Investigative expertise in area of hybridoma technology, heterogeneous protein expression, protein purification and process optimization.

Dubey Vivek

- Alumni year: 2014 (Zoology)
- Current position: Higher secondary biology teacher
- Special Achievements: - TAT 2
- Paper presented/ Attended in Seminar, Conference etc.- 02
- Few Words for Department: very good environment for study and brilliant staff.

Rathod Hemangini

- Alumni year: 2014
- Current position: Assistant Teacher in upper primary school. In Vyara.

Chaudhari Jayshree

- Alumni year: 2014 (Microbiology)
- Current position: Assistant professor at Prakash college of education Ahmedabad)
- Special Achievements: - TET 2019, GSET 2018(Education)

Mistry Sonal

- Alumni year: 2014 (Microbiology)
- Current position: Was working as a Junior research officer at Jai research foundation, Vapi. Left job on 29 th March.Moving to canada for further studies.

Shukla Arpana

- Alumni year: 2014
- Current position: Adhoc teaching assistant at THE MANDVI EDUCATION SOCIETY SCIENCE COLLEGE, MANDVI
- BIOSCIENCE DEPARTMENT gives so many academic knowledge with all high qualified and intelligent professor. Create an favorable atmoshohere to grow students in their respective stream with ideal knowledge, we all are very grateful to achieve degree from Bioscience department of VNSGU. THANKS

Dr. Monica Chandel

- Alumni year: 2019
- Current position: Campus Head, Paras English Medium and Kishor Excellency School
- Paper Publication – 3
- Paper presented/ Attended in Seminar, Conference etc.- 4

Dr. Sunil Bhavsar

- Alumni year: 2019 (Microbiology)
- Current position: Grant Counselor since from 2022
- Experience: Accomplished Analyst in Environmental Science, Microbiology and Biotechnology from 2018-2021.
- He has worked as Both JRF & SRF at VNSGU from 2013 -2018.
- He has having good skilled in Gel Electrophoresis, Protein Chemistry, Life Sciences, and Protein Purification.

Bhatt Mital

- Alumni year: 2019
- Current position: Working as a Bioinformatics Scientist -SN Gene lab, Surat
- Paper Publication –
- Paper presented/ Attended in Seminar, Conference etc.-
- Few Words for Department: Department of Biosciences has given the opportunity to adapt and work in the academic as well as applicable fields efficiently.

Tandel Dhruti

- Alumni year: 2019
- Current position: Laboratory Assistant at Department Of Biotechnology VNSGU, Surat
- Paper presented/ Attended in Seminar, Conference etc.- 04
- Book/ Book Chapter Published – 01
- Few Words for Department: As an Alumnus of Department of Bioscience, I have met a plethora of professors who have poured their lives into their students with all of their heart, soul, mind and strength. I've gained a lot of practical knowledge and exposure to analytical demands.

Khambhdiya Mayur

- Alumni year: 2019 (Zoology)
- Current position: Teacher in higher secondary [11-12 Sci (Biology + NEET)]2. Proprietor of "SETU ACADEMY" Coaching Institute3. Fling Faculty in different 4-5 Institute.

Prajapati Dinal

- Alumni year: 2019 (Micribiology)
- Current position: Laboratory technician at district hospital vyara2. Pursuing PhD from PG Science College Bardoli
- Paper presented/ Attended in Seminar, Conference etc.- 03
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Ms. Maisuriya Charmi

- Alumni year: 2019 (Microbiology)
- Current position: Laboratory technician in Bardoli
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Lad Ashmita

- Alumni year: 2020
- Current position: M.ed Pursuing
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Mr. Pravin Panda

- Alumni year: 2021(Microbiology)
- Current position: Temporary Teaching Assistant at Department of Bioscience VNSGU, Surat
- Experience:- 1.5 Years Teaching
- 3 months as a JRF in SMC Project
- 6 months as a NABL Lab Technician
- Project:- 1 Minor project (3 months)
- Research Interests:- Environmental Microbiology
- He was M.Sc. Gold Medalist in Microbiology Specialization.

Savaliya Ajay

- Alumni year: 2021
- Current position: Research Assistant at UFZ environmental Research, Immunology department
- Gold Medal in final year Msc examination, 2 research projects
- Few Words for Department: Professors were really supportive and attentive research labs and projects and quality of education.

Bhadani Ravi

- Alumni year: 2021 (Microbilogy)
- Current position: Jr Research officer at Jai Research Foundation
- Special Achievements: Winner in Public challenge (eUReka 3.0)
- Few Words for Department: I deeply cherished my educational journey here, as it provided me with invaluable insights and knowledge.
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Gupta Amrita

- Alumni year: 2021
- Current position: teacher at The Cambridge school , Godadara
- Few Words for Department: This is the place for explore yourself
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Ms. Nidhi Dwivedi

- Alumni year: 2022 (Microbiology)
- Current position: Temporary Teaching Assistant at Department of Bioscience VNSGU, Surat
- Experience: More than 2 years in medical laboratory.
- Area of Interests:- Pathology, Haematology, Medical Microbiology
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Dr. Kartik Patel

- Alumni year: 2022 (Microbiologist)
- Current position: Head of Biotech R&D Lab, Witmans Industries Pvt. Ltd. Daman
- He is having 2 years of experience in laboratory.
- Publication: 18
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Bhatt Ayushi

- Alumni year: 2022
- Current position: teaching Assistant at Bhagwan Mahavir University
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Dr. Siddhi Intwala

- Alumni year: 2023 (Microbiologist)
- Current position: Assistant Professor of Microbiology at Naran Lala Science Institute Navsari
- She qualified ICAR NET and GSET
- She is having more than 14 years of experience as lab technician, lab assistant and Adhoc Assistant Professor
- She is having 19 research article and presentation

Mahyavanshi Ishaben

- Alumni year: 2023
- Current position: HR Executive at Kryzetech

Dr. Vrajesh Patel

- Alumni year: 2023
- Current position: Core Faculty Biology,At : SBR SCIENCE SCHOOL, Bardoli
- Special Achievements: GSET- 2019
- Paper Publication – 03
- Paper presented/ Attended in Seminar, Conference etc.- 05
- Few Words for Department: Completing my PhD in microbiology from the Department of Biosciences , VNSGU, Surat was an enriching experience. Under the guidance of Proff. Kailash Patel, our department excels in fostering a conducive research environment. The laboratory facilities are equipped with sophisticated instruments, enhancing our ability to conduct innovative research and make significant contributions to the field of Bioscience."

Ms. Henisha Pandulkar

- Passing Year from the Department: M.Sc. 2021-2023
- Qualification: Msc. Microbiology
- Current Position: Currently Working in Department of Biosciences Under the Project "Genomic Surveillance for SARS-CoV-2 in India: Indian SARS-CoV-2 Genomics Consortium (INSACOG) Phase II".
- Few Words for Department: From the First day of M. Sc. I have learned so much from this department. The values, wisdom, knowledge and the the vision I gained during this time of acedemics will always be helpful to me wherever I go. Thank you to all the faculty members and also to non-teaching staff members for helping us throughout

PORIYA MANSI

- Passing year : 2023
- Qualification : M. Sc. Microbiology
- Current position : Lab technician in currently working under this " Genomic surveillance for SARS-COV-2 In India : Indian SARS-COV-2 genomics consortium (INSACOG) - phase 2" at VNSGU, Surat.
- Special Achievements : First rank as well as best poster presentation Award on topic "Assessment of the degradation potential and genomic insights towards LDPE and PET by Microbacterium barkeri PL8 in the 6th national Conference on " Contemporary Developments at Biotech - Bioinformatics Interfere "
- Few words for department : From the first day of M. Sc. I have learned so much from this department. The values, wisdom, knowledge and the the vision I gained during this time of acedemics will always be helpful to me wherever I go. Thank you to all the faculty members and also to non-teaching staff members for helping us throughout.

Foram Rathod

- Alumni year: 2021
- Current position: teacher at R.K.Bhatt English medium school , Palsana
- Few Words for Department: I deeply cherished my educational journey here, as it provided me with invaluable insights and knowledge

HINAL HIMANSHU PATEL

- Passing year : 2020
- Qualification : M.Phil
- Current position Founder of " MATHSCI EDUCATOR" and " SHIKSHA CLASSES "

Parekh Honey

- Passing Year:- 2018
- Qualification: P.hD
- Current Position: Lead teacher of Biology in Secondary school (Sixth Former), London, UK.
- Few Words for Department: As a proud alumna of Veer Narmad South Gujarat University, (Bioscience Department),Surat, Gujarat, India. I am privileged to have completed my doctoral studies within its hallowed halls. VNSGU offers a stimulating environment where innovation thrives, and boundaries are continually pushed. My time at this illustrious university not only deepened my expertise in my field but also instilled in me a lifelong passion for learning and discovery. The supportive faculty and vibrant academic community provided invaluable mentorship and guidance, nurturing my passion for research, and fostering a spirit of collaboration. VNSGU not only equipped me with the knowledge and skills necessary for success in my career but also cultivated a lifelong commitment to learning, innovation, and service to others.

List of Seminar / Conference / Workshop / Training at Department

Sr. No.	Seminars / Conferences / Workshop	Funding Agency	State / National / International	Participants
1	Workshop on HPTLC and its application 07 to 08/10/2011	Self-Generated	State	24
2	Seminar on Bird Rescues 12/01/2012	Department of Gujarat forest, Gov. funded	State	150
3	National conference 1st Biological Tools for Sustainable Environment (BTSE) 11/10/2014	UGC - SAP	National	189
4	Hands on Training of sophisticated Instruments 03/03/2015	Self-Generated	State	20
5	Workshop on genotoxicity and mutagenicity 18 to 21/10/2015	Self-Generated	State	48
6	National conference 2nd Biological Tools for Sustainable Environment (BTSE) 19 to 20/02/2016	UGC - SAP and Golden Jubilee	National	276
7	Curriculum Development for PG Diploma in Toxicology 06/08/2016	Self	-	-

Conference/ Seminar/ Lectures Organization

Sr. No.	Name of event	Resource person	Participants	Date
1	2nd National conference on Biological Tools for sustainable environment (BTSE)	Dr. S. T. Ingle (NMU, Jalgoan), Dr. J. A. Khan (GBB, Gandhinagar)	210	19-20 /02/2016
2	Symposium on contemporary trends in Cancer Research	Dr. Rakesh Rawal (GCRI), Dr. Arvind Ingle (ACTREC, Mumbai), Dr. Shiva Chettiar (Genexplore)	114	3/18/2017
3	Special Lecture on Basic Genetics and Chromosome System	Dr. P. Reddy (Hyderabad)	104	9/5/2018
4	3rd National conference on BTSE	Dr. Ramesh Kothari (Saurashtra Uni, Rajkot)	172	3/24/2018
5	Invited Lecture on Bioleaching of Heavy Metals	Dr. S. R. Dave (GU, Ahmedabad)	86	2/16/2019
6	Special Lecture on Environmental and Ecogenomics	Dr. Hemant Purohit (NEERI, Nagpur)	153	3/20/2019
7	4th National Conference on BTSE	Dr. Kartikey (Kutch)	238	3/2/2019
8	5th National online conference on BTSE	Dr. Manish Kumar (IIT), Dr. Pravin Puranik (KBSNMU, Jalgoan), Dr. Devyani Tipre (GU, Ahmedabad)	512	3/27/2021
9	An International Conference on Path and Prospects in Applied Biosciences.	Dr. Bartłomiej Glina, Department of Soil Science and Microbiology, Poznań University of Life Sciences, Poland. 2. Dr. Niraj Tandon, former Scientist G (SeniorDeputy Director General) at the Indian Council of Medical Research (ICMR).3. Lalu Rudyat Telly Savalas, Lecturer in Biochemistry, Department of Chemistry, Faculty of Teacher Training and Education, University of Mataram Nusa Tenggara Barat, Indonesia.	203	30-31/07/2022

Conference/ Seminar/ Lectures Organization

Sr. No.	Name of event	Resource person	Participants	Date
10	A Seminar on Medicinal Plants	Dr. Yagnesh Vyas, MD (Ayur), Shri O.H. Nazar Ayurved College, Surat Dr. Minoo Parabia Former Head and Professor of Biosciences Department, VNSGU and Founder of Shree Bapalal Vaidya Botanical Research Centre.	121	17-07-2022
11	6th National Conference on Contemporary Developments at the Biotech-Bioinformatics Interface	Prof. Rup Lal, Delhi, Dr. Chaitanya Joshi, Director, Dr. Saravanan Matheshwaran, IIT, Kanpur, Prof. S. P. Singh, Dr. Amit Kanani, Deputy Director of Animal Husbandry, Department of Animal Husbandry, GoG, Ahmedabad. Dr. Shiva Chettiar, Director, GeneXplore Ahmedabad, Dr. Kirtan Dave, Assi. Prof., Parul University, Vadodara,Dr. Pimlapas Leekitcharoenphon, University of Denmark.	140	March 23-24, 20024

Instrumental Workshops

Sr. No.	Workshop Organized	No. of participants	Dates
1	Workshop computer aided drug discovery and microbiome analysis	66	31/03/2019
2	One Day National Workshop on Computation in Life Sciences	46	25/03/2018
3	Workshop on Principle and Application : GC-MS	20	20-22/09/2021
4	HPLC workshop	10	03/05/2021
5	NGS workshop	20	01-03/07/2021
6	Workshop in GCMS, Sequencing	33	26-02-2022 to 27-02-2022
7.	Workshop on "Revolutionizing Global Healthcare Through In Silico Innovation	34	September 24-25, 2023



National Conference - 2016

Name of Event	Resource Person	Participants	Date
2nd National conference on Biological Tools for sustainable environment (BTSE)	Dr. S. T. Ingle (NMU, Jalgoan), Dr. J. A. Khan (GBB, Gandhinagar)	210	19-20 /02/2016

Symposium - 2017

Name of event	Resource person	Participants	Date
Symposium on contemporary trends in Cancer Research	Dr. Rakesh Rawal (GCRI), Dr. Arvind Ingle (ACTREC, Mumbai), Dr. Shiva Chettiar (Genexplore)	114	3/18/2017

National Conference - 2018

Name of event	Resource person	Participants	Date
3rd National conference on BTSE	Dr. Ramesh Kothari (Saurashtra Uni, Rajkot)	172	3/24/2018

National Conference - 2018

Name of event	Resource person	Participants	Date
One Day National Workshop on Computation in Life Sciences	Dr. Prakash Koringa, Dr. Vimal Prajapti, Dr. Vishal Mevada, Dr. Pravin Dhudhagara and Dr. Rajesh Patel	46	25/03/2018

National Conference - 2019

Name of event	Resource person	Participants	Date
4th National Conference on BTSE	Dr. Kartikey (Kutch)	238	3/2/2019






Workshop - 2019

Name of event	Resource person	Participants	Date
Workshop on computer aided drug discovery and microbiome analysis	Dr. Vishal Mevada, Dr. Rajesh Patel and Dr. Pravin Dhudhagara	66	31/03/2019







Online Conference - 2021

Name of event	Resource person	Participants	Date
5th National online conference on BTSE	Dr. Manish Kumar (IIT), Dr. Pravin Puranik (KBSNMU, Jalgoan), Dr. Devyani Tipre (GU, Ahmedabad)	512	3/27/2021

International Conference - 2022

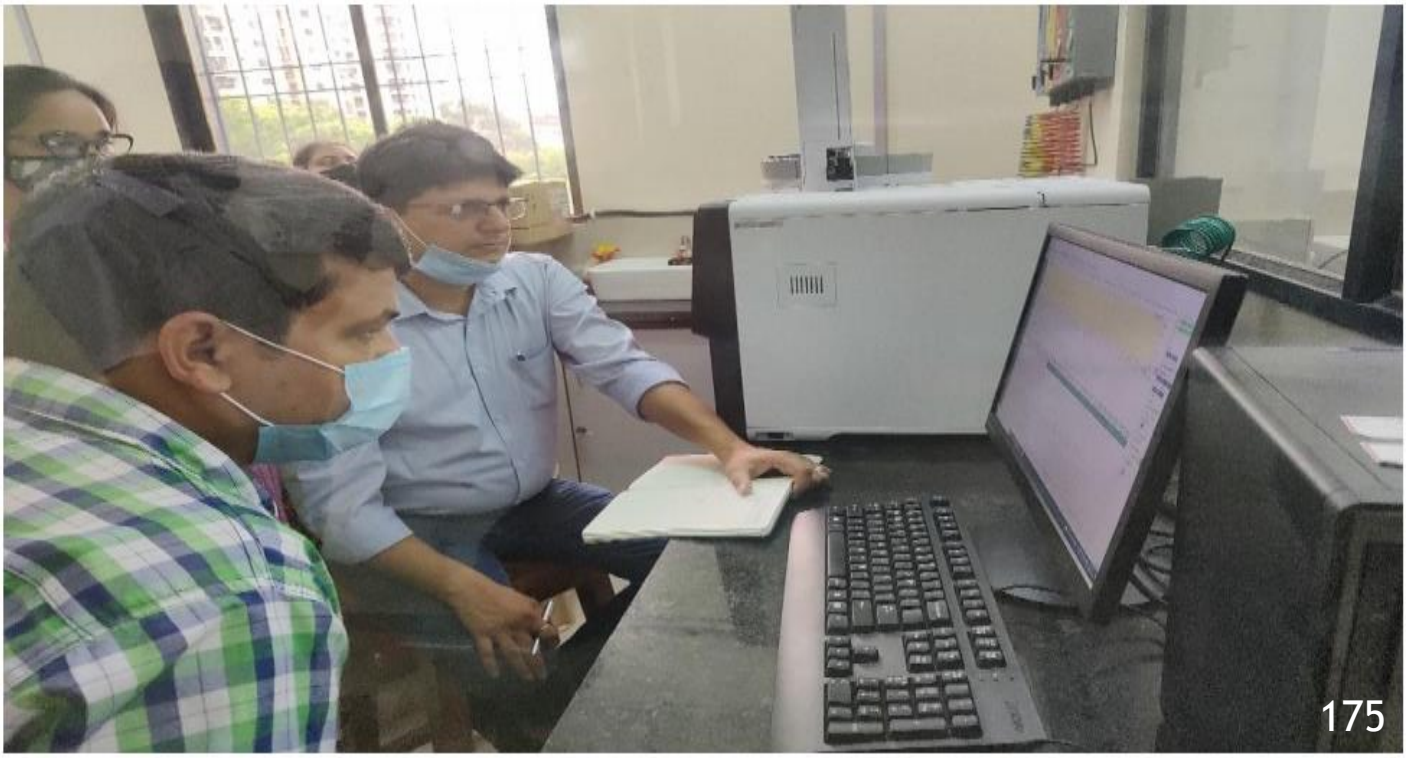
Name of event	Resource person	Partici pants	Date
An International Conference on Path and Prospects in Applied Biosciences	[1] Dr. Bartłomiej Glina, Department of Soil Science and Microbiology, Poznań University of Life Sciences, Poland. [2] 2. Dr. Niraj Tandon, former Scientist G (SeniorDeputy Director General) at the Indian Council of Medical Research (ICMR). [3] 3. Lalu Rudyat Telly Savalas, Lecturer in Biochemistry, Department of Chemistry, Faculty of Teacher Training and Education, University of Mataram Nusa Tenggara Barat, Indonesia.	203	30-31 July 2022

Seminar - 2022

Name of event	Resource person	Participants	Date
A Seminar on Medicinal Plants	[1] Dr. Yagnesh Vyas, MD (Ayur), Shri O.H. Nazar Ayurved College, Surat [2] Dr. Minoo Parabia Former Head and Professor of Biosciences Department, VNSGU and Founder of Shree Bapalal Vaidya Botanical Research Centre.	121	17-07-2022

Workshop - 2022

Name of event	Resource person	Partici pants	Date
Workshop in GCMS, Sequencing	Dr. Niraj Sojitra , Mr. R Girijan Dr. Rajesh Patel, dr. Farzin Parabia	33	26-02-2022 to 27-02-2022



Workshop - 2023

Name of event	Resource person	Participants	Date
Workshop on "Revolutionizing Global Healthcare Through In Silico Innovation	Dr. Dhavl Patel, Dr. Mitesh Patel, Dr. Vishal Mevada and Dr. Rajesh Patel	34	September 24-25, 2023

National Conference - 2023

Name of event	Resource person	Participants	Date
6th National Conference on Contemporary Developments at the Biotech-Bioinformatics Interface	[1] Prof. Rup Lal, Delhi [2] Dr. Chaitanya Joshi, Director, [3] Dr. Saravanan Matheshwaran, IIT, Kanpur [4] Prof. S. P. Singh, [5] Dr. Amit Kanani, Deputy Director of Animal Husbandry, Department of Animal Husbandry, GoG, Ahmedabad [6] Dr. Shiva Chettiar, Director, GeneXplore Ahmedabad [7] Dr. Kirtan Dave, Assi. Prof., Parul University, Vadodara [8] Dr. Pimlapas Leekitcharoenphon, University of Denmark	140	March 23-24, 20024

National Conference - 2024

Sustainable Agriculture Workshop

One Day Symposium- 2023

List of Curricular Activities

Sr. No.	Curricular Activities	Date
1	Biological Excursion at Vansda National Park	02-01-2014
2	Biological Excursion at Umargam	24-02-2015
3	Biological Excursion at Mahal	10-09-2016
Sr. No.	**Extra-Curricular Activities**	**Date**
1	Swachhta Abhiyan	02-10-2014
2	Drawing Compition (Mahatma Gandhi & Swachchta Abhiyan)	30-01-2015
3	A Talk on World Breast Feeding Week	04-08-2016
4	Gujarat Ko Jano Bharat Ko Pehchano	29-08-2016

List of Curricular Activities

Sr. No.	Curricular Activities	Date
4	Environmental and Ecogenomics	20-03-2019
5	Science Awareness Progarmme	23-02-2022 to 26-02-2022
6	Workshop in GCMS, Sequencing	26-02-2022 to 27-02-2022
Sr. No.	**Extra-Curricular Activities**	**Date**
5	Annaul Day Celebration	09-03-2016
6	Farewell Party Celebration	24-02-2018
7	Teacher's day Celebration	05-09-2019
8	Sport's day	24/01/2020

List of Curricular/Extra-Curricular Activities

Sr. No.	Curricular Activities	Date
7	Awareness to G20 Summit - 2023	21/01/2023
8	Under the edges of G20 Climate Change: Impact on Biodiversity Conservation	15 th September, 2023
9	Under the edges of G20 Scope of Entrepreneurship & IPR in Life sciences	26 th September, 2023
Sr. No.	**Extra-Curricular Activities**	**Date**
9	Tree Plantation & Certificate Distribution	24 th July, 2023
10	Under the edges of G20 Woman Health & Hygiene	4 th August, 2023
11	Enhancing English Language Proficiency Guest Lecture	26 th July, 2023
12	Under the edges of G20 Rangoli & Drawing Competition	12 th September, 2023

List of Curricular/Extra-Curricular Activities

Sr. No.	Curricular Activities	Date
4	6 th National Conference on "Contemporary Development at Biotech-bioinformatics Interface"	23-24 th March, 2024
5	“Building ADR Reporting Culture for patient safety. In accordance to 4th National Pharmacovigilance week.”	18th September, 2024
6	Wild life week Celebration	3-9 October 2024
Sr. No.	**Extra-Curricular Activities**	**Date**
5	Suposhit Bharat Abhiyaan Vikas	4th & 5th October, 2024
6	Saptah Celebration 2024	9th October, 2024
7	“Essay Writing Competition”	21 October 2024
8	Krishna Janmotsav Celebration	

Transformative Impact: Bioscience's Vital Role in Society's Advancement

Swachhta Abhiyaan

Children’s Science Congress - 2022

Name of event	Details	Participants	Date
30 th Surat District Gujarat State Level National Children’s Science Congress 2022	District Level Competition, Gujarat Council of Science and Technology and Prof. Minoo Parabia Endowment Fund, Shree Bapalal Vaidya Botanical Research Centre and Prof. Minoo Parabia Endowment Fund	250	1-10-2022

Science Awareness Programmes - 2022

Name of event	Details	Partici pants	Date
Science Awareness Progarmme	Demonstration of Microscopic techniques, Instrument Quiz and BVBRC vist was organized for school students	73	23-02-2022 to 26-02-2022





Awareness to G20 Summit - 2023

वसुधैव कुटुम्बकम्

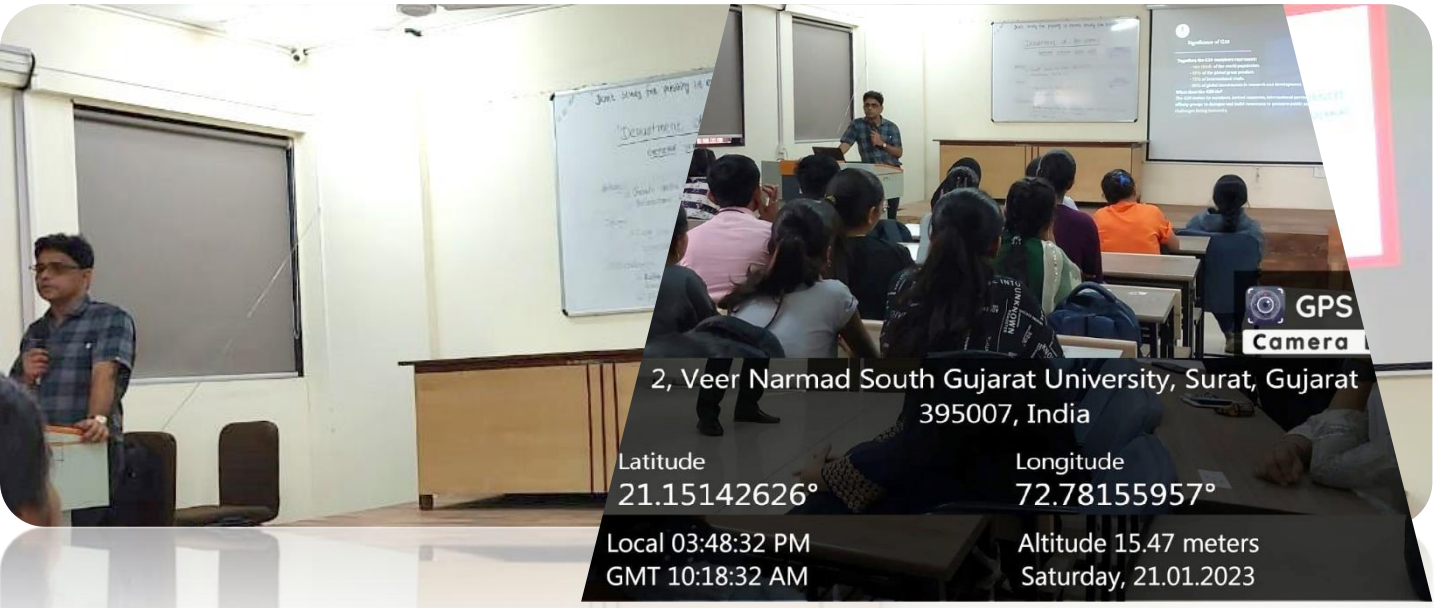
ONE EARTH • ONE FAMILY • ONE FUTURE

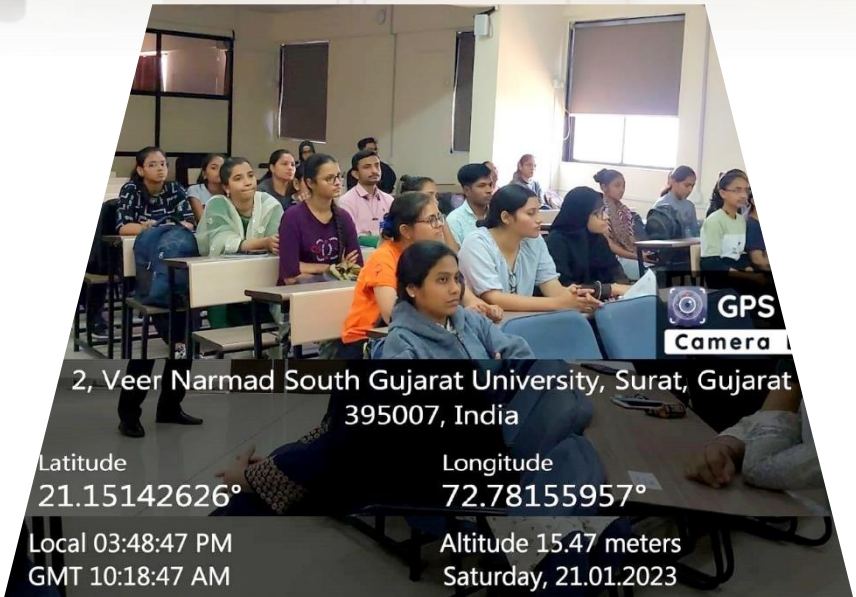
G20 भारत 2023 INDIA

Department of Biosciences, Veer Narmad South Gujarat University

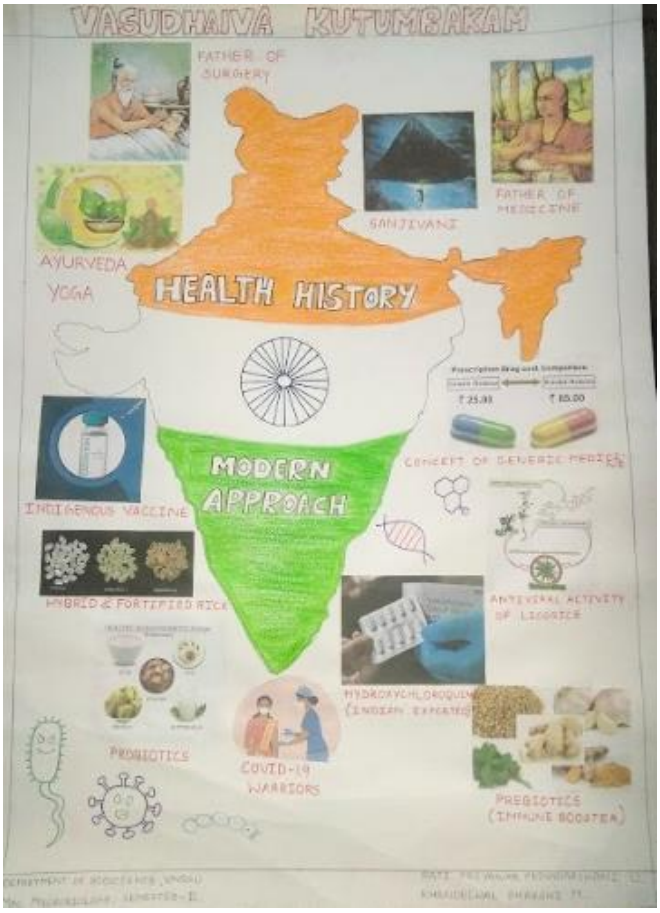
"Awareness to G20 Summit, 2023"

21st January, 2023





E-Poster Competition



Invited Talk on "WOMEN EMPOWERMENT" on 14th March, 2023

Organized by the

Department of Biosciences, (UGC-SAP-DRS-II & DST-FIST-I),

Veer Narmad South Gujarat University, Surat

Under the aegis of the G20 Activities

Registration Link: https://forms.gle/8WiRZSmtn93fozyK7

6th National Conference on

Biological Tools for Sustainable Environment

March 25, 2023

Organised under the aegis of India's G20 Presidency

DEPARTMENT OF BIOSCIENCES
(UGC-SAP-DRS-II & DST-FIST-I)
Veer Narmad South Gujarat University
Udhana-Magdalla Road, Surat-395007, INDIA

वसुधैव कुटुम्बकम्
ONE EARTH • ONE FAMILY • ONE FUTURE

Rangoli and Drawing Competition

Exploring Bioscience: A Digital Journey on Social Media

ફનફેર | જાતે બનાવેલી વસ્તુઓ વેચીને સ્ટુડન્ટ્સ બિઝનેસ-સેલ્સ વિશે શીખ્યા

સુરત। વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટીના વુમન ડેવલપમેન્ટ સેલ અને બાયો ડિપાર્ટમેન્ટ દ્વારા ફન ફેરનું આયોજન કરવામાં આવ્યું હતું. ખાસ કરીને વિદ્યાર્થીઓમાં માર્કેટિંગ સ્કિલ વધે અને તેઓ આર્થિક રીતે પગભર બની શકે તે હેતુથી આ કાર્યક્રમ યોજવામાં આવ્યો હતો. યુનિવર્સિટીના વિવિધ વિભાગોના વિદ્યાર્થીઓ દ્વારા જુદા જુદા ફૂડ સ્ટોલ તેમજ રેઝિન આર્ટના સ્ટોલ તેમજ રમત ગમતના સ્ટોલ પણ રાખવામાં આવ્યા હતા. આ મેળાનું સફળતાપૂર્વક આયોજન વુમન ડેવલપમેન્ટ સેલના ટીમ મેમ્બર તથા ગણિતશાસ્ત્ર અને જીવવિજ્ઞાન વિભાગના વડા,

છાત્રોએ રામ મંદિર થીમ પર રંગોળી બનાવી

સુરત। વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટીમાં 16 થી 22 જાન્યુઆરી સુધી રામોત્સવનું આયોજન કરવામા આવ્યું છે. જેના સંદર્ભે રામ મંદિર થીમ પર રંગો[illegible] નાવવામાં આવી છે. જેમાં જીવવિજ્ઞાન વિભાગના વિદ્યાર્થીઓ દ્વારા [illegible] રંગોળી બનાવી કેમ્પસને સજાવવામાં આવ્યું છે.

93 છાત્રોનું રિસર્ચ સમાજ ઉપયોગી

રિસર્ચ યોજનાનો લાભ લેવામાં VNSGU રાજ્યમાં પહેલા નંબરે

માસિક 15 હજાર સ્ટાઈપેન્ડ, વાર્ષિક 20 હજાર આનુષંગિક ખર્ચ પેટે મળશે

ભાસ્કર ન્યૂઝ | સુરત

વીર નર્મદ દક્ષિણ ગુજરાત સહિતની રાજ્યની યુનિવર્સિટીઓમાં પીએચ.ડીનો અભ્યાસ કરનારા વિદ્યાર્થીઓને માસિક સ્ટાઇપેન્ડ આપવા માટે રાજ્ય સરકાર દ્વારા શોધ એટલે કે સિકમ ઓફ ડેવલપિંગ માઇ ડ્યોટિલી રિસર્ચ યોજના અમલમાં મુકાઈ છે.

જે યોજનાનો લાભ લેવામાં 93 વિદ્યાર્થીઓ સાથે વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી સમગ્ર રાજ્યમાં પહેલા નંબર પર રહી છે. જે 93 વિદ્યાર્થીઓને શોધ યોજના હેઠળ પ્રતિ માસ 15 હજાર રૂપિયાનું સ્ટાઈપેન્ડ સાથે વાર્ષિક રૂ. 20 હજાર અન્ય આનુષંગિક ખર્ચ પેટે અપાશે. આનુષંગિક ખર્ચ પેટે મળનાર રૂ.20 હજારમાંથી વિદ્યાર્થીએ પુસ્તકોની ખરીદી, સ્ટેશનરી ખરીદી કે અન્ય સાધનોની ખરીદી તથા ટ્રાન્સપોર્ટેશન માટે કરી શકશે.

જોકે, આ આર્થિક સહાય માત્ર 2 વર્ષ સુધી જ સહાય મળશે તથા તમામ વિદ્યાર્થીઓને સહાય નહીં મળશે. માત્ર ગુણવત્તાયુક્ત સંશોધન કરનારા વિદ્યાર્થીઓને જ મળશે એટલે કે તે ગુણવત્તાયુક્ત કે સમાજ ઉપયોગી હોવું જોઈએ. 93 વિદ્યાર્થીઓમાં 70 પુરૂષ અને 23 મહિલા છે.

ગુજરાત યુનિ.બીજા નંબર પર

93 વિદ્યાર્થી સાથે વીએનએસજીયુ પહેલા ક્રમેછે. 82 વિદ્યાર્થી સાથે ગુજરાત બીજા ક્રમે , 81 વિદ્યાર્થી સાથે શ્રી ગોવિંદ ગુરૂ યુનિવર્સિટી ત્રીજાક્રમે, 72 વિદ્યાર્થી સાથે સૌરાષ્ટ્ર યુનિવર્સિટી ચોથા નંબર પર, 54 વિદ્યાર્થી સાથે ઉ.ગુજરાત યુનિ. પાંચમાં ક્રમે, 46 વિદ્યાર્થી સાથે સરદાર પટેલ યુનિવર્સિટી છઠ્ઠા ક્રમે રહી છે.

વર્ષ 2022માં 105ની પસંદગી થઈ હતી

શોધ શિષ્યવૃત્તિ માટે 2022માં 46 યુનિવર્સિટીના 930 વિદ્યાર્થીઓની પસંદગી કરાઇ હતી. જેમાં સૌથી વધુ ઉ. ગુજરાત યુનિવર્સિટીના 115 વિદ્યાર્થી, બીજા ક્રમે નર્મદ યુનિવર્સિટીના 105 વિદ્યાર્થી અને ત્રીજા ક્રમે ગુજરાત યુનિવર્સિટીના 92 વિદ્યાર્થીની પસંદગી કરાઇ હતી. વર્ષ 2021માં 569ની પસંદગી કરાઇ હતી. જેમાં નર્મદ યુનિવર્સિટીના 20 વિદ્યાર્થી હતા.

સૌથી વધારે 22 બાયો સાયન્સના છાત્ર

• બાયો સાયન્સ 22 • કેમેસ્ટ્રી 19 • કોમર્સ 16 • [illegible] • ઇકોનોમેટ્રિક્સ 4 • ફિઝિક્સ 3 • ગુજરાતી 3 • બાયોટેક 2 • મેથેમેટિક્સ 2 • હિન્દી 2 • સાયકોલોજી 2 • સંસ્કૃત 2 • મેનેજમેન્ટ 1 • પબ્લિક એડમિનિસ્ટ્રેશન 1 • સોશ્યોલોજી 1

દ. ગુ. યુનિ.ના બાયો સાયન્સ વિભાગ દ્વારા સ્વચ્છતા પખવાડિયાની ઉજવણી

સુરત, તા. ૩૧

તા. ૨૮જાન્યુઆરી ૨૦૨૦ને મંગળવારના રોજ વીર નર્મદ દક્ષિણ ગુજરાતની યુનિવર્સિટીના બાયો સાયન્સવિભાગ દ્વારા વીજળી અંતર્ગત સ્વચ્છતા પખવાડિયાની ઉજવણીના ભાગરૂપે નુક્કડ નાટક (શેરી નાટક) વિદ્યાર્થીઓએ રજૂ કર્યું હતું. આ નાટકનું આયોજન ડૉ. કૈલાશ પટેલ દ્વારા કરવામાં આવ્યું હતું. વિદ્યાર્થીઓ અને શિક્ષકો ૧૧:૩૦ વાગ્યે બસ મારફતે ભાટપોરની પ્રાથમિક શાળા-૧માં જવા નીકળ્યા હતા. શાળામાં ૧૨:૩૦ વાગ્યે પહોંચ્યા. ત્યાંના આચાર્ય કિર્તેશભાઈ પટેલ અને શિક્ષકો તેમજ વિદ્યાર્થીઓએ અમારું સ્વાગત કર્યું હતું. અમારું નાટક જોવા ત્યાંના સરપંચ શ્રી દેવીદાસ પટેલ તેમજ ગામના લોકો પણ ઉપસ્થિત હતા. સૌ પ્રથમ ડૉ. કૈલાશ બેન પટેલએ આ નાટક વિશે જણાવ્યું અને અમારા ઉદ્દેશ વિશે જણાવ્યું ત્યારબાદ બાય વિદ્યાર્થીઓએ ગીત અને શ્લોક દ્વારા નાટકની શરૂઆત કરી આ નાટક દ્વારા સ્વચ્છતાનું મહત્વ અને જાગૃતિ આવેટ દ્વારા આખાદ વ્યક્ત કરવામાં આવ્યો. ત્યારબાદ બીજી બે શાળા, ભાટપોર પ્રાથમિક શાળા-૨ અને રાજપલ્લવ પ્રાથમિક શાળામાં આ નાટકની પ્રસ્તુતિ કરી રજાના વિદ્યાર્થીઓને ડૉ. કૈલાશ પટેલ દ્વારાભેટ આપવામા આવી. અંતે બધા ખૂબ આનંદપૂર્વક પાછા ફર્યા હતા.

સ્વચ્છતા પખવાડાના ઉપક્રમ હાંસોલના ભાટપોર ગામે બાયો સાયન્સ વિભાગ દ્વારા નુક્કડ નાટક થકી જાગરુકોને સમજાવવામાં આવેલ. આ માટે ડૉ. કૈલાશ પટેલ, ડૉ. પારા ગામીત, ડૉ. જાગૃતિ ભાવેટ, પી.ડી. પટેલ અને શૈલાબેન પાટેલે ભારે જહેમત ઉઠાવી હતી.

આ પ્રસંગે ડૉ. કૈલાસ પટેલે વિદ્યાર્થીઓને નાસ્તા માટે રૂા. ૫૦૦૦ની ભેટ આપેલ.

વીજીસી અંતર્ગત સ્વચ્છતા પખવાડિયાની ઉજવણીના ભાગરૂપે ડો. કૈલાશ પટેલની આગેવાનીમાં વિદ્યાર્થીઓએ શેરી નાટક રજૂ કર્યું

CITY ACTIVITY

ઇનિશિયેટિવ | વિદ્યાર્થીઓએ સ્લમ વિસ્તારમાં બાળકોને શિક્ષણ આપ્યું, હેન્ડિક્રાફ્ટની વસ્તુઓ બનાવતા શીખવ્યું

સુરત | VNSGUના જીવવિજ્ઞાન વિભાગના વિદ્યાર્થીઓ દ્વારા વિવિધ રેની ઉજવણીના ભાગરૂપે ચેરિટી રેનું સેલિબ્રેશન કરાયું હતું. જે અંતર્ગત તેઓએ સ્લમ વિસ્તારમાં બાળકોને શિક્ષણ આપ્યું હતું. એ સાથે જ તેમની સાથે વિવિધ પ્રકારની રમતો પણ રમ્યા હતા. સાથે જ હેન્ડિક્રાફ્ટની વસ્તુઓ પણ બનાવતા શીખવાડ્યું હતું. છેલ્લે બાળકોને નોટબુક, કલર અને પેન્સિલ જેવી ભેટ આપી તેમને ભોજન કરાવ્યું હતું. જીવ વિજ્ઞાન વિભાગના વડા ડૉ.કૈલાશ પટેલ માર્ગદર્શનમાં આ કાર્યક્રમ યોજાયો હતો.

ભારતીય વારસાનું જતન કરતાં સુરતના નિવૃત્ત પ્રોફેસર મીનુ પરબીયાનું સન્માન

સુરત, તા.૨ જે

વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી, સુરતના નિવૃત્ત પ્રોફેસર મીનુ પરબીઆનું સન્માન એમના વનૌષધિ સંશોધન, સંવર્ધન અને ભારતીય જ્ઞાન વારસાના જતન માટે કરેલા જીવન ભરના પ્રદાન બદલ અમદાવાદની સૃષ્ટિ નામની સંસ્થા દ્વારા સન્માન કરવામાં આવ્યું હતું.

અમદાવાદની સૃષ્ટિ નામની સંસ્થાનાં સ્થાપક પ્રોફેસર અનિલ ગુમા પ્રતિવર્ષ ભારતના અંતરિયાળ પ્રદેશો અને ગ્રામ્ય પ્રદેશોમાં મિત્રો સાથે ભ્રમણ કરી તેમજ તેમના સ્કાઉટ્સ દ્વારા સમાજ ઉપયોગી વ્યક્તિઓનો શોધખોળ કરતા હોય છે. તેમજ પ્રતિ વર્ષ અમદાવાદ ખાતે ચાર દિવસીય સાત્વિક મહોત્સવ ઉજવણી કરવામાં આવે છે, જેમાં ખેડૂતો અને સંશોધકો પોતાની ઉપજો લઈને આવતા હોય છે.

મહોત્સવ દરમિયાન દેશમાંથી આવાં વિશિષ્ટ કામો કરનારનું જાહેર સન્માન કરવામાં આવે છે. વર્ષ 2023 માં વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી, સુરતના નિવૃત્ત પ્રોફેસર મીનુ પરબીઆનું સન્માન એમના વનૌષધિ સંશોધન, સંવર્ધન અને ભારતીય જ્ઞાન વારસાના જતન માટે કરેલા જીવન ભરના પ્રદાન બદલ કર્યું છે. અમદાવાદમાં ભાગવત વિદ્યાપીઠ ખાતે યોજાયેલ કાર્યક્રમમાં પ્રવીણકાંત કે. લહેરી, પ્રોફેસર અનિલ ગુમા અને ડૉ. ભાસ્કરનાં વરદ હસ્તે ડૉ. મીનુ પરબીઆનું સન્માન કરાયું હતું.

વનૌષધિ સંશોધન, સંવર્ધન અને જ્ઞાન વારસાના જતન માટે કરેલી કામગીરીને અમદાવાદની સૃષ્ટી સંસ્થાએ બિરદાવી

નર્મદ યુનિ.ના બાયો સાયન્સ વિભાગના હેડ ડો.ટાંકને કેનેડાની યુનિ.નો એવોર્ડ

સુરત: શહેરની વીર નર્મદ દ.ગુ.યુનિ.ના બાયો-સાયન્સ વિભાગના હેડ પ્રોફેસર ડો.એસ.કે.ટાંકે કેનેડામાં બહુમાન પ્રાપ્ત કરી દેશનું ગૌરવ વધાર્યું છે. શહેરની વીર નર્મદ દ.ગુ.યુનિ.ના બાયો-સાયન્સ વિભાગના હેડ પ્રોફેસર ડો.એસ. કે.ટાંક પોતાના ફિલ્ડમાં રિસર્ચ અને એનાલિસીસ માટે સમગ્ર દક્ષિણ ગુજરાતમાં જાણીતા છે.

તેમને તાજેતરમાં જુલાઇ મહિનામાં કેનેડા યુનિ. ખાતે યોજાયેલી ઇન્ટરનેશનલ કોન્ફરન્સ ઓફ વોટર , સસ્ટેનેઇબલ એન્ડ એન્વાયરમેન્ટમાં સાયન્ટિફિક મેમ્બર તરીકે સેવા આપી હતી. સમગ્ર દેશમાંથી કેનેડાએ એકમાત્ર તેમનું નામ સિલકેટ કર્યું હતું. તેમની સેવા બદલ કેનેડાની યુનિ.એ તેમને આઉટ સ્ટેન્ડિંગ પર્ફોર્મન્સ એવોર્ડ આપી બહુમાન કર્યું હતું.

દક્ષિણ ગુજરાતના આદિવાસીઓના પર્યાવરણીય વ્યવહાર વિશે માહિતી એકત્રિત થશે

ધબકાર પ્રતિનિધિ સુરત, તા.૧૩

નર્મદ યુનિવર્સિટીના બાયોસાયન્સ વિભાગના પ્રોફેસર ડો. ધારા ગામીતને આઈસીએસએસઆર તરફથી દક્ષિણ ગુજરાતના આદિવાસી વિસ્તારોના એન્વાયરમેન્ટલ પ્રેક્ટિસીસ એટલે કે પર્યાવરણીય વ્યવહાર અંગેનો પ્રોજેક્ટ મળ્યો છે. આ પ્રોજેક્ટ બે વર્ષમાં પૂર્ણ કરવાનો રહેશે. જેમાં બે વિષયો છે એક આદિવાસી સમુદાયની જૂની ખેતી પદ્ધતિ અને આદિવાસીના ખોરાક.

વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટીના બાયોસાયન્સ વિભાગના પ્રોફેસર ડો. ધારા ગામીતને ઇન્ડિયન કાઉન્સિલ ઓફ સોશિયલ સાયન્સ રિસર્ચ, (આઈસીએસએસઆર) તરફથી પ્રોજેક્ટ મળ્યો છે. દક્ષિણ ગુજરાતના આદિવાસી વિસ્તારમાં એન્વાયરમેન્ટલ પ્રેક્ટિસીસ એટલે કે પર્યાવરણીય વ્યવહાર. આ પ્રોજેક્ટમાં બે વિષયો છે. એક છે આદિવાસી સમુદાયની જૂની ખેતી પદ્ધતિ. તે જમાનામાં ખેતીની જે જૂની પદ્ધતિ હતી. તે ઋતુ પ્રમાણે જુદી જુદી પદ્ધતિ હતી. તેથી પર્યાવરણને બિલકુલ નુકસાન બાયો સાયન્સના પ્રો. ડો. ધારા ગામીત દ્વારા દક્ષિણ ગુજરાત આદિવાસીઓની જૂની ખેતી પદ્ધતિ અને ખોરાક વિશે સંશોધન થશે : સંશોધનની ડિજિટલ ડેટા બેન્ક તૈયાર કરાશે

અનુ. પાના ૭ પર

ભારતીય વારસાનું જતન કરતાં સુરતના નિવૃત્ત પ્રોફેસર મીનુ પરબીયાનું સન્માન

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વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી, સુરતના નિવૃત્ત પ્રોફેસર મીનુ પરબીઆનું સન્માન એમના વનૌષધિ સંશોધન, સંવર્ધન અને ભારતીય જ્ઞાન વારસાના જતન માટે કરેલા જીવન ભરના પ્રદાન બદલ અમદાવાદની સૃષ્ટિ નામની સંસ્થા દ્વારા સન્માન કરવામાં આવ્યું હતું.

અમદાવાદની સૃષ્ટિ નામની સંસ્થાનાં સ્થાપક પ્રોફેસર અનિલ ગુમા પ્રતિવર્ષ ભ્ા.ર.ત.ના.ં અંતરિયાળ પ્રદેશો અને ગ્રામ્ય પ્રદેશોમાં મિત્રો સાથે ભ્રમણ કરી તેમજ તેમના સ્ટાઉટ્સ દ્વારા સમાજ ઉપયોગી વ્યક્તિઓ ના શોધખોળ કરતા હોય છે. તેમજ પ્રતિ વર્ષ અમદાવાદ ખાતે ચાર દિવસીય સાલ્વિક મહોત્સવ ઉજવણી કરવામાં એ છે, જેમાં ખેડૂતો અને સંશોધકો પોતાની ઉપજો લઈને આવતા હોય છે.

વનૌષધિ સંશોધન, સંવર્ધન અને જ્ઞાન વારસાના જતન માટે કરેલી કામગીરીને અમદાવાદની સૃષ્ટિ સંસ્થાએ બિરદાવી

મહોત્સવ દરમિયાન દેશમાંથી આવાં વિશિષ્ટ કામો કરનારનું જાહેર સન્માન કરવામાં આવે છે. વર્ષ 2023 માં વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી, સુરતના નિવૃત્ત પ્રોફેસર મીનુ પરબીઆનું સન્માન એમના વનૌષધિ સંશોધન, સંવર્ધન અને ભારતીય જ્ઞાન વારસાના જતન માટે કરેલા જીવન ભરના પ્રદાન બદલ કર્યું છે. અમદાવાદમાં ભાગવત વિદ્યાપીઠ ખાતે યોજાયેલ કાર્યક્રમમાં પ્રવીણકાંત કે. લહેરી, પ્રોફેસર અનિલ ગુમા અને ડો. ભાસ્કરનાં વરદ હસ્તે ડો. મીનુ પરબીઆનું સન્માન કરાયું હતું.

વીર નર્મદ દક્ષિણ ગુજરાત યુનિ. ના બાયોસાયન્સ વિભાગના વડા દ્વારા

દક્ષિણ ગુજરાતના આદિવાસી સમુદાય પાસેથી જડીબુટ્ટી ઔષધી વનસ્પતિના જ્ઞાન-માહિતીનો સર્વે અને સંશોધન થશે

બાયોસાયન્સ વિભાગના વડા ડો. કૈલાશ પટેલ દ્વારા સંશોધન-સર્વે કરાશે : રાષ્ટ્રપતિ દ્રોપદી મૂર્મુએ કરેલા ખાસ આગ્રહવશ આઇસીએસએસઆર દ્વારા આ પ્રોજેક્ટ સોંપાયો

ધબકાર પ્રતિનિધિ

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વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટીના બાયોસાયન્સ વિભાગને આઈસીએસએસઆર તરફથી પ્રોજેક્ટ મંજૂર થયો છે. વિભાગના વડા ડો. કૈલાશ પટેલ દ્વારા દક્ષિણ ગુજરાતના આદિવાસી સમુદાય પાસે જડીબુટ્ટી અને ઔષધી વનસ્પતિનું જે જ્ઞાન અને માહિતી છે, તે એકત્રિત કરવા માટે સર્વે કરવામાં આવશે. એક વિસ્તૃત અહેવાલ બનાવવામાં આવશે. આ પ્રોજેક્ટ બે વર્ષમાં પ્રોજેક્ટ પૂર્ણ કરવાનો રહેશે.

નર્મદ યુનિવર્સિટીના બાયોસાયન્સ વિભાગના વડા ડો. કૈલાશ પટેલે માહિતી આપતા જણાવ્યું હતું કે ઇન્ડિયન કાઉન્સિલ ઓફ આઇસીએસએસઆર રિસર્ચ (આઈસીએસએસઆર) તરફથી પ્રોજેક્ટ મંજૂર કરવામાં આવ્યો છે. સામાન્ય રીતે સોશિયલ સાયન્સ રિસર્ચ દ્વારા સોશિયલ સાયન્સને લગતા પ્રોજેક્ટ માટે ફંડ આપવામાં આવે છે. પરંતુ રાષ્ટ્રપતિ દ્રૌપદી મુર્મુનો આગ્રહ છે કે સોશિયલ સાયન્સ દ્વારા અન્ય ક્ષેત્રોમાં પણ આદિવાસી

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સંશોધન સર્વેમાં આ બાબતો રહેશે

- જડીબુટ્ટી વિશે જાણતા ૨૦૦ આદિવાસીઓના ઇન્ટરવ્યૂ લેવાશે
- જડીબુટ્ટી ક્યાંથી અને કેવા પ્રકારની મેળવાય છે?
- જડીબુટ્ટી માટે જમીન અને વાતાવરણ
- જડીબુટ્ટીનો ઉપયોગ કેવી રીતે થાય છે?
- જડીબુટ્ટી સાથે તંત્ર, મંત્ર કરવાનું વૈજ્ઞાનિક કારણ શું છે?

શા માટે સંશોધન?

- જડીબુટ્ટી અંગે દસ્તાવેજીકરણ થાય
- નવી પેઢીને જડીબુટ્ટી તરફ વાળી શકાય
- જડીબુટ્ટીની ખેતી કરવામાં માહિતી મળે
- જડીબુટ્ટી અને વનસ્પતિ થકી આદિવાસીઓને આવકના વિકલ્પ મળે
- આયુર્વેદિક દવા બનાવતી કંપનીઓ સાથે જોડાણ થઇ શકે

યુનિવર્સિટીના બાયોસાયન્સ વિભાગનું પ્લાસ્ટિક ફ્રી કેમ્પસનું મિશન !

૬-૬ વિદ્યાર્થીઓના ગ્રૂપ બનાવવામાં આવ્યા, ૨૦૦ થી વધુ વિદ્યાર્થી અને ડિપાર્ટમેન્ટ હેડ સહિતના અધ્યાપકો પણ જોડાશે

સુરત: વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટીના બાયોસાયન્સ ડિપાર્ટમેન્ટના ઇકો ક્લબના વિદ્યાર્થીઓ દ્વારા ગુરૂવારે પ્લાસ્ટિક ફ્રી કેમ્પસના મિશન સાથે સમગ્ર કેમ્પસમાંથી પ્લાસ્ટિકનો કચરો એકઠો કરવામાં આવશે.

નર્મદ યુનિવર્સિટીન બાયોસાયન્સ ડિપાર્ટમેન્ટમાં અભ્યાસ કરતા વિદ્યાર્થીઓ દ્વારા ઇકો ક્લબની સ્થના કરવામાં આવી છે. આ ક્લબના વિદ્યાર્થીઓએ આગામી તા. ૧૦ ગુરૂવારના રોજ યુનિવર્સિટી કેમ્પસને પ્લાસ્ટિક ફ્રી કરવાના મિશનને પાર પાડવામાં આવશે. આ અંગે ડિપાર્ટમેન્ટના હેડ ડો. એસ. કે. ટાંકે જણાવ્યું હતું કે સાતેક માસ અગાઉ પણ કેમ્પસમાંથી ડિપાર્ટમેન્ટના વિદ્યાર્થીઓએ અંદાજે ૭૦ કિલોગ્રામથી વધુ પ્લાસ્ટિકનો કચરો એકઠો કર્યો હતો. કેમ્પસના પ્લાસ્ટિક ફ્રી રાખવાના મિશન સાથે ગુરૂવારે પુનઃ ૨૦૦ થી વધુ વિદ્યાર્થીઓ કેમ્પસમાંથી પ્લાસ્ટિક એકઠું કરશે. જેના માટે વિદ્યાર્થીઓએ ૬-૬ જણાનું ગ્રૂપ બનાવવામાં આવ્યું છે. સવારે ૧૧ થી ૧ વાગ્યા સુધી પ્લાસ્ટિક એકઠું કરવામાં આવશે અને તેનો ડિસ્પોઝલ સાઇટ પર નિકાલ કરી દેવામાં આવશે.

VNSGUના બાયો સાયન્સમાં સૂટ-સાડી ડેની ઉજવણી

સુરત । વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટીના બાયો સાયન્સ ડિપાર્ટમેન્ટ દ્વારા સૂટ એન્ડ સાડી ડેની ઉજવણી કરવામાં આવી હતી. જે અંતર્ગત વિદ્યાર્થિનીઓ સાડીમાં અને વિદ્યાર્થીઓ સૂટ પહેરીને કોલેજ આવ્યા હતા. આ પ્રસંગે તેઓએ કેટલીક ફન એક્ટિવિટી પણ કરી હતી. આ યાદગાર પળને હમેંશાં માટે યાદ રાખવા તેઓએ ફોટો પણ પડાવ્યો હતો.

દિવ્ય ભાસ્કર સુરત-સિટી ભાસ્કર 13-01-2024

રેડ ડે, બ્લેક એન્ડ વ્હાઇટ ડે તેમજ ડેનિમ ડે ની ઉજવણી

સુરત । વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટીના જીવવિજ્ઞાન વિભાગ માં વિવિધ ડે નું આયોજન કરવામાં આવ્યું છે જેમાં રેડ ડે, બ્લેક એન્ડ વ્હાઇટ ડે તેમજ ડેનિમ ડે ની ઉજવણી કરવામાં આવી હતી.

Vruksha Bandhan Day

રક્ષાબંધન પૂર્વે થઈ વૃક્ષાબંધનની વિશેષ ઉજવણી

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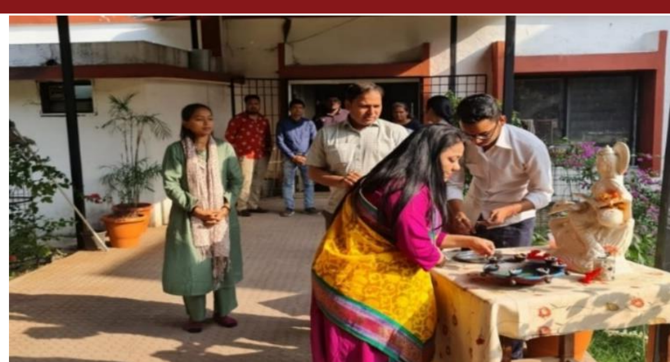
Vasant Panchami Celebration

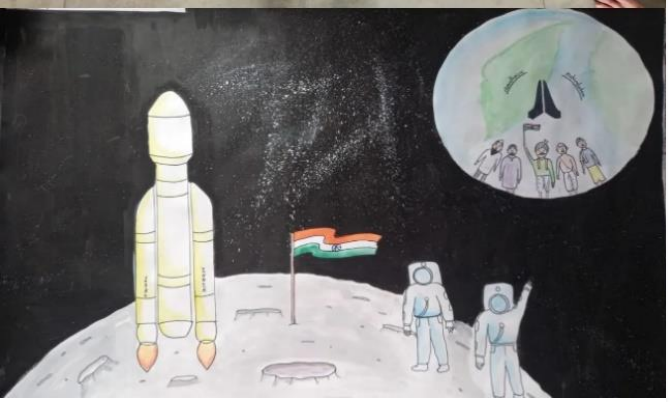


Tree Plantation

Fresher’s Party - 2023

Blood Donation Camp

Drawing and Rangoli Competition under G20 Event



Sports Day

Youth Festival

Laboratory visit in New Civil Hospital, Surat

Shree Ramotsav

Educational Tour

Fun Fair


GROW IN GRACE


VEER NARMAD SOUTH GUJARAT UNIVERSITY
WOMEN DEVELOPMENT CELL


VEER NARMAD SOUTH GUJARAT UNIVERSITY
WOMEN DEVELOPMENT CELL
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Charity Day

Charity Day was celebrated as part of various day celebrations by the students of Bioscience department of VNSGU on 4rth Feb 2024. Under which they taught children in the slum area. Also played various games with him. Also taught to make handicraft items. Finally, the children were given gifts like notebooks, colors and pencils and were fed. The program was held under the guidance of Dr. Kailash Patel, Head of the Department of Biosciences.

Spreading Joy and Knowledge: Charity Day Celebration

Blood Donation Camp

Greening our Future: Biosciences Department Campaign against Plastic Litter

Spreading Hope: Bioscience Department Green Revolution through Tree Plantation

Catalyzing Safety: Bioscience Department Pioneering Role in COVID-19 RT-PCR Testing

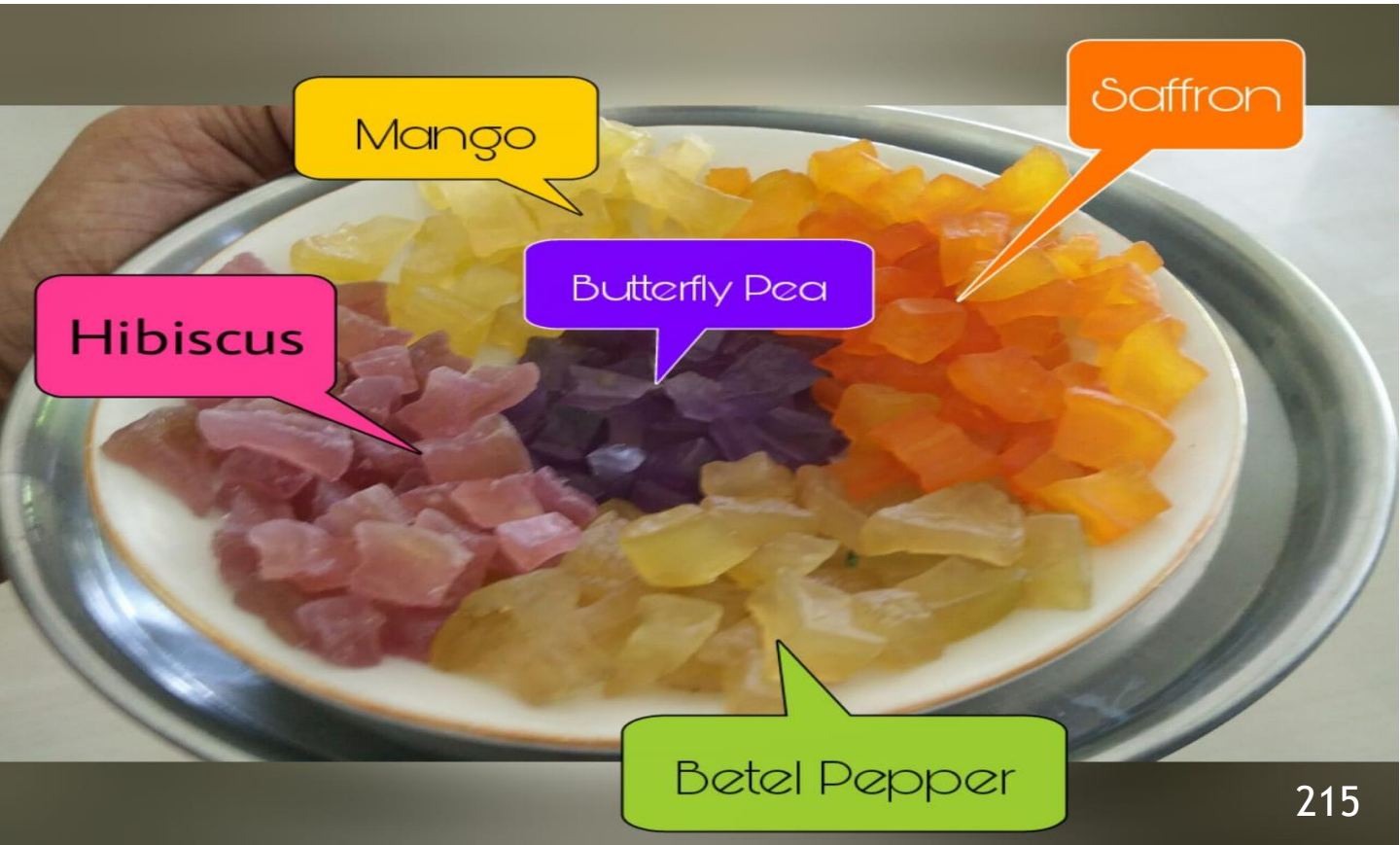
Sanjeevani Divas

Teacher's Day

Sanjeevani Divas

Mushroom Culture

Preparation of Natural Tutti-Frutti using Natural Colors



Seminar on Pharmacovigilance

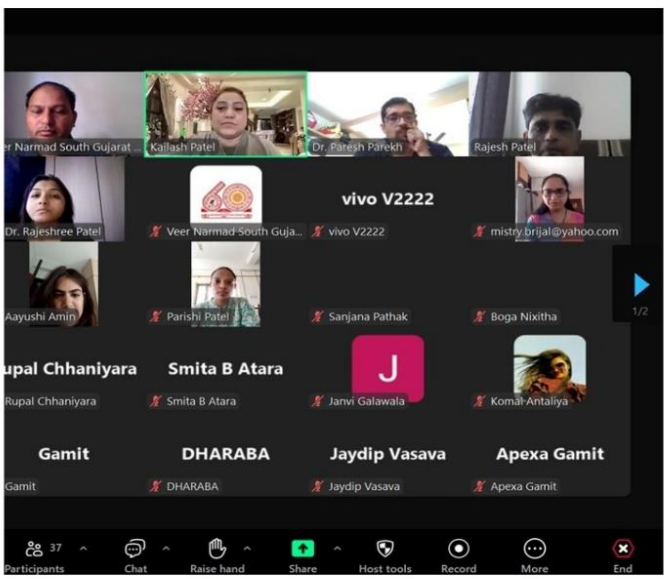
Navratri Celebration

સુપોષિત ભારત અભિયાન ૨૦૨૪

National Wildlife Week Celebration 2024

વિકાસ સપ્તાહ ઉજવણી ૨૦૨૪

Seminar on Start-up and Entrepreneurship



MOUs

Sr. No.	Name of the University
1	Gujarat Biotechnology Research Centre (GBRC)
2	Gujarat State Biotechnology Mission (GSBTM)
3	Vande Bharatam University
4	Gujarat Ayurveda University, Jamnagar

Testimonials

Dr. Rajesh K Patel
Professor

The Department of Biosciences at VNSGU, established in 1976 and recognized for excellence by UGC-SAP DRS-II and DST-FIST-I, invites you to explore the captivating world of life sciences.

We offer M.Sc. programs in Botany, Microbiology, and Zoology, alongside a PG Diploma in Laboratory Technology. Our curriculum is meticulously designed to equip you with in-depth knowledge and practical skills through research-oriented learning.

We foster a dynamic learning environment with well-equipped research laboratories furnished with advanced instruments like GCMS, NGS, HPLC, and HPTLC. Beyond classrooms, our commitment to research is reflected in specialized facilities like the BVBRC for plant research, a Bioinformatics lab for data analysis, a Supercomputer facility, and an ICMR-approved Covid-19 RTPCR laboratory.

Join our department and delve into the intricacies of life – you'll not only gain a thorough understanding but also develop the necessary skills for a rewarding career in biosciences.

Our esteemed faculty, strong alumni network, and industry connections will guide you on this transformative journey. Explore, understand, and build your future in biosciences at VNSGU's Department of Biosciences!

DR. FARZIN PARABIA

Associate Professor

Department of Biosciences was established in the year 1977-78. The department was initially started in two small rooms and a laboratory borrowed from the chemistry department. Together it was known as Science Building, later on department was housed in her own. The major thrust areas of out department are Botany, Microbiology, Zoology, Genomics, Bioinformatics, Medicinal Plants, Plant Anatomy and Environmental Science.The first head of the Department of Biosciences was Dr. Kiran Desai, followed by Dr. B.S. Vaidya, Dr. P.K. Hiradhar, Dr. M.H. Parabia, Dr. P.K. Gadhia, Dr. P.V. Desai, Dr. S.K. Tank, Dr. M.N. Reddy and the present head Dr. K.P. Patel. I have a pleasant childhood memory with all of them and also late Dr. Kewal Krishan and Prof. (Dr.) Y.J. Thanki. However, I carry reverential memory for all as interaction with them shaped my life.This department and I have nearly same age. I can say we both grew together, I am witness to its growth, and I am proud that my carrier is taking shape with my elders and friends. This department is not only brick and cement for me, I had my grooming with this department. There were no garden and no roads in those days. I loved to explore the field area backside of the building and enjoy at the bumps while travelling in the bus. Department always attracted and I spent my holidays here. My lots of memories are also with non-teaching staff Mr. Anirudh Desai (photographer), Mr. P.G. Patel (instrument in charge), Mrs. Shaila (lab assistant), Mr.Shaikh (store in charge), Maniben (clerk), Champakbhai (pune), Chandubhai (pune), Devjibhai (pune), Hasmukhbhai (pune) and four gardeners Ramdulare, Shrinath, Natukaka and Bhikhakaka. Limitations of space holds me back to write more, I only fondly remember them all at this moment.The Department of Biotechnology, is our dear sibling. Our department is proud to have Dr.Gaurav Shah, alumnus of this department as coordinator of the Department of Biotechnology. Department of Aquatic Biology is also having it lineage with us. Dr.Ragothaman, the first head of the Department of Aquatic Biology was a faculty of the Department of Biosciences, and the present head and dean of the faculty of Science Dr. Kapila Manoj is also an alumnus of this department. I had never dream that I would ever get a chance to serve this wonderful department. I am also an alumnus, I did my Masters in Plant Sciences in 2003 from this department. My destiny brings me back and I returned as Associate Professor in 2017. I am carrying further the great legacy of academicians up to the best of my ability.I am witness to the progress of this department and contribution of each head to this department. Dr. B.S. Vaidya has established the old building, Dr. P.K. Hiradhar has maintained the sustainable growth in the department by adding a new wing, Dr. M.H. Parabia has established Shri Bapalal Vaidya Botanical Research Centre and started course of integrated biotechnology which later on became independent department, Dr. P.K. Gadhia lead significant research on cell biology, Dr. P.V. Desai has brought the course of Genetic Engineering with instruments of molecular biology, Dr. S.K. Tank has developed new building from UGC-SAP, Dr. M.N. Reddy has brought DST-FIST and the present head Dr. K.P. Patel is leading this department successfully. How can I forget my other friends Prof. Rajesh Patel, Dr. Pravin Dudhagra, Dr.Jigna Desai, Dr. Jagruti Barot and Dr. Dhara Gamit. Thanks to our predecessors, who devotedly worked hard and sowed the seeds of ethos and scientific integrity. I very humbly genuflect to all my teachers and predecessors and pray almighty to make me serve my university with utmost sincerity.

Dr. Jagruti K. Barot
Assistant Professor

Veer Narmad South Gujarat University is the only state Government University in the South Gujarat region where exllence in Higher Education and Research is the main mission .It always believes in “Satyam Gyanam Anantam” Which means Truth, Knowledge, Infinity.

Department of Biosciences is the one of the most dynamic Department of VNSGU. It always tries to serve the high standards, education and research to student to shape up their bright carrier in any of the related fields.

For M.sc zoology programme, Well framed curriculum highly qualified faculties along with highly Sophisticated Laboratories and rich library facilities, students will get best exposure and experience in higher education and research.

Events Like Seminar, Study Tour, Workshops, Conferences are Organized regularly at department to ignite the young mind to shape their research carrier.

Alumni Students of Biosciences Department are spreaded across the World, Shows the high quality education provided here and its global acceptance.

SO, Come Get Enrolled, Explore, Experience and Reach to Excellence

Dr. Pravin R Dudhagara
Assistant Professor

The Department of Biosciences at Veer Narmad South Gujarat University is a leading center for life sciences education and research in South Gujarat.

The department strives to equip students with a deep understanding of biological concepts and prepare them for successful careers in various bioscience fields.

The department also conducts impactful research that addresses regional and national challenges, while fostering a collaborative and innovative research environment.

Dr. Dhara A Gamit
Assistant Professor

Department of Biosciences at Veer Narmad South Gujarat University, where excellence in teaching, groundbreaking research, and a commitment to innovation converge to shape the leaders and innovators of tomorrow.

With a diverse range of academic disciplines and interdisciplinary collaborations, we offer a rich and vibrant learning environment where students are challenged to think critically, engage with complex ideas, and discover their passions.

Research is at the core of our mission, driving innovation and discovery across a wide spectrum of fields. From exploring the frontiers of science and technology to addressing pressing social challenges, our faculty members are at the forefront of groundbreaking research that has the potential to transform lives and shape the future.

In addition to our academic programs and research endeavors, we are committed to serving our community and advancing the public good.

Join us on this journey of discovery, innovation, and learning. Together, we will continue to shape minds, inspire futures, and make a difference in the world.

Welcome to the Department of Biosciences- where possibilities are limitless, and the future is bright.

Dr. Rajeshree Patel

I want to express my heartfelt gratitude to each of you for your support and collaboration as Assistant Professor in our department. From the faculty to the administrative staff and our students, your support has been invaluable. I am honoured to be part of such a dynamic team, and I look forward to our continued work together. Expressing gratitude to y department head Dr. Kailash Patel for their support in research and academics work

Dr. Brijal Mistry

The Biosciences department is not just a collection of classrooms and laboratories; it's a thriving ecosystem of innovation and collaboration. Here, students are not merely taught, but mentored, guided by passionate educators who instil in them the skills and mindset necessary to navigate the complexities of modern science. As a teaching assistant, I am proud to play a role in shaping the future leaders of the biosciences, empowering them to tackle the pressing challenges facing our world with intelligence, compassion, and resilience.

Dr. Deenali N Patel

I would like to express my sincere gratitude to the Department of Biosciences at VNSGU, and especially to Dr. Kailash P. Patel. Your exceptional leadership and dedication to academic excellence have profoundly impacted our faculty community. As a faculty member in the Department of Biosciences at VNSGU, my experience has been incredibly rewarding. The collaborative atmosphere fosters creativity and innovation, allowing us to explore diverse research avenues

Dr. Hirali D Patel

"The Department of Bioscience stands as a beacon of academic excellence and scientific discovery. It is a place where curiosity meets knowledge, and where passion for understanding the natural world drives innovation and research. Our mission is to inspire and empower students to reach their full potential as scientists, researchers, and thought leaders in the biosciences. Together, we are building a future where knowledge transcends boundaries and contributes to the betterment of society."

Mr. Vishal M. Makwana

The Department of Biosciences is a vibrant academic hub, dedicated to excellence in research and education. With a strong focus on interdisciplinary studies, it offers students hands-on experience in areas ranging from molecular biology to ecology. The department's state-of-the-art facilities and innovative teaching methods foster critical thinking and research skills. It provides ample opportunities for collaboration on cutting-edge projects, making it a great place for academic and professional growth.

Ms Parishi Patel

The Department has very supportive and encouraging staff members they are always ready to serve themselves towards the students by showering their knowledge. The department has very good resource facilities which can help the students to grow their inner abilities. The most supportive and strong pillar of the Bioscience department is our respected HOD Dr. Kailash Patel, she is such a kind hearted person who is ready to serve herself towards the department. This department has given me a lot of things like to be honest in the work, and stay supportive to students.

Ms. Anjali Desai

As Biosciences Department is diverse By having a 4 different course the exposure and opportunities here are plenty compare to others So Enrolled & Get Yours !

Ms. Nidhi Dwivedi

The Biosciences department fosters a culture of excellence, curiosity, and collaboration, empowering students to explore the intricacies of life and make meaningful contributions to science. I'm continually inspired by the passion and dedication of both faculty and students. .As a teaching assistant, it's an honor to support and guide students on their journey towards becoming the next generation of leaders in the field of life sciences.

Special Achievement

The Department of Biosciences, VNSGU, extends heartfelt congratulations and gratitude to Dr. Mitesh Patel for this remarkable achievement. He has added yet another feather to the department's crown with his accomplishment

ઓલપાડના રહેવાસી અને નર્મદ યુનિવર્સિટીમાંથી અભ્યાસ પૂર્ણ કરનાર

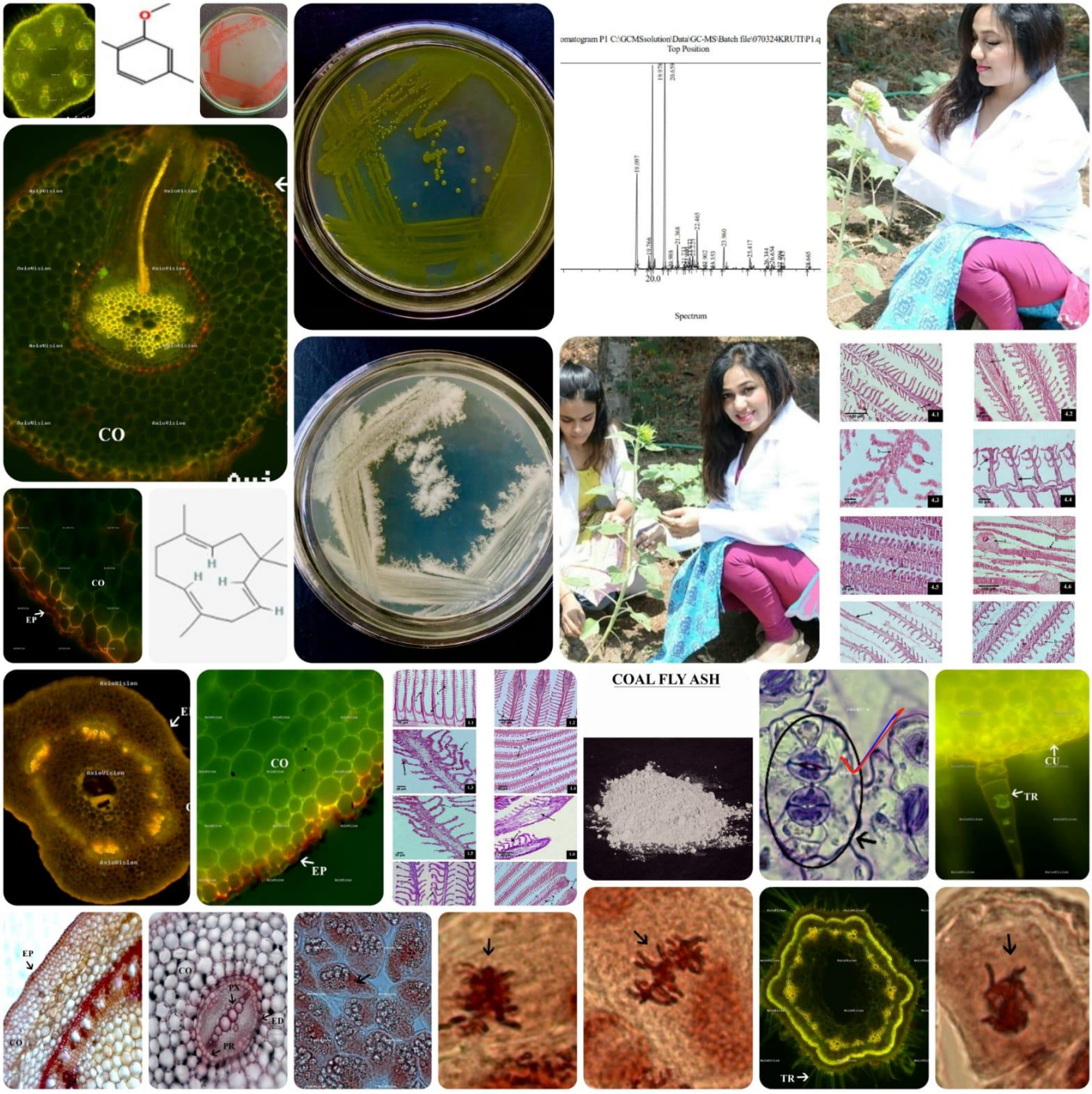
ડો.મિતેશ પટેલને અમેરિકાની સ્ટેનફોર્ડ યુનિવર્સિટીએ વિશ્વના ટોચના બે ટકા વૈજ્ઞાનિકોમાં સ્થાન આપ્યું

ડો.મિતેશ પટેલને માઈક્રોબાયલ વિશેષતા ઉપર તેમના સંશોધન માટે આ સન્માન મળતાં સુરત અને દેશ માટે ગર્વની વાત

સુરત: મૂળ ઓલપાડના રહેવાસી અને હાલ પારૂલ યુનિવર્સિટી વડોદરા ખાતે રિસર્ચર અને ફેકલ્ટી મેમ્બર ડો.મિતેશ પટેલએ સમગ્ર વિશ્વમાં સુરતને ગૌરવ અપાવ્યું છે. અમેરિકાની સ્ટેનફોર્ડ યુનિવર્સિટી દ્વારા વિશ્વમાં ટોચના બે ટકા વૈજ્ઞાનિકોમાં સ્થાન મળ્યું છે.

અમેરિકાની સ્ટેનફોર્ડ યુનિવર્સિટી દર વર્ષે વિશ્વના વૈજ્ઞાનિકોની યાદી બહાર પાડે છે. જેમાં ભારતમાંથી આશરે 40 થી 50 વૈજ્ઞાનિકોના નામ લીસ્ટેડ થાય છે. જેમાં ડો.મિતેશ વર્ષ 2024 ના વિશ્વના ટોચના બે ટકા વૈજ્ઞાનિકોમાં સ્થાન અપાયું છે. વિશ્વભરમાં 2,23,153 વૈજ્ઞાનિકોના સમૂહમાંથી તેમની પસંદગી કરાઈ છે. ટોચના 1 લાખ વૈજ્ઞાનિકોના મુલ્યાંકન માટે સાઈટેશન અને 2 ટકા પર્સન્ટાઈલ રેન્ક સામેલ હતુ. ડો.મિતેશએ બાયોમેડીકલ રિસર્ચ કર્યું છે. દરેક વૈજ્ઞાનિક પોતાની ફીલ્ડમાં સંશોધન કરે છે. તે સંશોધન પત્ર સાયન્ટીફીક જનરલમાં પબ્લીશ કરવાના હોય છે. અમેરિકાની સ્ટેનફોર્ડ યુનિવર્સિટી આખા વિશ્વમાંથી 4 થી 5 લાખ વૈજ્ઞાનિકોના ડેટા કલેક્ટ કરે છે. તેમાંથી 2 ટકા વૈજ્ઞાનિકોને સીલેક્ટ કરે છે. આ સિલેક્શનમાં આ વખતે સુરતમાં ઓલપાડ ખાતે રહેતા અને વીર નર્મદ યુનિવર્સિટીમાંથી પોતાનો અભ્યાસ કરનાર ડો.મિતેશની પસંદગી થઈ છે. જે સુરત સહિત સમગ્ર દેશને ગૌરવ અપાવ્યું છે.

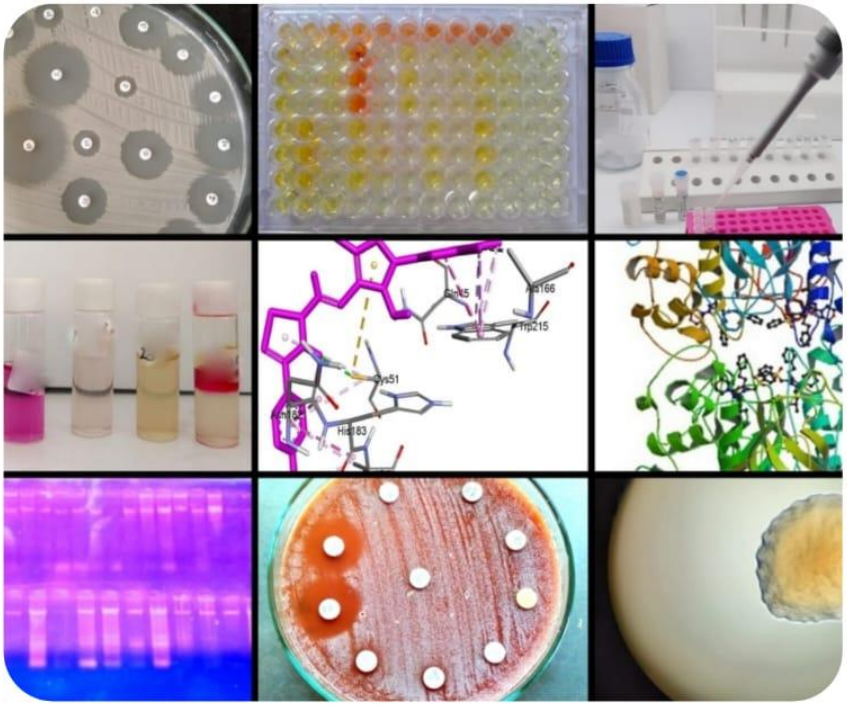
Glimpse of Research Activities of the Department



From Dr. Kailash Patel's Lab

Area of Research

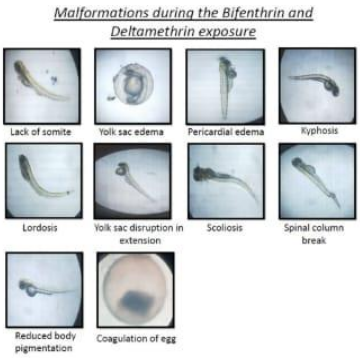
Plant Anatomy, Plant Physiology, Phytochemistry, Agromicrobiology, EnviroIndustrial Toxicology, Industrial Waste Management, Phytoremidiation



From Dr. Rajesh Patel's Lab

Area of Research

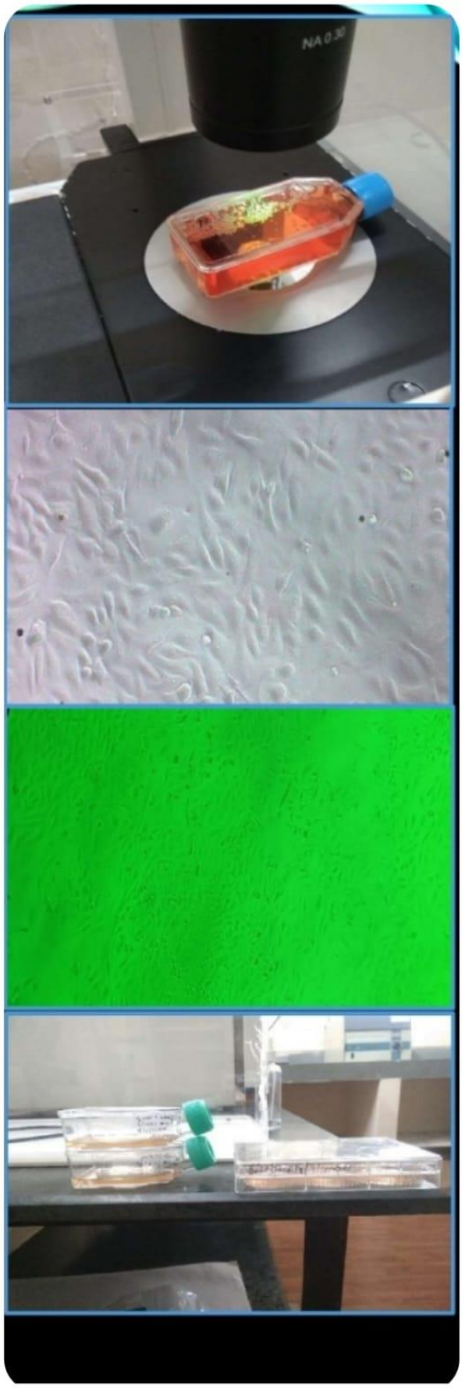
Microbiology, Molecular Biology, Bioinformatics, Drug Discovery, Environmental Microbiology, Biotechnology

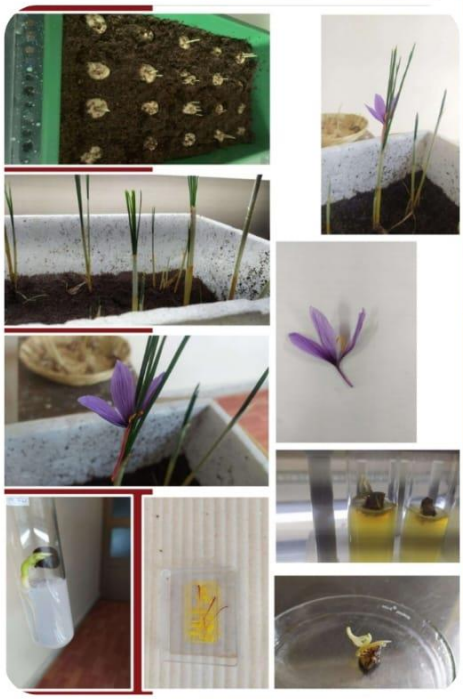


From Dr. Jigna Desai's Lab

Area of Research

Zoology, Animal Behavior, Biodiversity, Animal Cell Culture, Hydrobiology, Toxicology, Cytogenetics

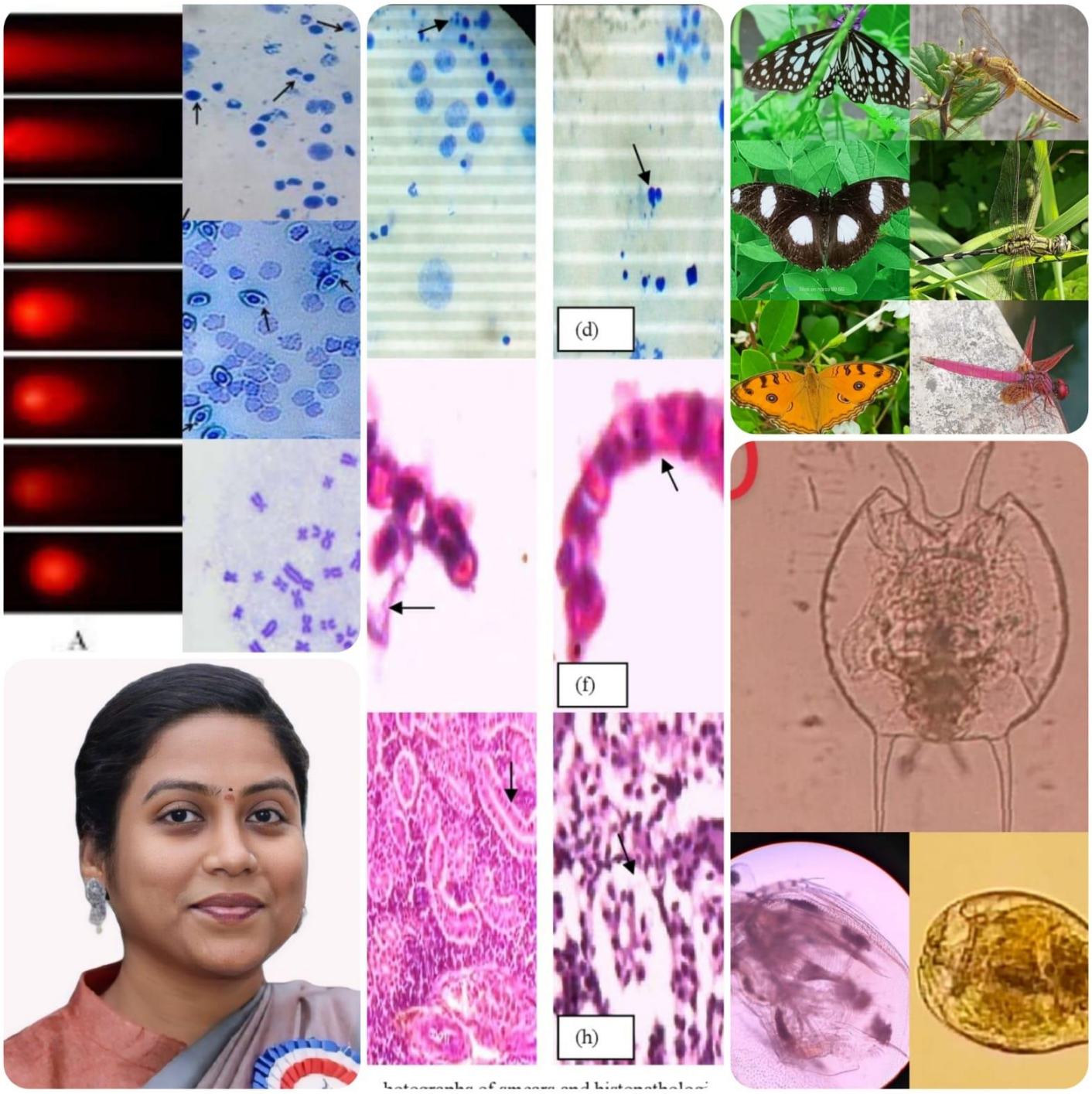




From Dr. Farzin Parabia's Lab

Area of Research

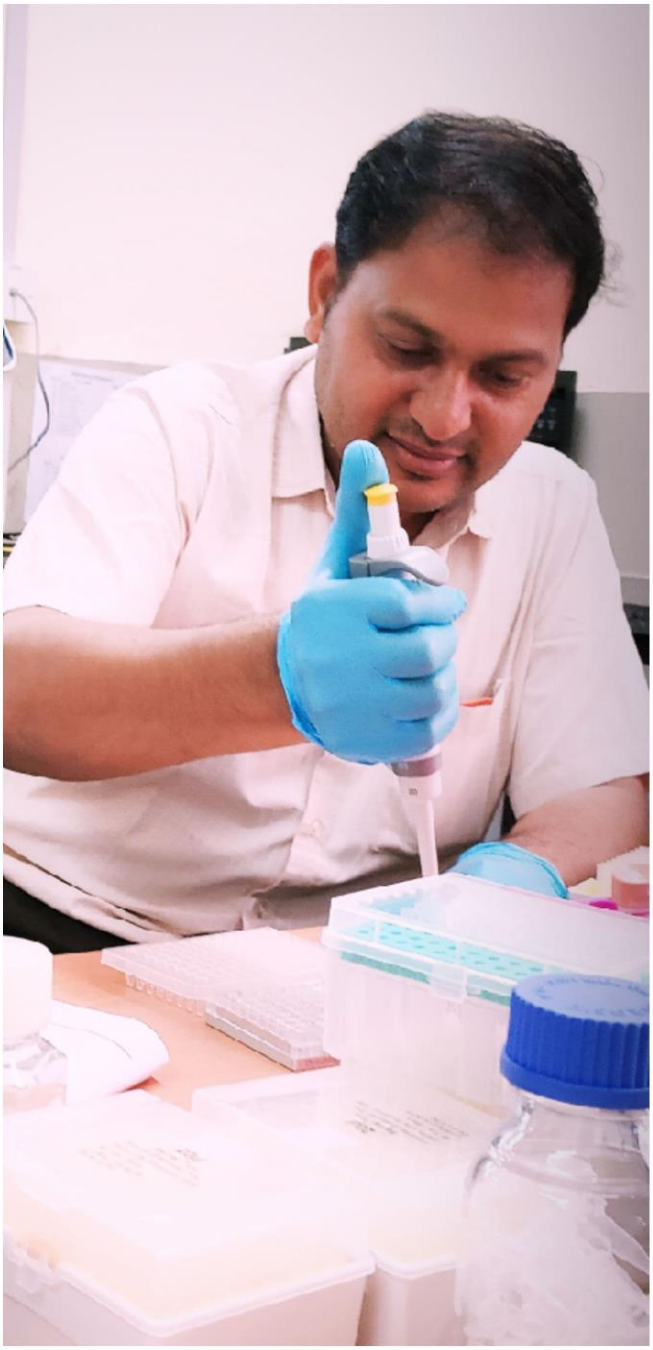
Plant Molecular Biology, Plant Tissue Culture, Angiosperm Taxonomy, Medicinal Plants &Ethnomedicine, Reverse Pharmacology, Bioinformatics and Computational Biology



From Dr. Jagruti Barot's Lab

Area of Research

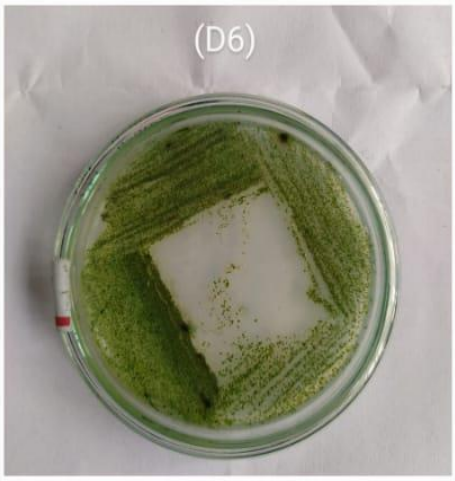
Environmental Toxicology, Bio-degradation, Histopathology, Biochemical Analysis and Cytogenetics

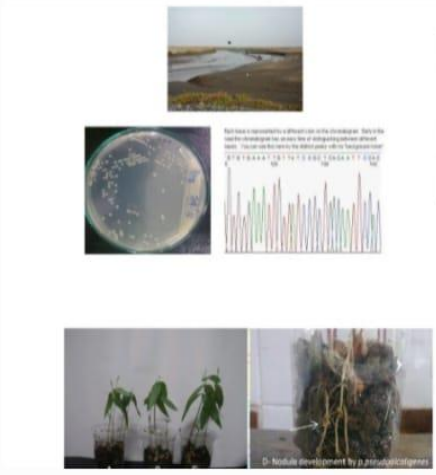


From Dr. Pravin Dudhagara's Lab

Area of Research

Extremophiles, Molecular Biology, Metagenomics and Applied Microbiology





From Dr. Dhara Gamit's Lab

Area of Research

Plant-Microbe Interaction (Agricultural Microbiology)
Environmental Microbiology (Biodegradation and Bioremediation)

University Convocation

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