

## GUBS ACTIVITIES 2019-2020

The Inauguration of Gujarat University Botanical Society was held on Friday, 5<sup>th</sup> July 2019. It marks the beginning of the activities of GUBS. Honourable Vice Chancellor, Gujarat University, Prof. Himanshu Pandya was busy but conveyed his blessings for the GUBS events for the year 2019-20. All faculty members were present along with many invited guests. The programme started with a recap of last year's events in the form of a video show. Dr. Hitesh Solanki as Professor- In-Charge welcomed all and gave a quick overview of GUBS activities. Archana Ma'am coronated the Office Bearers with badges. The incoming new students were also welcomed. The programme ended with Vote of Thanks by Secretary GUBS, Ms. Aanal Maitreya. The Master of Ceremonies was Ms. Kavya Tanna from Climate Change Impacts Management. Everyone enjoyed piping hot Pizza, Chips and soft drinks. The informal introduction followed with creative games and ice breaking session planned for the freshers by the seniors.



Lighting of the Lamp



Formal Welcome



Dignitaries on the dais



TEAM GUBS 2019-2020

The staff and students of the department joined hands in successful organization and coordination of the International Conference on Climate Change **CCIM 2019**. All students presented posters and benefitted from the interactions with a galaxy of eminent experts in the field of Climate Change. The students of the department also won the Young Scientist Awards for their best poster presentations during the conference.

The students of Horticulture Science and garden Management alongwith Dr. Pratiksha Patel, Swati Jaiswal and Milan Vala visited **Madhuvan nursery** located near Chiloda. A Nursery is more like a botanical garden that boasts of being home to a number of varieties of fruit bearing trees, ornamental plants and trees some other different species of plants. It provides for hands on experience of identifying and appreciating the concerns of growing plants. The nursery was well maintained and had lush green plants, abundant flora, and was a delight for all.



The students of Horticulture Science and garden Management alongwith Dr. Pratiksha Patel, Swati Jaiswal and Milan Vala visited **Bal-Taru Nursery & Van-chetna Kendra**. Bal Taru nursery is 3 Km from Chiloda, Near Gandhinagar on NH 8. It is owned by Lemino Agro India Pvt Ltd. Company. Here they Imported 4 seed less lemon plant from Israel which were multiplied by Grafting and Tissue culture. The advantage of these plants is that they take only one year for production after planting.





The students of Horticulture Science and garden Management alongwith Dr. Pratiksha Patel, Swati Jaiswal and Milan Vala visited **Van-chetna kendra**, Sector-30 Gandhinagar. It has a large nursery mainly of trees to be grown in urban forestry.



The students of **Climate Change Impacts Management** visited Department of Earth Science, Geography and Geoinformatics at Gujarat University. Dr. Dhara Rajput and Dr. Nirmal Desai accompanied students and the visit was coordinated by Dr. Shital Shukla, Head- Department of Earth Science, Geography and Geoinformatics at Gujarat University . A very informative lecture was delivered by Mr. Ajoy Das, where in students learnt cartography and ways to interpret maps.



The students of **Climate Change Impacts Management** participated in the Conference on Climate Change at Ahmedabad Management Association, Ahmedabad.

The students of **Climate Change Impacts Management** visited **Gujarat Environment Management Institute (GEMI)**. Gujarat Environment Management Institute (GEMI) is an Autonomous Institute set up under the aegis of Forest and Department, Government of Gujarat vide Government Resolution on 1st February, 1999. The visit was coordinated by Dr. Nitasha Khatri. The students got a chance to observe high end and advanced Lab equipment used for environmental monitoring.



The students of **Climate Change Impacts Management** visited the sophisticated labs at **Gujarat Pollution Control Board (GPCB) Gandhinagar**. Dr. Dhara Rajput and Dr. Nirmal Desai accompanied the students and the visit was coordinated by Mr.



Bharat Prajapati at GPCB. Gujarat Pollution Control Board focusses on the Pollution Control and the protection of the environmental quality, bring about all round improvement in the quality of the environment in the State by effective implementation of the laws and control of pollution at source to the maximum extent possible with due regard to technological achievement and economic viability as well as sensitivity of the receiving environment. This function is being fulfilled through laying down the disposal standards as well as gaseous emission standards, Identifications of sites and development of procedures and methods for the disposal of hazardous wastes. GPCB has several ongoing projects and the students got a bird's eye view of the same as well as and lab instruments in detail.

The students of **Climate Change Impacts Management** with Dr. Dhara Rajput visited the **Meteorological Centre** of Ahmedabad. Here the students were introduced to all weather station instruments, weather predictions and weather forecasting by Scientists, Shri. K. C. Kancha and field staff.



ISRO celebrated the Birth Centenary of Dr. Vikram Sarabhai in the form of a one day seminar at Convention Center, Gujarat University. The students of **Climate Change Impacts Management** with Dr. Dhara Rajput actively participated in the same.

The students of **Climate Change Impacts Management** with Dr. Dhara Rajput visited **Brook and Bloom, Victoria Garden, Ellis Bridge, Ahmedabad**. Students were addressed by Mr. Yash Bhatt about the products which are completely made from solid waste.



The members of GUBS celebrated Garba with the usual fervour and zeal.







GUBS organized an Invited Lecture by Dr. Ray Taylor, Co-founder ALLFED, Oxford UK, on Climate Cataclysms, Global risks foresight studies and futurology research on Thursday, 19<sup>th</sup> December 2019.





GUBS organized an Interactive session with Mr. Prakshal Mehta, Co-founder WAY : WORLD AROUND YOU focusing on their eco friendly activities for sustainable growth and student participation in those activities. The Climate Change Students benefitted from the interaction. Dr. Dhara Rajput, Teaching Associate, Climate Change coordinated the session well.





GUBS organized a workshop on Food and Nutrition on 6<sup>th</sup> September 2019 for all the GUBS members. The VLCC team conducted the session and explained the need to take care of nutrition of all.



### **NGBT-2019**

The M Sc students alongwith Research scholars of Bioinformatics participated in the 9th International Conference 2019 NGBT (Nextgen Genomics, Biology, Bioinformatics and Technologies) Conference conducted by SciGenom Research Foundation (SGRF) annually. The 2019 NGBT conference was held at Taj Lands End Mumbai during 30<sup>th</sup> September-2<sup>nd</sup> October 2019. It was jointly hosted in

collaboration with Toronto Recombinant Antibody Centre (TRAC), Toronto, Canada, Tata Institute of Fundamental Research (TIFR), Mumbai, India, Advanced Centre for Treatment, Research and Education in Cancer (ACTREC), Mumbai, India, Indian Institute of Technology Madras (IITM), Chennai, India, and Maharaja Sayajirao University (MSU), Baroda, India with a primary goal to promote and support Science and Scientific research in India and South Asia. The conference covered the keynote lectures from various eminent speakers in the field of Clinical genomics, Technology development, Gene editing, Immunology, Metagenomics and communicable diseases. 100+ speakers, 750+ Academic/Student/Commercial delegates, 75+ International delegates and 300+ Posters were presented in the conference. The conference provided the latest ongoing research in the field of genomics.

Siddhi Jani, M.Sc. Bioinformatics presented her study as a poster on "In Vitro Fertilization (IVF) - Past and Present" and Naman Mangukia, Ph.D. Scholar presented his study as a poster on "Next Generation Sequencers".





The M Sc Bioinformatics students and research scholars presented posters in Accelerating Biology an yearly event, jointly organized by CDAC(Centre for Development of Advanced Computing, Pune) and IISER(Indian Institute of Science Education and Research, Pune).This year's event was entitled "**Accelerating Biology 2020 : SNIps to SPiNs**" held at IISER, Pune during 4-6 February 2020.The event covered sessions in the field of Genomics and BigData Analytics, NGS Applications in Medicine and Agriculture, Biomolecular Simulations and Dynamics, AI and Deep Learning in Biology, Next Generation Medicine, Application of Exascale & Quantum Computing. Overall event was good and the knowledge about Big data and Artificial intelligence was enhanced.

List of students who presented posters are:

Aanshi Dave : Study of a Less Familiar Disease: Achondroplasia

Harshida Gadhavi : In silico transcriptome wide miRNA identification of Bacopa monnieri : A Cross Kingdom Approach

Mansi Bhavsar : Molecular Cross-talk of Oral Tongue Squamous Cell Carcinoma by integrative Microarray data analysis

Muskan Sanklecha : Pharmacogenomics And Ayurgenomics: A way to Personalised Medicine

Naman Mangukia : SHIVGAMI-Simplifying the titanIc blastx process using aVailable GAttering of coMputational unIts

Nandan Dixit : In silico prediction of hepatotoxicity:A multi-parametric approach

Neha Jha : In silico EST data Analysis of Carica papaya: A Cross Kingdom approach

Rohan Pandey : Monoclonal antibodies: The magic bullets

Shiralee Sakaria : Current Therapeutic Targets and Drugs for Alzheimer's Disease: A Review

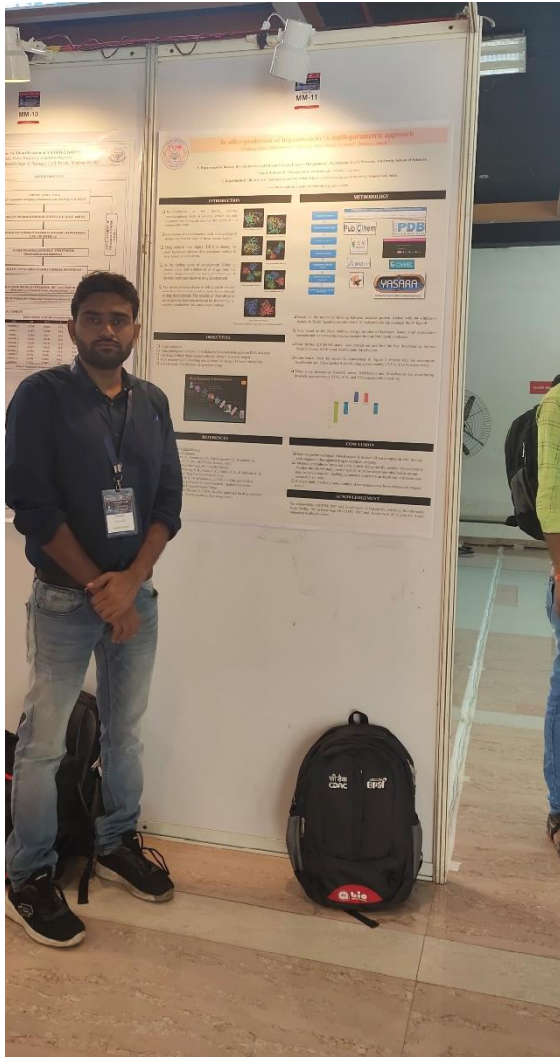
Siddhi Jani : Computational Identification of Novel Epitopes Targeting Glycoprotein of Human Respiratory Syncytial Virus (HRSV)

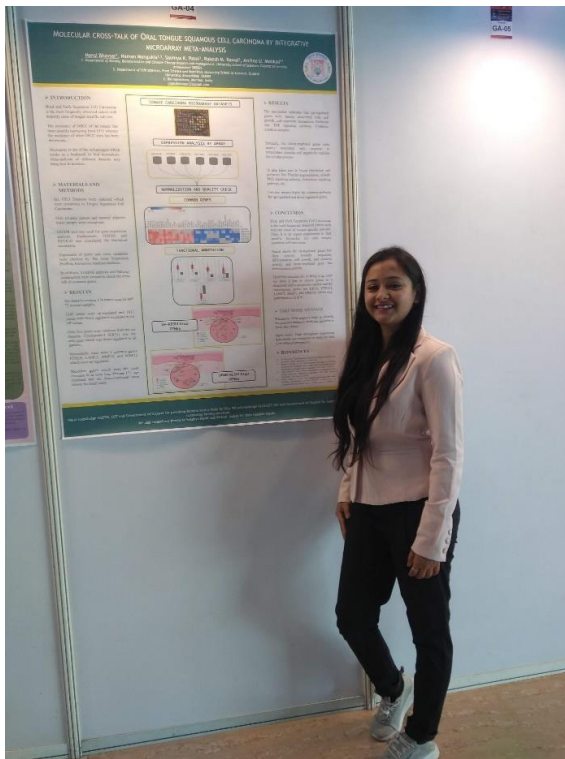
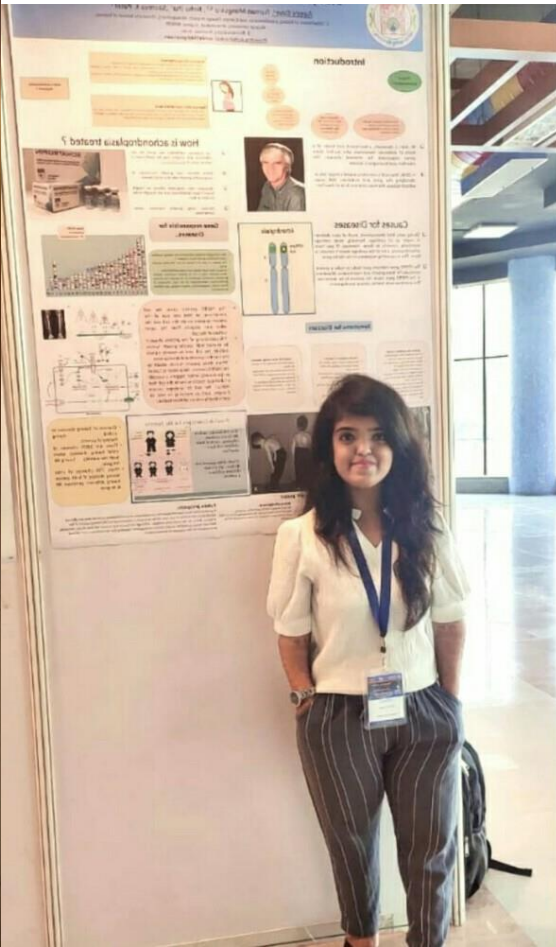
Tithi Trivedi : Targeting Cystic fibrosis transmembrane conductance regulator (CFTR) through structure-based approaches: Analysis of two distinct ligand-binding sites for activators development

Yashrajsinh Jadeja : Computational identification of potential microRNAs in Tea Plant – Camellia sinensis from publicly available EST datasets











The Annual function of GUBS was not organized in a usual manner because of the Pandemic related Lockdown. The GUBS members were nevertheless given prizes and certificates for their performances during the year.

### **GOLDEN PETAL AWARDS 2020**

**GUBS AWARDS called as GOLDEN PETAL AWARDS**, is our novel endeavor to acknowledge, appreciate and bring to limelight the best among the students of the department during the academic year. It is an initiative to generate interest and highlight the significance of wholehearted participation and commitment towards both curricular and co-curricular activities. A very creative memento and a very impressive certificate was specially designed by the creative team of the department. The different categories of GOLDEN PETAL AWARDS are GOLDEN PETAL AWARD FOR ACADEMIC ACHIEVEMENT- for the toppers in internal exams and all those who were awarded fellowships by UGC/CSIR/DST and all those who win prizes in seminars / conferences at GUJARAT UNIVERSITY, GOLDEN PETAL AWARD FOR EXCELLENCE- for the students who proactively and wholeheartedly displayed excellence during various events of the department, GOLDEN PETAL AWARD FOR THE STUDENT OF THE YEAR for someone who is not necessarily the topper but is overall best, GOLDEN PETAL AWARD FOR THE RESEARCHER OF THE YEAR-for the excellent publications, and GOLDEN PETAL AWARD FOR OUTSTANDING ACHIEVEMENT-for all those who have won prizes during oral/poster presentations at seminars/ conferences outside Gujarat University and won prizes in state level competitions organized by other scientific organizations like Science Academy and made us proud as well as all those who have been conferred special appointments / fellowships or passed prestigious examinations.

In addition to this we have GOLDEN PETAL AWARD FOR THE PRIDE OF THE DEPARTMENT for those who have MADE US PROUD BY THEIR ACHIEVEMENTS. The Golden Petal Awards for the year 2019-2020 are :

**GOLDEN PETAL AWARD FOR ACADEMIC ACHIEVEMENT** to SANDHYA VERMA, KRISHNA DESAI, HIRAL CHAUDHARY, CHARVI PANDYA, MIHIR PRAJAPATI, NIRMAL DESAI, DHRUV PANDYA

,KHUSBU RAJPUT, AMEE PATOLIA , SHIVANGI MAURYA, SWATI JAYSWAL, SANJUKTA RAJHANS, PARTH DESAI, DHRUVA JANI, YASHRAJSINH JADEJA, AANSHI DAVE, ANKITA SINGH, JAYENDRA RAJORA, AARKI THAKOR, HELI OZA. **GOLDEN PETAL AWARD FOR EXCELLENCE** IN SINGING to MITHUN BHATT, **GOLDEN PETAL AWARD FOR EXCELLENCE** IN ANCHORING to SHAMBHU VYAS, **GOLDEN PETAL AWARD FOR EXCELLENCE** IN RESEARCH to NAMAN MANGUKIA, **GOLDEN PETAL AWARD FOR EXCELLENCE** IN MENTORING to DR. CHIRAG PATEL and DR. S. PRASANTHKUMAR. **GOLDEN PETAL AWARD FOR STUDENT OF THE YEAR** to KHUSBU RAJPUT. **GOLDEN PETAL AWARD FOR BEST PUBLICATION OF THE YEAR** to HARSHIDA GADHAVI. **GOLDEN PETAL AWARD FOR RESEARCHER OF THE YEAR** to ANCY FERNANDEZ and MILAN VALA . **GOLDEN PETAL AWARD FOR OUTSTANDING ACHIEVEMENT** to NANCY KHUMBHANI, SIDDHI BAGADIA, DIPIKA DALAL, NENSY PATEL, DHRUVISHA MEHTA, AANAL MAITREYA, SIMRAN KABANI, MUSKAN SANKLECHA. **GOLDEN PETAL AWARD FOR PROUD ACCOMPLISHMENT** to Dr. DHARA BHAVSAR, Dr. SAUMYA PATEL ,Dr. NAINESH MODI, Dr. BHARAT MAITREYA and Dr. HITESH SOLANKI. **GOLDEN PETAL AWARD FOR VISIONARY OF THE YEAR** to DR. JAGDISH BHAVSAR. **GOLDEN PETAL AWARD FOR YOUTH ICON OF THE YEAR** to PROF. DR. HIMANSHU PANDYA.

Dr. Archana Mankad

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