ORGANIZING COMMITTE

Chief Patron
Prof. (Dr.) H. A. Pandya
Hon. Vice Chancellor, Gujarat University, hmedabad

Conference Chair
Prof. (Dr.) Rajshree Bhatt
Director, University School of Sciences

Conveners
Prof. (Dr.) MeenuSaraf
Prof. (Dr.) B. V. Patel

Organizing Secretary
Dr.RakeshkumarPanchal

Co-ordinators
Dr. Bhagirath Patel
Dr. Devyani Tipre
Dr.Kiransinh Rajput

Programme Schedule

CSIR, DST - GSBTM Sponsored

NATIONAL CONFERENCE ON

SYNTHETIC BIOLOGY APPROACHES IN DRUG

DISCOVERY AND MICROBIAL BIOTECHNOLOGY

8th and 9th March 2018

Department of Microbiology and Biotechnology, University School of Sciences, Gujarat University, Ahmedabad-380009

Day 1 : 8th March 2018

Registration and Breakfast : 9:00 to 10:00 am	
10:00 to 10:30 - Inauguration by Hon. Vice Chancellor : Prof. (Dr.) H. A. Pandya Blessing by Guest of honour	
Key note address : Prof. Appa Rao Podile Vice Chancellor, University of Hyderabad	Production of chitooligosaccharides-synthetic biology route 10:35 to 11:30 am
Break - 11:30 to 11:40 am	
Technical Lecture : 01 Dr. Ramchand CN Saksin Life Science Pvt. Ltd. and Mag Geome Technologies Pvt. Ltd., Chennai	Discovery and development of novel biologics with special reference to synthetic biology 11:40 to 12:20 pm
Technical Lecture : 02 Shailendra Gaur Principal Scientist, Biopharma Division, Intas Pharmaceuticals	12:20 to 1:00 pm
Luch - 1:00 to 1:45 pm	
Technical Lecture : 03 Prof. A. H. Patel Blood Bank technologist, New York, USA	Blood Bank and Automation 1:45 to 2:25 pm

Technical Lecture by : 04 Dr. P. M. Patel Registrar, Gujarat University, Ahmedabad	2:25 to 3:05 pm
Break - 3:05 to 3:15 pm	
Oral Presentation by Faculty - 3:15 to 4:45 pm **Poster Presentation by research Scholars - 3:15 to 5:15 pm**	
Tea - 4:15 pm	
Tea - 4:15 pm	
Cultural Programme - 6:00 to 7:00 pm	
Dinner - 7:00 pm onwards	
Day 2 : 9th March 2018	
Tea and Breakfast - 9:30 to 10:100 am	
Invited lecture : 05 Mr. Kapil Jhawar Associate CPM Director, IQVIA, Ahmedabad	Future Visions in Drug Discovery 10:00 to 10:40 am
Technical Lecture : 06 Dr. Sumit Patel Assistant Professor, GSC Medical College, Ahmedabad	Information Technology to Facilitate and Enhance Clinical trials 10:40 to 11:20 am
Break - 11:20 to 11:30 am	
Technial Lecture : 07 Dr. Paresh Mistry Head, Quality Assurance, Accutest Research India Pvt. Ltd.	Good Laboratory Practices and CFR part 11 compliance in CLinical Research 11:30 to 12:10 pm
Technial Lecture by : 08 Dr. S Chettiar Research Director, GeneXplore Diagnostic and Research Centre	Integration of genomic biomarkers in drug discovery process and way towards precision medicine 12:10 to 12:50 pm
Luch - 1:00 to 2:00 pm	
Oral Session by Research Fellows - 2:00 to 3:00 pm **Poster Session by Post Graduate Students - 2:00 to 4:00 pm**	
Valedictory Session Followed by Hi Tea	

ABOUT THE DEPARTMENT

Department of Microbiology and Biotechnology stands today as a unique institution in Gujarat, where multidisciplinary and interdisciplinary teaching and research in microbiology and biotechnology have established permanent roots. The M.Sc. and Ph.D. programs essentially provide basic and applied science curricula and specialized skills for profitable employment. The students of this program have not only excelled nationally but also internationally. The uniqueness of the department essentially lies in the fact that within the department s faculty there are experts and active researchers representing almost all areas of modern biology. Professor & Head Meenu Saraf is an academician and researcher working in the field of plant microbe interaction, soil microbiology- PGPR biofuels and bio pesticides. Prof. B. V. Patel, Professor is working in the field of pesticide degradation. Dr. R. R. Panchal, Associate Professor has recently joined the department and specialized in fermentation technology. Dr. D. R. Tipre, Associate Professor is working in the field of Bioleaching and Microbial diversity. The major thrust area of Dr. K. N. Rajput is in extremophiles and enzymology. The department offers M.Sc. Degree in Microbiology with specialization in Environmental Microbiology and M.Sc. degree in Biotechnology. The master s in microbiology Program will address the increasing need for skilled scientific manpower with an understanding of research ethics involving microorganisms to contribute to application, advancement and impartment of knowledge in the field of microbiology and molecular biology globally. Since the inception of the department, students from this department have secured good positions in industries, research labs and academics in the country and abroad. Currently many of the alumni are heading their departments in respective areas. Some of them are very successful entrepreneurs working for the betterment of the society. Laboratories in the department are well equipped with an extensive range of facilities and equipment s commensurate with its broad expertise. The laboratory training in addition to theory is included to prepare them for careers in the industry, agriculture, and applied research where biological systems are increasingly employed. More recently, clinical research programs have been initiated in collaborations with GSBTM and Shivrath group. There are four such programs leading to PGD in Clinical research, Clinical Trial management and Regulatory Affairs.

The department is also having the facility for M.Phil., Ph.D. and Post-doctoral research in various fields of Microbiology and Biotechnology. We have completed many research projects worth more than Rs. 6.0 crores funded by government funding agencies like UGC, DST, DBT, GSBTM, GMDC, PDF fellowships, Women Scientist project schemes as well as private sectors and industries like British petroleum, Pharmaceuticals, Textile, Steel, Agro, etc.

Till date more than 36 students have obtained Ph. D. degree, 90 students have obtained M. Phil degree and more than 1500 students have obtained M. Sc. degree from the department. Department is one of the biggest department in India with having the student intake capacity of 50 students per semester in Microbiology, 20 in Biotechnology and 25 in Clinical Research Programs. Every year various industries are arranging their campus interview for the selection of the students of Microbiology and Biotechnology. The reputation of the departmental research activities has been well recognized hence the department is continuously receiving research grants from various funding agencies.

MICROBIOLOGY AND BIOTECHNOLOGY STUDENTS SOCIETY:

MIBIT

It gives us an immense pleasure to announce the inauguration of the **MIBIT** Society. The main aim of the MIBIT Society is to provide a space for students to go beyond classroom and have the benefit of co and extracurricular activities. This is an activity based society for budding microbiologists and biotechnologists. As a general rule, to achieve success in life one has to get a proper environment for nurturing. The monthly meetings which will be organized shall have career panels, opportunities to interact with the experts, guest tutorials, quizzes and debates, industrial and environmental tours and encourage group activities etc.

MISSION

To empower all the student to achieve all round development through academic excellence, mental and spiritual health and social consciousness. It endeavors to treat every student as an individual to, recognize their potential and to ensure that they receive the best preparation and training for achieving their career ambitions and life goals. The great end of education is to discipline rather than to furnish the mind only.

Microbial biotechnology is riding the crest of the wave of genomics and proteomics. The umbrella of microbial biotechnology covers many scientific activities, ranging from the production of recombinant human hormones to that of microbial insecticides, from the fermentation to GM crops. The logo is designed keeping this approach in the forefront. It is widely believed that, there is always a scope for improvement in every aspect of the world and its functions. The principles, concepts and methodologies can be further improved. This calls for the young minds to come up with better ideas.

At its core, every discovery, research and development is driven by imagination. It provides us with an opportunity to endless combinations and exchange of ideas and information.

The **office bearers** of the society will elected for every academic year.

1. Patron: Head of the Dept.
2. Teacher in-charge: Faculty
3. President: Ph.D. Scholar
4. Vice-President: Ph.D. Scholar
5. Secretary: M.Sc. Semester-III student each from Microbiology and Biotechnology
6. Joint-Secretary: M.Sc. Semester-I student each from Microbiology and Biotechnology
7.

The logo design of MIBIT conveys the complementation of the two disciplines, Microbiology and Biotechnology that have distinctively made immense contribution in field of life sciences. The fundamental concepts of microbiology and biotechnology complement each other. The development of a conventional bioprocess technology is summarized in the design. From the commencement of the process through- the laboratory level microscopic studies, characterization and optimization of the microorganism to the industrial-scale production of the desired compound.

A recombinant DNA that encircles the logo of MIBIT strongly resonate the need to improvise and evolve newer techniques, methods. The conglomeration of Microbiology and Biotechnology would be an ideal one owing to the conceptual and applicability of the respective fields. Hence, the two fields converge into one other, thus leading to the various advancements in science in totality.

"*Imagination is more important than knowledge. Knowledge is limited, imagination encircles theworld.*" –**Albert Einstein**

"*Genius is 2% of inspiration and 98% of perspiration.*" – **Thomas Edison**

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