

# PROGRAMMATIC REPORT



**SANKALCHAND PATEL  
UNIVERSITY**

॥ अध्यात्ते ज्ञानजिज्ञासा ॥

## National Conference on MICROBIOLOGY IN SERVICES OF MANKIND 4<sup>th</sup> September 2019

Sponsored by  
**GSBTM, DST, Govt. of Gujarat**



Organized by  
Department of Microbiology  
Faculty of Science & Humanities  
Smt. S. S. Patel Nootan Science  
& Commerce College



Venue  
**Sankalchand Patel Vidyadham**  
Ambaji-Gandhinagar State Highway,  
Visnagar-384315.  
Dist: Mehsana, Gujarat

[www.spu.ac.in](http://www.spu.ac.in)

Prepared By  
**Dr. Nikunj B. Patel**  
Department of Microbiology  
Faculty of Science & Humanities

**Chief Patron** : **Shri Prakash Patel**  
President, SPU

**Patron** : **Pro. (Dr.) V. K. Srivastava**  
Provost (Vice Chancellor), SPU

**Chief Guest** : **Dr. Chaitanya G. Joshi**  
Director, GBRC, Gandhinagar

**Convener** : **Dr. Rajesh M. Patel**  
Principal

**Organizing Secretary** : **Dr. Nikunj B. Patel**  
Assistant Prof., Department of Microbiology

### **DISTINGUISHED SPEAKERS**

**Dr. Chaitanya G. Joshi:** Director, Gujarat Biotechnology Research Centre, Department of Science and Technology, GoG, Gandhinagar

**Dr. Pooransingh Solanki:** Scientist, Birla Institute of Scientific Research, Jaipur, Rajasthan

**Dr. Vikrant Nain:** Gautam Buddha University, Greater Noida, Gautam Budh Nagar, UP

### **NATIONAL ADVISORY COMMITTEE**

**Dr. Chirag D. Patel,** Dean, FSH, Sankalchand Patel University, Visnagar

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**Dr. Vinod Kumar Nigam,** Birla Institute of Technology, Mesra, Ranchi

**Dr. Ramesh Kothari,** Saurashtra University, Rajkot, Gujarat

**Dr. Sat Pal Singh Bisht,** Kumaun University, Nainital, Uttarakhand, India

**Dr. Rakesh Patel,** R. G. Shah Science College, Gujarat University, Ahmedabad, Gujarat

**Dr. Mehul P. Dave,** BKNM University, Junagadh, Gujarat

**Dr. K. C. Deshmukh,** Arts & Science College, Kalol, Gujarat

**Dr. Pradeep Kumar Dabla,** G. B. Pant Institute of Postgraduate Medical Education & Research, Delhi

### **COMMITTEES: THE COMMUNITY**

Mr. Alpesh Patel (Dept. of Microbiology)

Ms. Ankita Adesara (Dept. of Microbiology)

Mr. Haresh Kalasariya (Dept. of Microbiology)

Ms. Nikita Prajapati (Dept. of Microbiology)

Mr. Virendra Yadav (Dept. of Microbiology)

Ms. Sujal Sukhadiya (Dept. of Microbiology)

Dr. Alpesh Patel (Dept. of Chemistry)

Ms. Parmisha Patel (Dept. of Microbiology)

Dr. Manish Patel (Dept. of Chemistry)

### **SUPPORTING STAFF**

Mr. Yatin Patel

Mr. Atul Prajapati

Mr. Vishal Chaudhary

Mr. Vikram Bhil

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## ABOUT SANKALCHAND PATEL UNIVERSITY



Sankalchand Patel University has been established as a statutory University under the Gujarat Private University Act in 2016. The University is founded by “Nootan Sarva Vidyalaya Kelavani Mandal (NSVKM), a charitable Trust on the vision of Shri Sankalchand Patel, a freedom fighter and social activist. The University is one of the fastest growing University in Gujarat creating its own space under the guidance Shri Prakash Patel, President of the university. It has been ranked among top 20 Universities of Gujarat by Gujarat State Institutional Ranking Framework (GSIRF)-2019. Sankalchand Patel University has signed an MOU with Kansas State University, Manhattan, USA. SPU offers a wide range of courses related to Medical, Paramedical and Technical courses like MBBS, Dental Science, Engineering, Management Studies, Computer Science, Science & Humanities, Commerce, Fashion Designing & Management, Pharmacy, Physiotherapy and Nursing. State Govt. recognized SSIP cell and Gujarat Govt. is funded one crore for SSIP cell.

### **Vision:**

“To become world Class University through philanthropic practices”

### **Mission:**

“We serve society to develop and prosper by building human capital”

## ABOUT SMT. S. S. PATEL NOOTAN SCIENCE & COMMERCE COLLEGE

Smt. S. S. Patel Nootan Science & Commerce College was established in June-2001 with the novel aim of imparting the students’ knowledge in the emerging era of science. Currently under the aegis of Faculty of Science at Sankalchand Patel University, it offers the most updated and industry oriented curriculum for better employment. The institute is currently running B.Sc., B. Com, M.Sc., M. Com and Ph.D. courses. The college is one of the leading college in Science and Commerce education in North Gujarat region.

## BACKGROUND

The Department of Microbiology, Faculty of Science & Humanities, Smt. S. S. Patel Nootan Science & Commerce College, Sankalchand Patel University (SPU) had organized National Conference on “Microbiology in Services of Mankind” on 4th September 2019. The honorable president of SPU Shri Prakash Patel and honorable Vice Chancellor Prof. (Dr.) V. K. Srivastava had inaugurated the conference in presence of invited speakers, research scholars, industrialists, PG and UG students. The conference was attended by 289 participants from 19 different institutions/universities. Followed by inauguration, the keynote address was delivered by Dr. Chaitanya G. Joshi, Director, Gujarat Biotechnology Research Centre, Department of Science and Technology, GoG, Gandhinagar. Dr. Chaitanya G. Joshi address Role of Metagenomics in Diagnosis of Disease Outbreaks. Invited lecture was address by Dr. PooranSingh Solanki, Senior Scientist, Birla Institute of Scientific Research, Statue circle, Jaipur. Bioinformatics - Alignment and Modeling has been interacted by Dr. PooranSingh Solanki. Genome Editing: Prospects and Concerns in Improvement of Biological Systems was very well explained in conference by Dr. Vikrant Nain, Professor, Gautam Buddha University, Greater Noida, Gautam Budh Nagar, UP.

The panel discussion was chaired by Dr. Chaitanya G. Joshi on “Pros and Cons of Antibiotics” has been discussed with the invited speaker Dr. Pooransingh Solanki, Dr. Vikrant Nain, Dr. Hardik P. Modi (MD Medicine, Nootan Medical College). Post lunch programme was the 39 poster presentation of participated research scholars and students of Microbiology area. In the conclusion of conference, the valedictory function and prize distribution has been done. In poster presentation three winners has been selected by the designated referee.

The overall feedback from the participant has been evaluated by feedback form and the responses are very positive from all the participants. Invited speakers, Faculty members, Research scholars and students from various colleges have appreciated the effort made by the conference team for the logistic and programmatic arrangement.

## NATIONAL CONFERENCE CALENDER

4 <sup>th</sup> September 2019				
Time	Programme		Name of Topic	Venue
8.30 to 9.30 am	<b>Registration and Breakfast</b>			Ground Floor, Narsinhbhai Patel Dental College & Hospital, Sankalchand Patel University, Visnagar
9.30 to 10.30 am	<b>Inaugural function</b> (Shri Prakash Patel, Prof. (Dr.) V. K. Srivastava, Dr. Chaitanya G. Joshi, Dr. Rajesh M. Patel, Dr. Nikunj B. Patel)			2 <sup>nd</sup> floor, Auditorium, Narsinhbhai Patel Dental College & Hospital, SPU
<b>Technical Session</b>				
10.30 to 11.15 am	<b>Keynote Address</b>	<b>Dr. Chaitanya G. Joshi</b> Director, GBRC, Department of Science and Technology, GoG, Gandhinagar	Role of Metagenomics in Diagnosis of Disease Outbreaks	2 <sup>nd</sup> floor, Auditorium, Narsinhbhai Patel Dental College & Hospital, SPU 2 <sup>nd</sup> floor, Auditorium, Narsinhbhai Patel Dental College & Hospital, SPU
11.15 to 12.00 am	Panel Discussion <b>“Pros and Cons of Antibiotics”</b> Dr. C. G. Joshi, Dr. Pooransingh Solanki, Dr. Vikrant Nain, Dr. Hardik P. Modi (MD Medicine, Nootan Medical College)			
12.00 to 12.45 pm	<b>Invited Lecture 01</b>	<b>Dr. PooranSingh Solanki</b> Senior Scientist, Birla Institute of Scientific Research, Statue circle, Jaipur	Bioinformatics - Alignment and Modeling	
12.45 to 1:30 pm	<b>Invited Lecture 02</b>	<b>Dr. Vikrant Nain</b> Professor, Gautam Buddha University, Greater Noida, Gautam Budh Nagar, UP	Genome Editing: Prospects and Concerns in Improvement of Biological Systems	
1.30 to 2.30 pm	<b>Group Photo and Green Lunch</b>			
2.30 to 3.30 pm	<b>Poster Session</b>			2 <sup>nd</sup> floor, Poster Wing, Narsinhbhai Patel Dental College & Hospital, SPU
3.30 to 4.00 pm	<b>Valedictory Function and Prize Distribution</b>			2 <sup>nd</sup> floor, Auditorium, Narsinhbhai Patel Dental College & Hospital, SPU





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Shri. Prakash Patel (President, SPU)

**Patron**  
Prof. (Dr.) V. K. Srivastava (Provost, SPU)

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Dr. Subheshi Soni (Mission Director, GSBTM)

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(Assistant Professor, Department of Microbiology)

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Mr. Harsh Kalasaniya Ms. Nikita Prajapati  
Mr. Virendra Yadav Ms. Sujal Sukhadriya  
Ms. Parmisha Patel

**Distinguished Speakers**  
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Department of Science and Technology, GoG, Gandhinagar  
Dr. Pooransingh Solanki, Scientist, Birla Institute of Scientific Research, Jaipur, Rajasthan  
Dr. Vikrant Nain, Gautam Buddha University, Greater Noida, Gautam Buddha Nagar, UP

**National Advisory Committee**  
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Dr. Vinod Kumar Migam, Birla Institute of Technology, Mesra, Ranchi  
Dr. Ramesh Kothari, Saurashtra University, Rajkot, Gujarat  
Dr. Sat Pal Singh Bisht, Kurmaur University, Nainital, Uttarakhand, India  
Dr. Rakesh Patel, R. G. Shah Science College, Gujarat University, Ahmedabad  
Dr. Mehul P. Dave, BKNM University, Junagadh, Gujarat  
Dr. K. C. Deshmukh, Arts & Science College, Kalol, Gujarat  
Dr. Pradeep Kumar Dabla, G. B. Pant Institute of Postgraduate  
Medical Education & Research, Delhi



**SANKAT CHAND PATEL UNIVERSITY**  
11 Sector, Gandhinagar, 38

**National Conference on**  
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**Department of Science & Technology**  
Government of Gujarat

**DSI**  
Department of Science & Technology  
Government of India

**GSBTM**  
Gujarat State Biotechnology Mission  
Government of Gujarat



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### About College

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### About Conference

Microbiology is a branch of science related discipline that deals with the structure and function of microbes and their use and application of microorganisms for human benefit. "Microbiology in services of Mankind" aims to bring together leading academic scientists, researchers and research scholars to exchange and share their experiences and research results on all aspects of Microbes, Beneficial Microbes. It also provides a premier interdisciplinary platform for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of Biology. "Microbiology in services of Mankind" will comprise informative and exciting conference program including keynote speakers, session speakers and poster presenters who will be presenting and sharing their knowledge on the topics related to Microbiology.

### How to reach Sankalchand Patel University

By Air: Sardar Vallabhbhai Patel International Airport, Ahmedabad is the nearest airport. It is about 78 km Vienagar.  
By Rail: The nearest railway station is Mahesana and Unjha about 28 km from the Vienagar.  
By Road: The accessibility of State road transport is available from all nearby cities.

### Important Dates

Abstract Submission Close: August 24, 2019  
Last date for Registration: August 28, 2019

### Programme Schedule

Time	Programme
8.30 to 9.30 am	Registration and Breakfast
9.30 to 10.30 am	Inaugural function
10.30 to 12.45 am	Technical session
12.45 to 1.30 pm	Panel Discussion "Pros and Cons of Antibiotics"
1.30 to 2.30 pm	Group photo and Green Lunch
2.30 to 3.30 pm	Poster Presentation Session
3.30 to 4.00 pm	Validatory Function and Best poster award distribution
4.15 to 5.00 pm	High Tea

### Registration Fees\*:

Industrialist: Rs. 600/- @ Research Scholar/Faculty: Rs. 350/- @ Students: Rs. 250/-  
\*Spool/Post-deadline registration in any category will be charged Rs. 250/- extra.

### Registration Link:

<https://forms.gle/MG4GAgfyUJb5mqmX6>

\*No TA/DA will be provided to any participants.

### Mode of Presentation

Poster Presentation: 120 cm x 90cm size.

### Guideline for abstract preparation

Abstract must be submitted in Microsoft Word with complete names and affiliation of all authors, including contact details of corresponding author (Mobile and E-mail Address). The abstract title must be BOLD ALL CAPITAL LETTERS, 1.5-spaced in 12-Point Times New Roman Font. Indicate each author's affiliation with a superscript numeral following the surname. Abstract should be 200-250 words.  
\*The abstract should be sent to [bdng2118@gmail.com](mailto:bdng2118@gmail.com)



## PARTICIPANTS

The conference was attended by 289 participants from 19 different institutions/universities as shown in **Table 1**.

**Table 1: A List of institutes from where the participants came in the conference**

Sr. No.	Institutes	Universities	No. of Participants
1	B. J. Medical Institute, Amhedabad	Gujarat University, Ahmedabad	1
2	Department of Biotechnology, Surat	Veer Narmad South Gujarat University, Surat	6
3	Dr. Indu Dayal Meshri College of Science and Technology, Patan	Hemchandracharya North Gujarat University, Patan	8
4	G. V. Vaghela Science College, Deodar	Hemchandracharya North Gujarat University, Patan	4
5	Indian Institute of Advance Research, Gandhinagar	Indian Institute of Advance Research, Gandhinagar	1
6	Maktabah Jafariya College of Science and Technology, Sedrana	Hemchandracharya North Gujarat University, Patan	8
7	P. D. Patel Institute of Applied Science, Charusat University	Charusat University	2
8	R. R. Mehta College of Science, Palanpur	Hemchandracharya North Gujarat University, Patan	8
9	Smt. S. M. Panchal Science College, Talod	Hemchandracharya North Gujarat University, Patan	1
10	Smt. S. S. Patel Nootan Science & Commarce Collage, Visnagar	Sankalchand Patel University, Visnagar	228
11	Uka Tarsadia University, Bardoli	Uka Tarsadia University, Bardoli	1
12	Zydus Wellness Ltd, Ahmedabad	Industry	2
13	Mikasa Cosmetic, Ahmedabad	Industry	1
14	Central University of Gujarat, Gandhinagar	Central University of Gujarat, Gandhinagar	1
15	College of Basic Science and Humanities, Dantiwada	Sardarkrushinagar Dantiwada Agricultural University, Sardarkrushinagar	1
16	Department of Life Sciences, Patan	Hemchandracharya North Gujarat University, Patan	4
17	Muis,Ganpat University, Kherva	Ganpat University, Kherva	9
18	Gujarat University, Ahmedabad	Gujarat University, Ahmedabad	2
19	Shrimad Rajchandra Vidhyapeeth, Dharampur	Shrimad Rajchandra Vidhyapeeth, Dharampur	1
<b>Total</b>			<b>289</b>

## FEEDBACK FROM THE PARTICIPANTS

At the end of conference, feedback forms were distributed to the participants to get their feedback of the Pre conference registration, information, publicity, Schedule and to get views on how to improve conference in future. Overall, the participants were positive in their feedback and considered the conference to have met its objectives. Detailed results of the participant's evaluation are presented in Table 2.

**Table 2. Results of conference evaluation**

① Excellent ② Very Good ③ Good ④ Average ⑤ Not acceptable

Sr. No.	Description	
1	Pre conference registration	The scale ranged from 1 to 5 Scale of 1 =59% participants Scale of 2 = 15% participants Scale of 3 =13% participants Scale of 4= 6% participants Scale of 5= 6% participants
2	Pre-conference information and publicity	The scale ranged from 1 to 5 Scale of 1 = 42% participants Scale of 2 = 29% participants Scale of 3 =20% participants Scale of 4= 7% participants Scale of 5= 2% participants
3	On site conference registration	The scale ranged from 1 to 5 Scale of 1 = 41% participants Scale of 2 = 30% participants Scale of 3 =15% participants Scale of 4= 10% participants Scale of 5= 4% participants
4	Appropriateness for Dates and schedule of the conference	The scale ranged from 1 to 5 Scale of 1 = 43% participants Scale of 2 = 36% participants Scale of 3 =11% participants Scale of 4= 6% participants Scale of 5= 4% participants
5	Quality of material circulated by the organizers	The scale ranged from 1 to 5 Scale of 1 = 44% participants Scale of 2 = 25% participants Scale of 3 =21% participants Scale of 4= 6% participants Scale of 5= 4% participants

6	On-site services	The scale ranged from 1 to 5 Scale of 1 = 44% participants Scale of 2 = 27% participants Scale of 3 = 22% participants Scale of 4 = 4% participants Scale of 5 = 3% participants
7	Venue Services	The scale ranged from 1 to 5 Scale of 1 = 47% participants Scale of 2 = 30% participants Scale of 3 = 15% participants Scale of 4 = 5% participants Scale of 5 = 3% participants
8	Venue Signage	The scale ranged from 1 to 5 Scale of 1 = 45% participants Scale of 2 = 30% participants Scale of 3 = 20% participants Scale of 4 = 3% participants Scale of 5 = 2% participants
9	Conference programme & information desk	The scale ranged from 1 to 5 Scale of 1 = 47% participants Scale of 2 = 28% participants Scale of 3 = 17% participants Scale of 4 = 7% participants Scale of 5 = 1% participants
10	Catering at the conference	The scale ranged from 1 to 5 Scale of 1 = 50% participants Scale of 2 = 30% participants Scale of 3 = 14% participants Scale of 4 = 4% participants Scale of 5 = 2% participants
11	Relevance of conference content	The scale ranged from 1 to 5 Scale of 1 = 49% participants Scale of 2 = 28% participants Scale of 3 = 16% participants Scale of 4 = 5% participants Scale of 5 = 2% participants
12	Quality of presentations	The scale ranged from 1 to 5 Scale of 1 = 43% participants Scale of 2 = 26% participants Scale of 3 = 21% participants Scale of 4 = 8% participants Scale of 5 = 2% participants
13	How much the conference would be beneficial for you?	The scale ranged from 1 to 5 Scale of 1 = 44% participants Scale of 2 = 30% participants

		Scale of 3 =20% participants Scale of 4= 5% participants Scale of 5= 1% participants
14	Overall Satisfaction with this conference	The scale ranged from 1 to 5 Scale of 1 = 43% participants Scale of 2 = 23% participants Scale of 3 =20% participants Scale of 4= 11% participants Scale of 5= 2% participants
15	Please specify the main reason for attending this conference Content	The scale ranged from Networking = 15% participants Personal growth & development = 59% participants Speakers =6% participants Research presentation = 13% participants Others = 6% participants
16	How did you know about the conference?	The scale ranged from Social media = 24% participants Friend/Colleague=42% participants Invitation =2% participants College /University = 30% participants
17	Any other suggestion for future programme	
18	Are you interested in future activity of Faculty of Science & Humanities, Sankalchand Patel University?	The scale ranged from Yes=99% participants No=1% participants



## PHOTOGRAPHS



**Inauguration function**



**Participants**



**Dr. Chaitanya G. Joshi: Invited Speaker to delivered lecture on Role of Metagenomics in Diagnosis of Disease Outbreaks**



**Dr. PooranSingh Solanki: Invited Speaker to delivered lecture on Bioinformatics - Alignment and Modeling**



**Dr. Vikrant Nain: Invited Speaker to delivered lecture on  
Genome Editing: Prospects and Concerns in Improvement of Biological Systems**



**Panel Discussion “Pros and Cons of Antibiotics”**





**Poster Presentation Session by Participants**



**Group Photo**



Smt. S. S. Patel Nootan Science & Commerce College, Visnagar



## FACULTY OF SCIENCE

### **B.Sc.**

Specializations:-

B.Sc. Biotechnology    B.Sc. Microbiology  
B.Sc. Chemistry        B.Sc. Mathematics  
B.Sc. Physics

### **M.Sc.**

Specializations:-

M.Sc. Biotechnology    M.Sc. Microbiology  
M.Sc. Chemistry        M.Sc. Mathematics

## FACULTY OF COMMERCE

### **B.Com**

### **M.Com**

Smt. S. S. Patel Nootan Science and Commerce College, Visnagar  
(English Medium)