

# Shri Alpesh N. Patel PG Institute of Science & Research, Anand. Staff Achievements || 2018-19

## Dr. Jatin D. Patel

- Mr. Priteshkumar Mukshbhai Thakor has been registered a Ph.D. student in S.P.University with registration no. 181069 under guidance of Dr. Jatin D. Patel & co-guidance of Dr. R.J.Patel on 19/10/2018.
- Published a book entitled **“Synthesis, Characterization and Microbial activity of Metal Chelates”** with ISBN No – 978-613-9-82019-1 in Lap Lambert Academic Publishing, European Union in the month of November 2018.
- Acted as a Judge in poster presentation competition at GUJCOST sponsored National conference **“Medicinal Chemistry at the Interface of 21<sup>st</sup> century an Indian perspective”** held at V.P. & R.P.T.P science college, Vallabh Vidyanagar on 28<sup>th</sup> January, 2019.
- Served as Convener of **“Gujarat Science Academy Science Meet-2019”** organized by GSA-VVN Chapter, in collaboration with Shri Alpesh N. Patel P. G. Institute of Science and Research, Anand & C. C. Patel Community Science Center (S. P. University) held on 6<sup>th</sup> January, 2019, at Shri Alpesh N. Patel P. G. Institute of Science and Research, Anand.
- Published Research Paper entitled **“One-factor-at-a-time (OFAT) optimization of  $\beta$ -galactosidase production from *Aspegillusflavus* gr. NFCCI-2728 in sugmerged fermentation”** authored by Dr. Jatin Patel, Dr.Gopal Raol and Dr. Nirav Bhavsar in Journal of Harmonized Research in Applied Sciences, Society of Harmonized Research, Bilaspur (C. G.) ISSN No. 2321-7456 UGC list No. 64113.
- Published Research Paper entitled **“The genetic analysis of zinc transporter (ZnT) gene polymorphism and its association with risk of preterm birth”** authored by Patel Jatin, Patel Hitesh, Patel Nayana, Kunjadia Prashant, Dave Gaurav, Mangrola Amitsinh, in Journal of Pharmaceutical, Chemical and Biological Sciences, 2018, 6(4), 201-209.

- Dr. Viral Surati, **Dr. Jatin D. Patel**, Dr. Gopal Raol, Dr. Nirav Bhavsar, Mr. Yogesh Gopani, Ms. Ishita Joshi, Mr. Rupesh Jha, Ms. Hiral Patel and Dr. Yati Vaidya have communicated and accepted (30<sup>th</sup> October, 2018) the review on “An Antimicrobial Green Nanoparticle Synthesis: A Novel Approach in Therapeutics Field” in the International Journal of Pharmacy and Biological Sciences (Electronic: ISSN 2230-7605, Print: ISSN 2321-3272) UGC list no.46322.
- Bhakti Hirani, Krupal Paatel, **Jatin Patel**, Gopalkumar Raol, Nirav Bhavsar, Yogesh Gopani, Ishita Joshi, Rupesh Jha, Anju Kunjadia, Yati Vaidya, Viral Surati have presented poster entitled “Evaluation of the antimicrobial activity of Crude Herbal Extract of Azadirachta Indica and Ocimum Sanctum” in National seminar on “Recent inclinations in Microbiology and Biotechnology” organized by Parul Institute of Applied Science and Research, Parul University on 24th December 2018.
- Vishakha Raval, **Jatin Patel**, Gopalkumar Raol, Nirav Bhavsar, Viral Surati Yogesh Gopani, Ishita Joshi, Rupesh Jha, Anju Kunjadia, Yati Vaidya have presented poster entitled “Partial purification of a Bacteriocin Produced by Probiotic bacteria from breast milk” in National seminar on “Recent inclinations in Microbiology and Biotechnology” organized by Parul Institute of Applied Science and Research, Parul University on 24th December 2018 (Received Best Poster).
- Seema Malaviya, **Jatin Patel**, Gopalkumar Raol, Nirav Bhavsar, Viral Surati Yogesh Gopani, Ishita Joshi, Rupesh Jha, Anju Kunjadia, Yati Vaidya have presented poster entitled “To screen probiotic bacteria from healthy human milk” in National seminar on “Recent inclinations in Microbiology and Biotechnology” organized by Parul Institute of Applied Science and Research, Parul University on 24th December 2018.

### **Dr. Rajesh J. Patel**

- Mr. Priteshkumar Mukshbhai Thakor has been registered a Ph.D. student in S.P.University with registration no. 181069 under guidance of Dr. Jatin D. Patel & co-guidance of Dr. R.J.Patel on 19/10/2018.
- Published a book entitled “**Acrylate co-polymers of vanillin**”

**methacrylate**” with ISBN No – 978-613-9-93502-4 in Lap Lambert Academic Publishing, European Union in the month of November 2018.

- Attended **“41<sup>st</sup> Orientation Programme”** from 12/11/18 to 09/12/18 and secured ‘A’ Grade which was held at UGC-HRDC, Sardar Patel University, Vallabh Vidyanagar.
- Attended **“Gujarat Science Academy Science Meet-2019”** and acted as a judge for oral and poster competitions on 6<sup>th</sup> January, 2019 held at Shri Alpesh N. Patel PG Institute of Science and Research, Anand.
- Attended a one day workshop on **“Preparation of NAAC Assessment and Accrediation for Non-Accrediation Colleges/Institutions”** on 20<sup>th</sup> February 2019 at Sardar Patel University, V.V.Nagar

### **Dr. Vishant C. Patel**

- Attended One day seminar on **“The role of IQAC in Institutional development, quality Sustenance and empowerment”** on 3<sup>rd</sup> December 2018 at ARIBAS, New Vallabh Vidyanagar.
- Attended workshop on **“All India survey on higher education 2018-2019”** on 11<sup>th</sup> January 2019 at Sardar Patel University.

### **Dr. Darshan S. Patel**

- Actively coordinated in Inter college youth festival, which was held from 3<sup>rd</sup> to 5<sup>th</sup> October 2018 at Sardar Patel University.

### **Dr. Jemin R. Avalani**

- Published Research Paper entitled **“Oxidative cyanide-free cyanation on arylboronic acid derivatives using aryl/heteroarylthiocyanate using novel IL-PdCl<sub>4</sub> catalyst under mild condition”**, in Journal of Sulfur Chemistry, Volume 39, 2018, 5, Pages 507-515.
- Presented a paper at GUJCOST sponsored National conference **“Medicinal Chemistry at the Interface of 21<sup>st</sup> century - An Indian perspective”** held at V.P. & R.P.T.P science college, Vallabh Vidyanagar on 28<sup>th</sup> January, 2019.

### **Dr. Zarana R. Patel**

- Published a book entitled **“Acrylate co-polymers of vanillin methacrylate”** with ISBN No – 978-613-9-93502-4 in Lap Lambert Academic Publishing, European Union in the month of November 2018.

### **Dr. Vishal B. Purohit**

- Published book entitled **“A lecture series on Heterocyclic Chemistry”** with ISBN No. - 978-613-9-88076-8 in Lap Lambert Academic Publishing, European Union in the month of August 2018.
- Presented poster entitled **“Solvent free microwave assisted rapid synthesis of 4-methylcoumarins using silica functionalized -SO<sub>3</sub>H as an effective heterogeneous catalyst”** in National seminar on Applied polymer science and technology at Department of Chemistry, S. P. U., V. V. Nagar from 24<sup>th</sup>-25<sup>th</sup> January, 2019.

### **Dr. Ankitkumar J. Patel**

- Completed Ph. D. in Chemistry with Thesis entitled **“Synthesis and Characterization of new biologically active compounds bearing Quinoline Scaffold”** under observation of Dr. M. P. Patel in August 2018.

### **Priyalben A. Soni**

- Cleared SLET examination held on 30<sup>th</sup> September, 2018.

### **Dr. Gopalkumar G. Raol**

- **Dr. Gopal Raol** served as an organizing secretary and successfully organized a “Science Meet-2019” in association with Gujarat Science Academy, V. V. Nagar chapter and C. C. Patel Community Science Center, V. V. Nagar on 6<sup>th</sup> January, 2019.
- **Dr. Gopal Raol** and M. Sc. final year student Ms. Soumya Yadav received a research grant of one lakh rupees to carry out a minor research project on “Isolation and characterization Single Cell Protein (Phenylalanine) producing Microorganisms from soil sample and production and purification of it using cost effective Technology” from

SRISTI, Ahmedabad

- Invited as resource person in GSBTM sponsored 6 days TY CBC crash course under N-BT-CBC in collaboration with Mehsana Urban Institute of Sciences, Ganpat University, Mehsana, and delivered a lecture on **“Enzyme Regulations & Kinetics”** on 18<sup>th</sup> December 2018.
- Dr. J.D. Patel, **Dr. Gopal Raol** and Dr. Nirav Bhavsar published a research paper “One-factor-at-a-time (OFAT) optimization of  $\beta$ -galactosidase production from *Aspergillus flavus* gr. NFCCI-2728 in submerged fermentation” in *Journal of Harmonized Research in Applied Sciences*, Society of Harmonized Research, Bilaspur (C.G.) ISSN No. 2321-7456) UGC list no.64113.
- Dr. Viral Surati, Dr. Jatin D. Patel, **Dr. Gopal Raol**, Dr. Nirav Bhavsar, Mr. Yogesh Gopani, Ms. Ishita Joshi, Mr. Rupesh Jha, Ms. Hiral Patel and Dr. Yati Vaidya have communicated and accepted (30<sup>th</sup> October, 2018) the review on “An Antimicrobial Green Nanoparticle Synthesis: A Novel Approach in Therapeutics Field” in the *International Journal of Pharmacy and Biological Sciences* (Electronic: ISSN 2230-7605, Print: ISSN 2321-3272) UGC list no.46322.
- Attended **“41<sup>st</sup> Orientation Programme”** from 12/11/18 to 09/12/18 and secured ‘A’ Grade which was held at UGC-HRDC, Sardar Patel University, Vallabh Vidyanagar.
- **Dr. Gopal Raol** has successfully participated in one day workshop on “NAAC Preparation: The Road Ahead” organized by IQAC, Sardar Patel University, V.V. Nagar on 31<sup>st</sup> August 2018.
- **Dr. Gopal Raol** has attended the Late Dr. Diwaker R. Patel 10<sup>th</sup> Memorial Lecture on “Changing agricultural scenario: from green revolution to gene revolution” by Dr. T. M. Manjunath, Professor, Consultant in Agri-biotechnology and IPM, Director (Retd), Monsanto Research Centre, Bengaluru, at B. A. College of Agriculture, Anand Agricultural University, Anand, 10<sup>th</sup> September, 2018.
- **Dr. Gopal Raol** has attended One Day State Level Workshop on “Assembly and Use of Foldscope” at Department of Biogas Research and

Microbiology, Panchayati Raj Talim Kendra Campus, Gujarat Vidyapith, Sadra, Gandhinagar, 9<sup>th</sup> September, 2018.

- **Dr. Gopal Raol**, Dr. Nirav Bhavsar, Dr. Viral Surati, Dr. Yati Vaidya, Mr. Yogesh Gopani, Ms. Ishita Bhatt and Ms. Shradha Jain, Het Bharvad and Jay Patel, a student of M.Sc. Microbiology, have presented the poster entitled “Increase in Compressive Strength of Cement Mortar Using Ureolytic Bacteria Induced MICP” in conference on “Recent trends and developments in Microbiology” sponsored by GUJCOST, DST, Government of Gujarat and organized by CU Shah Institute of Life Sciences, Wadhwan City, Surendranagar on 5<sup>th</sup> October, 2018.
- **Dr. Gopal Raol** has participated in one day seminar entitled “The role of IQAC in Institutional Development, Quality Sustenance and Empowerment” on 3<sup>rd</sup> December, 2018 organized by ARIBAS, Charutar Vidyamandal, V. V. Nagar.
- Soumya S. Yadav, Devalkumari G. Joshi and **Dr. Gopal Raol** have presented the poster entitled “Screening of medium components by Plackett-Burman Design for enhanced production of lactase” in National seminar on “Recent inclinations in Microbiology and Biotechnology” organized by Parul Institute of Applied Science and Research, Parul University on 24<sup>th</sup> December 2018.
- Bhakti Hirani, Krupal Paatel, Jatin Patel, **Gopalkumar Raol**, Nirav Bhavsar, Yogesh Gopani, Ishita Joshi, Rupesh Jha, Anju Kunjadia, Yati Vaidya, Viral Surati have presented poster entitled “Evaluation of the antimicrobial activity of Crude Herbal Extract of *Azadirachta Indica* and *Ocimum Sanctum*” in National seminar on “Recent inclinations in Microbiology and Biotechnology” organized by Parul Institute of Applied Science and Research, Parul University on 24<sup>th</sup> December 2018.
- Vishakha Raval, Jatin Patel, **Gopalkumar Raol**, Nirav Bhavsar, Viral Surati, Yogesh Gopani, Ishita Joshi, Rupesh Jha, Anju Kunjadia, Yati Vaidya have presented poster entitled “Partial purification of a Bacteriocin Produced by Probiotic bacteria from breast milk” in National seminar on “Recent inclinations in Microbiology and Biotechnology”

organized by Parul Institute of Applied Science and Research, Parul University on 24th December 2018 (**Received Best Poster**).

- Seema Malaviya, Jatin Patel, **Gopalkumar Raol**, Nirav Bhavsar, Viral Surati Yogesh Gopani, Ishita Joshi, Rupesh Jha, Anju Kunjadia, Yati Vaidya have presented poster entitled “To screen probiotic bacteria from healthy human milk” in National seminar on “Recent inclinations in Microbiology and Biotechnology” organized by Parul Institute of Applied Science and Research, Parul University on 24<sup>th</sup> December 2018.
- Deval Joshi, Vaibhavi Patel, Margi Patel, Pooja Patel and **Gopal Raol** have presented a poster entitled “Lactase production, purification and its transgalactosylation activity” in Science Meet-2019: V. V. Nagar chapter jointly organized by Gujarat Science Academy and C. C. Patel Community Science Center and hosted by Shri Alpesh N. Patel PG Institute of Science and Research, Anand on 6<sup>th</sup> January, 2019.
- **Dr. Gopal Raol** has participated in public lecture on “Our Universe-through the eyes of gravitation waves” presented by Prof. Pankaj Joshi, an internationally acclaimed Scientist, Provost and founding Director for the International Center for Cosology (ICC) and organized by Sardar Patel University, V V Nagar.
- **Dr. Gopal Raol** has successfully coordinated the one day industrial visit to Dr. Kurien Amul Cheese Plant, Khatraj and ABC Agrobiotechnology Pvt Ltd, Mahemdabad on 15<sup>th</sup> September 2018.

#### **Dr. Nirav Bhavsar**

- Dr. J.D. Patel, Dr. Gopal Raol and **Dr. Nirav Bhavsar** published a research paper “One-factor-at-a-time (OFAT) optimization of  $\beta$ -galactosidase production from *Aspergillus flavus* gr. NFCCI-2728 in submerged fermentation” in *Journal of Harmonized Research in Applied Sciences*, Society of Harmonized Research, Bilaspur (C.G.) ISSN No. 2321-7456) UGC list no.64113.
- Dr. Viral Surati, Dr. Jatin D. Patel, Dr. Gopal Raol, **Dr. Nirav Bhavsar**, Mr. Yogesh Gopani, Ms. Ishita Joshi, Mr. Rupesh Jha, Ms. Hiral Patel and Dr. Yati Vaidya have communicated and accepted (30<sup>th</sup> October,

2018) the review on “An Antimicrobial Green Nanoparticle Synthesis: A Novel Approach in Therapeutics Field” in the International Journal of Pharmacy and Biological Sciences (Electronic: ISSN 2230-7605, Print: ISSN 2321-3272) UGC list no.46322.

- **Dr. Nirav Bhavsar** has published the book entitled “Liquid fertilizer: need and importance” in Pothi.com.
- **Dr. Nirav Bhavsar** has published the book entitled “Microbial Production of Phytohormone and its effect on plant growth: An approach for sustainable agriculture” in Lambert Academic Publishing (ISBN: 978-613-9-88581-7).
- **Dr. Nirav Bhavsar** has attended One Day State Level Workshop on “Assembly and Use of Foldscope” at Department of Biogas Research and Microbiology, Panchayati Raj Talim Kendra Campus, Gujarat Vidyapith, Sadra, Gandhinagar, 9<sup>th</sup> September, 2018.
- Dr. Gopal Raol, **Dr. Nirav Bhavsar**, Dr. Viral Surati, Dr. Yati Vaidya, Mr. Yogesh Gopani, Ms. Ishita Bhatt and Ms. Shradha Jain, Het Bharvad and Jay Patel, a student of M. Sc. Microbiology, have presented the poster entitled “Increase in Compressive Strength of Cement Mortar Using Ureolytic Bacteria Induced MICP” in conference on “Recent trends and developments in Microbiology” sponsored by GUJCOST, DST, Government of Gujarat and organized by CU Shah Institute of Life Sciences, Wadhwan City, Surendranagar on 5<sup>th</sup> October, 2018.
- **Dr. Nirav Bhavsar** has participated and actively presented poster in National seminar on “Recent inclinations in Microbiology and Biotechnology” organized by Parul Institute of Applied Science and Research, Parul University, Ahmedabad, on 24<sup>th</sup> December 2018.
- **Dr. Nirav Bhavsar**, Mr. Yogesh Gopani, Dhruv Soni, Hirak Tandel, Swapnil Nandre and Rutvi Dhanani have presented poster entitled “PHA characterization and blending with PLA to prepare copolymer” in National seminar on “Recent inclinations in Microbiology and Biotechnology” organized by Parul Institute of Applied Science and Research, Parul University on 24<sup>th</sup> December 2018.



- Margi Patel, Jatin Patel, Gopalkumar Raol, **Nirav Bhavsar**, Viral Surati Yogesh Gopani, Ishita Joshi, Rupesh Jha, Anju Kunjadia, Yati Vaidyahave presented poster entitled “Evaluation of *Dhatura inoxia* plant extract against methicillin-resistant *Staphylococcus aureus*” in National seminar on “Recent inclinations in Microbiology and Biotechnology” organized by Parul Institute of Applied Science and Research, Parul University on 24<sup>th</sup> December 2018.
- Bhakti Hirani, Krupal Paatel, Jatin Patel, Gopalkumar Raol, **Nirav Bhavsar**, Yogesh Gopani, Ishita Joshi, Rupesh Jha, Anju Kunjadia, Yati Vaidya, Viral Surati have presented poster entitled “Evaluation of the antimicrobial activity of Crude Herbal Extract of *Azadirachta Indica* and *Ocimum Sanctum*” in National seminar on “Recent inclinations in Microbiology and Biotechnology” organized by Parul Institute of Applied Science and Research, Parul University on 24<sup>th</sup> December 2018.
- Vishakha Raval, Jatin Patel, Gopalkumar Raol, **Nirav Bhavsar**, Viral Surati Yogesh Gopani, Ishita Joshi, Rupesh Jha, Anju Kunjadia, Yati Vaidya have presented poster entitled “Partial purification of a Bacteriocin Produced by Probiotic bacteria from breast milk” in National seminar on “Recent inclinations in Microbiology and Biotechnology” organized by Parul Institute of Applied Science and Research, Parul University on 24<sup>th</sup> December 2018 (**Received Best Poster**).
- Seema Malaviya, Jatin Patel, Gopalkumar Raol, **Nirav Bhavsar**, Viral Surati Yogesh Gopani, Ishita Joshi, Rupesh Jha, Anju Kunjadia, Yati Vaidya have presented poster entitled “To screen probiotic bacteria from healthy human milk” in National seminar on “Recent inclinations in Microbiology and Biotechnology” organized by Parul Institute of Applied Science and Research, Parul University on 24<sup>th</sup> December 2018.
- Rutvi Dhanani, **Nirav Bhavsar** have presented poster entitled “Design and development of microbial fuel cell (MFC) for electricity generation from waste” in Science Meet-2019: V. V. Nagar chapter jointly organized by Gujarat Science Academy and C. C. Patel Community Science Center and hosted by Shri Alpesh N. Patel PG Institute of Science and

Research, Anand on 6<sup>th</sup> January, 2019 (**Received second rank**).

- Swapnil Nandre and **Nirav Bhavsar** have presented a poster entitled “Pigment production from fungi and its bioactivity” in Science Meet-2019: V. V. Nagar chapter jointly organized by Gujarat Science Academy and C. C. Patel Community Science Center and hosted by Shri Alpesh N. Patel PG Institute of Science and Research, Anand on 6<sup>th</sup> January, 2019.
- Nikita Parmar and **Nirav Bhavsar** have presented a poster entitled “Biodegradation of phenolics” in Science Meet-2019: V. V. Nagar chapter jointly organized by Gujarat Science Academy and C. C. Patel Community Science Center and hosted by Shri Alpesh N. Patel PG Institute of Science and Research, Anand on 6<sup>th</sup> January, 2019.
- **Dr. Nirav Bhavsar** has participated in public lecture on “Our Universe-through the eyes of gravitation waves” presented by Prof. Pankaj Joshi, an internationally acclaimed Scientist, Provost and founding Director for the International Center for Cosology (ICC) and organized by Sardar Patel University, V V Nagar.
- **Dr. Nirav Bhavsar** and Ms. Rutvi Dhanani, M. Sc. Microbiology Semester-4 Student, have presented a MFC Working Model at J & J College of Science College at Nadiad for 30<sup>th</sup> State Level Inter collegiate Competitions for Model Display under the ages of Gujarat Integrate bio network (GIBION) by GSBTM and secured third position.
- **Dr. Nirav Bhavsar** and Students of Microbiology (Vishakha Raval, Sonal Joshi, Parth Sheth, Rutvi Dhanani, Deval Joshi and Krishna Khavas) have awarded best short film by Sardar Patel University.
- **Dr. Nirav Bhavsar** has successfully coordinated the blood donation camp, organized by Charotar Education Society, Red Cross Society and Sanjivani Trust, Anand, on 15<sup>th</sup> August, 2018 at M. B. Patel Science college campus.
- **Dr. Nirav Bhavsar** has successfully coordinated with Microbiology Students in the different competition of youth festival 2018-19 organized by Sardar Patel University, V. V. Nagar.

- **Dr. Nirav Bhavsar** has successfully coordinated the day's celebration (Twins Day, Goggles and Turban Day, Traditional day, Group day) and several competitions (Poster making, Mahendi, Rangoli and Master Chef) which were organized by the Shri A N Patel PG Institute of Science and Research, Anand.
- **Dr. Nirav Bhavsar** has successfully coordinated the one day industrial visit Dr. Kurien Amul Cheese Plant, Khatraj and ABC Agrobiotechnology Pvt Ltd, Mahemdabad on 15<sup>th</sup> September 2018.

### **Dr. Rupesh Jha**

- Dr. Viral Surati, Dr. Jatin D. Patel, Dr. Gopal Raol, Dr. Nirav Bhavsar, Mr. Yogesh Gopani, Ms. Ishita Joshi, **Mr. Rupesh Jha**, Ms. Hiral Patel and Dr. Yati Vaidya have communicated and accepted (30<sup>th</sup> October, 2018) the review on “An Antimicrobial Green Nanoparticle Synthesis: A Novel Approach in Therapeutics Field” in the International Journal of Pharmacy and Biological Sciences (Electronic: ISSN 2230-7605, Print: ISSN 2321-3272) UGC list no.46322.
- Bhakti Hirani, Krupal Paatel, Jatin Patel, Gopalkumar Raol, Nirav Bhavsar, Yogesh Gopani, Ishita Joshi, **Rupesh Jha**, Anju Kunjadia, Yati Vaidya, Viral Surati have presented poster entitled “Evaluation of the antimicrobial activity of Crude Herbal Extract of *Azadirachta Indica* and *Ocimum Sanctum*” in National seminar on “Recent inclinations in Microbiology and Biotechnology” organized by Parul Institute of Applied Science and Research, Parul University on 24<sup>th</sup> December 2018.
- Vishakha Raval, Jatin Patel, Gopalkumar Raol, Nirav Bhavsar, Viral Surati Yogesh Gopani, Ishita Joshi, **Rupesh Jha**, Anju Kunjadia, Yati Vaidya have presented poster entitled “Partial purification of a Bacteriocin Produced by Probiotic bacteria from breast milk” in National seminar on “Recent inclinations in Microbiology and Biotechnology” organized by Parul Institute of Applied Science and Research, Parul University on 24<sup>th</sup> December 2018 (**Received Best Poster**).
- Seema Malaviya, Jatin Patel, Gopalkumar Raol, Nirav Bhavsar, Viral Surati Yogesh Gopani, Ishita Joshi, **Rupesh Jha**, Anju Kunjadia, Yati

Vaidya have presented poster entitled “To screen probiotic bacteria from healthy human milk” in National seminar on “Recent inclinations in Microbiology and Biotechnology” organized by Parul Institute of Applied Science and Research, Parul University on 24<sup>th</sup> December 2018.

### **Dr. Viral V. Surati**

- **Dr. Viral Surati**, Dr. Jatin D. Patel, Dr. Gopal Raol, Dr. Nirav Bhavsar, Mr. Yogesh Gopani, Ms. Ishita Joshi, Mr. Rupesh Jha, Ms. Hiral Patel and Dr. Yati Vaidya have communicated and accepted (30<sup>th</sup> October, 2018) the review on “An Antimicrobial Green Nanoparticle Synthesis: A Novel Approach in Therapeutics Field” in the International Journal of Pharmacy and Biological Sciences (Electronic: ISSN 2230-7605, Print: ISSN 2321-3272) UGC list no.46322.
- Dr. Gopal Raol, Dr. Nirav Bhavsar, **Dr. Viral Surati**, Dr. Yati Vaidya, Mr. Yogesh Gopani, Ms. Ishita Bhatt and Ms. Shradha Jain, Het Bharvad and Jay Patel, a student of M. Sc. Microbiology, have presented the poster entitled “Increase in Compressive Strength of Cement Mortar Using Ureolytic Bacteria Induced MICP” in conference on “Recent trends and developments in Microbiology” sponsored by GUJCOST, DST, Government of Gujarat and organized by CU Shah Institute of Life Sciences, Wadhwan City, Surendranagar on 5<sup>th</sup> October, 2018.
- Bhakti Hirani, Krupal Paatel, Jatin Patel, Gopalkumar Raol, Nirav Bhavsar, Yogesh Gopani, Ishita Joshi, Rupesh Jha, Anju Kunjadia, Yati Vaidya, **Viral Surati** have presented poster entitled “Evaluation of the antimicrobial activity of Crude Herbal Extract of *Azadirachta Indica* and *Ocimum Sanctum*” in National seminar on “Recent inclinations in Microbiology and Biotechnology” organized by Parul Institute of Applied Science and Research, Parul University on 24<sup>th</sup> December 2018.
- Vishakha Raval, Jatin Patel, Gopalkumar Raol, Nirav Bhavsar, **Viral Surati**, Yogesh Gopani, Ishita Joshi, Rupesh Jha, Anju Kunjadia, Yati Vaidya have presented poster entitled “Partial purification of a Bacteriocin Produced by Probiotic bacteria from breast milk” in National seminar on “Recent inclinations in Microbiology and Biotechnology”

organized by Parul Institute of Applied Science and Research, Parul University on 24th December 2018 (**Received Best Poster**).

- Seema Malaviya, Jatin Patel, Gopalkumar Raol, Nirav Bhavsar, **Viral Surati**, Yogesh Gopani, Ishita Joshi, Rupesh Jha, Anju Kunjadia, Yati Vaidya have presented poster entitled “To screen probiotic bacteria from healthy human milk” in National seminar on “Recent inclinations in Microbiology and Biotechnology” organized by Parul Institute of Applied Science and Research, Parul University on 24th December 2018.
- Poonam Prajapati, Kajal Jani, and **Viral Surati** have presented poster entitled “Isolation and screening of dye decolorizing organisms” in Science Meet-2019: V. V. Nagar chapter jointly organized by Gujarat Science Academy and C. C. Patel Community Science Center and hosted by Shri Alpesh N. Patel PG Institute of Science and Research, Anand on 6<sup>th</sup> January, 2019.
- Khushbu Rangani, Kajol Manavar, and **Viral Surati** have presented poster entitled “Isolation and characterization of phenol degrading organisms” in Science Meet-2019: V. V. Nagar chapter jointly organized by Gujarat Science Academy and C. C. Patel Community Science Center and hosted by Shri Alpesh N. Patel PG Institute of Science and Research, Anand on 6<sup>th</sup> January, 2019.
- **Dr. Viral Surati** has successfully coordinated the one day industrial visit to Dr. Kurien Amul Cheese Plant, Khatraj and ABC Agrobiotechnology Pvt Ltd, Mahemdabad on 15<sup>th</sup> September 2018.

### **Mr. Yogesh Gopani**

- Dr. Viral Surati, Dr. Jatin D. Patel, Dr. Gopal Raol, Dr. Nirav Bhavsar, **Mr. Yogesh Gopani**, Ms. Ishita Joshi, Mr. Rupesh Jha, Ms. Hiral Patel and Dr. Yati Vaidya have communicated and accepted (30<sup>th</sup> October, 2018) the review on “An Antimicrobial Green Nanoparticle Synthesis: A Novel Approach in Therapeutics Field” in the International Journal of Pharmacy and Biological Sciences (Electronic: ISSN 2230-7605, Print: ISSN 2321-3272) UGC list no.46322.
- Dr. Gopal Raol, **Mr. Yogesh Gopani**, Ms. Ishita Bhatt and Students of

M. Sc. Microbiology sem-1 and 3 have attended the Late Dr. Diwaker R. Patel 10<sup>th</sup> Memorial Lecture on “Changing agricultural scenario: from green revolution to gene revolution” by Dr. T. M. Manjunath, Professor, Consultant in Agri-biotechnology and IPM, Director (Retd), Monsanto Research Centre, Bengaluru, at B. A. College of Agriculture, Anand Agricultural University, Anand, 10<sup>th</sup> September, 2018.

- Dr. Gopal Raol, Dr. Nirav Bhavsar, Dr. Viral Surati, Dr. Yati Vaidya, **Mr. Yogesh Gopani**, Ms. Ishita Bhatt and Ms. Shradha Jain, Het Bharvad and Jay Patel, a student of M. Sc. Microbiology, have presented the poster entitled “Increase in Compressive Strength of Cement Mortar Using Ureolytic Bacteria Induced MICP” in conference on “Recent trends and developments in Microbiology” sponsored by GUJCOST, DST, Government of Gujarat and organized by CU Shah Institute of Life Sciences, Wadhwan City, Surendranagar on 5<sup>th</sup> October, 2018.
- Bhakti Hirani, Krupal Paatel, Jatin Patel, Gopalkumar Raol, Nirav Bhavsar, **Yogesh Gopani**, Ishita Joshi, Rupesh Jha, Anju Kunjadia, Yati Vaidya, Viral Surati have presented poster entitled “Evaluation of the antimicrobial activity of Crude Herbal Extract of *Azadirachta Indica* and *Ocimum Sanctum*” in National seminar on “Recent inclinations in Microbiology and Biotechnology” organized by Parul Institute of Applied Science and Research, Parul University on 24<sup>th</sup> December 2018.
- Vishakha Raval, Jatin Patel, Gopalkumar Raol, Nirav Bhavsar, Viral Surati, **Yogesh Gopani**, Ishita Joshi, Rupesh Jha, Anju Kunjadia, Yati Vaidya have presented poster entitled “Partial purification of a Bacteriocin Produced by Probiotic bacteria from breast milk” in National seminar on “Recent inclinations in Microbiology and Biotechnology” organized by Parul Institute of Applied Science and Research, Parul University on 24<sup>th</sup> December 2018 (**Received Best Poster**).
- Seema Malaviya, Jatin Patel, Gopalkumar Raol, Nirav Bhavsar, Viral Surati, **Yogesh Gopani**, Ishita Joshi, Rupesh Jha, Anju Kunjadia, Yati Vaidya have presented poster entitled “To screen probiotic bacteria from healthy human milk” in National seminar on “Recent inclinations in

Microbiology and Biotechnology” organized by Parul Institute of Applied Science and Research, Parul University on 24<sup>th</sup> December 2018.

- Jyothi Rao, Soumya Yadav and **Yogesh Gopani** have presented a poster entitled “Biodegradation of anionic surfactants using microorganism” in Science Meet-2019: V. V. Nagar chapter jointly organized by Gujarat Science Academy and C. C. Patel Community Science Center and hosted by Shri Alpesh N. Patel PG Institute of Science and Research, Anand on 6<sup>th</sup> January, 2019.

### **Ms. Ishita Bhatt**

- Dr. Viral Surati, Dr. Jatin D. Patel, Dr. Gopal Raol, Dr. Nirav Bhavsar, Mr. Yogesh Gopani, **Ms. Ishita Joshi**, Mr. Rupesh Jha, Ms. Hiral Patel and Dr. Yati Vaidya have communicated and accepted (30<sup>th</sup> October, 2018) the review on “An Antimicrobial Green Nanoparticle Synthesis: A Novel Approach in Therapeutics Field” in the International Journal of Pharmacy and Biological Sciences (Electronic: ISSN 2230-7605, Print: ISSN 2321-3272) UGC list no.46322.
- Dr. Gopal Raol, Mr. Yogesh Gopani, **Ms. Ishita Bhatt** and Students of M. Sc. Microbiology sem-1 and 3 have attended the Late Dr. Diwaker R. Patel 10<sup>th</sup> Memorial Lecture on “Changing agricultural scenario: from green revolution to gene revolution” by Dr. T. M. Manjunath, Professor, Consultant in Agri-biotechnology and IPM, Director (Retd), Monsanto Research Centre, Bengaluru, at B. A. College of Agriculture, Anand Agricultural University, Anand, 10<sup>th</sup> September, 2018.
- Dr. Gopal Raol, Mr. Yogesh Gopani, **Ms. Ishita Bhatt** and Students of M. Sc. Microbiology sem-1 and 3 have attended the Late Dr. Diwaker R. Patel 10<sup>th</sup> Memorial Lecture on “Changing agricultural scenario: from green revolution to gene revolution” by Dr. T. M. Manjunath, Professor, Consultant in Agri-biotechnology and IPM, Director (Retd), Monsanto Research Centre, Bengaluru, at B. A. College of Agriculture, Anand Agricultural University, Anand, 10<sup>th</sup> September, 2018.
- Dr. Gopal Raol, Dr. Nirav Bhavsar, Dr. Viral Surati, Dr. Yati Vaidya, Mr. Yogesh Gopani, **Ms. Ishita Bhatt** and Ms. Shradha Jain, Het Bharvad

and Jay Patel, a student of M. Sc. Microbiology, have presented the poster entitled “Increase in Compressive Strength of Cement Mortar Using Ureolytic Bacteria Induced MICP” in conference on “Recent trends and developments in Microbiology” sponsored by GUJCOST, DST, Government of Gujarat and organized by CU Shah Institute of Life Sciences, Wadhwan City, Surendranagar on 5<sup>th</sup> October, 2018.

- Bhakti Hirani, Krupal Paatel, Jatin Patel, Gopalkumar Raol, Nirav Bhavsar, Yogesh Gopani, **Ishita Joshi**, Rupesh Jha, Anju Kunjadia, Yati Vaidya, Viral Surati have presented poster entitled “Evaluation of the antimicrobial activity of Crude Herbal Extract of *Azadirachta Indica* and *Ocimum Sanctum*” in National seminar on “Recent inclinations in Microbiology and Biotechnology” organized by Parul Institute of Applied Science and Research, Parul University on 24<sup>th</sup> December 2018.
- Vishakha Raval, Jatin Patel, Gopalkumar Raol, Nirav Bhavsar, Viral Surati Yogesh Gopani, **Ishita Joshi**, Rupesh Jha, Anju Kunjadia, Yati Vaidya have presented poster entitled “Partial purification of a Bacteriocin Produced by Probiotic bacteria from breast milk” in National seminar on “Recent inclinations in Microbiology and Biotechnology” organized by Parul Institute of Applied Science and Research, Parul University on 24<sup>th</sup> December 2018 (**Received Best Poster**).
- Seema Malaviya, Jatin Patel, Gopalkumar Raol, Nirav Bhavsar, Viral Surati Yogesh Gopani, **Ishita Joshi**, Rupesh Jha, Anju Kunjadia, Yati Vaidya have presented poster entitled “To screen probiotic bacteria from healthy human milk” in National seminar on “Recent inclinations in Microbiology and Biotechnology” organized by Parul Institute of Applied Science and Research, Parul University on 24<sup>th</sup> December 2018.
- Priti Pandey, Surbhi Modi and **Ishita Bhatt** have presented poster entitled “Evaluation of antimicrobial activity of *Citruslimetta*” in Science Meet-2019: V. V. Nagar chapter jointly organized by Gujarat Science Academy and C. C. Patel Community Science Center and hosted by Shri Alpesh N. Patel PG Institute of Science and Research, Anand on 6<sup>th</sup>



January, 2019.

- Harshil Sardhara, Parita Bhalodiya and **Ishita Bhatt** have presented a poster entitled “Effective use of nanoparticles and calotrophis sp. latex in bioplastic production” in Science Meet-2019: V. V. Nagar chapter jointly organized by Gujarat Science Academy and C. C. Patel Community Science Center and hosted by Shri Alpesh N. Patel PG Institute of Science and Research, Anand on 6<sup>th</sup> January, 2019.

### **Dr. Yati Vaidya**

- Dr. Viral Surati, Dr. Jatin D. Patel, Dr. Gopal Raol, Dr. Nirav Bhavsar, Mr. Yogesh Gopani, Ms. Ishita Joshi, Mr. Rupesh Jha, Ms. Hiral Patel and **Dr. Yati Vaidya** have communicated and accepted (30<sup>th</sup> October, 2018) the review on “An Antimicrobial Green Nanoparticle Synthesis: A Novel Approach in Therapeutics Field” in the International Journal of Pharmacy and Biological Sciences (Electronic: ISSN 2230-7605, Print: ISSN 2321-3272) UGC list no.46322.
- Dr. Gopal Raol, Dr. Nirav Bhavsar, Dr. Viral Surati, **Dr. Yati Vaidya**, Mr. Yogesh Gopani, Ms. Ishita Bhatt and Ms. Shradha Jain, Het Bharvad and Jay Patel, a student of M. Sc. Microbiology, have presented the poster entitled “Increase in Compressive Strength of Cement Mortar Using Ureolytic Bacteria Induced MICP” in conference on “Recent trends and developments in Microbiology” sponsored by GUJCOST, DST, Government of Gujarat and organized by CU Shah Institute of Life Sciences, Wadhwan City, Surendranagar on 5<sup>th</sup> October, 2018.
- Bhakti Hirani, Krupal Paatel, Jatin Patel, Gopalkumar Raol, Nirav Bhavsar, Yogesh Gopani, Ishita Joshi, Rupesh Jha, Anju Kunjadia, **Yati Vaidya**, Viral Surati have presented poster entitled “Evaluation of the antimicrobial activity of Crude Herbal Extract of *Azadirachta Indica* and *Ocimum Sanctum*” in National seminar on “Recent inclinations in Microbiology and Biotechnology” organized by Parul Institute of Applied Science and Research, Parul University on 24<sup>th</sup> December 2018.
- Vishakha Raval, Jatin Patel, Gopalkumar Raol, Nirav Bhavsar, Viral Surati, Yogesh Gopani, Ishita Joshi, Rupesh Jha, Anju Kunjadia, and

**Yati Vaidya** have presented poster entitled “Partial purification of a Bacteriocin Produced by Probiotic bacteria from breast milk” in National seminar on “Recent inclinations in Microbiology and Biotechnology” organized by Parul Institute of Applied Science and Research, Parul University on 24th December 2018 (**Received Best Poster**).

- Seema Malaviya, Jatin Patel, Gopalkumar Raol, Nirav Bhavsar, Viral Surati, Yogesh Gopani, Ishita Joshi, Rupesh Jha, Anju Kunjadia, **Yati Vaidya** have presented poster entitled “To screen probiotic bacteria from healthy human milk” in National seminar on “Recent inclinations in Microbiology and Biotechnology” organized by Parul Institute of Applied Science and Research, Parul University on 24th December 2018.
- Bhakti Hirani and **Yati Vaidya** have presented poster entitled “To isolate and identify causative microbes from Mastitis infected Buffalo and Cow” in Science Meet-2019: V. V. Nagar chapter jointly organized by Gujarat Science Academy and C. C. Patel Community Science Center and hosted by Shri Alpesh N. Patel PG Institute of Science and Research, Anand on 6<sup>th</sup> January, 2019.
- Margee Patel, Krupal Patel and **Yati Vaidya** have presented poster entitled “Breast milk: A vital source of neonates gut microflora” in Science Meet-2019: V. V. Nagar chapter jointly organized by Gujarat Science Academy and C. C. Patel Community Science Center and hosted by Shri Alpesh N. Patel PG Institute of Science and Research, Anand on 6<sup>th</sup> January, 2019.
- Seema Malaviya and **Yati Vaidya** have presented poster entitled “Isolation and identification of potential probiotic bacteria from Human milk” in Science Meet-2019: V. V. Nagar chapter jointly organized by Gujarat Science Academy and C. C. Patel Community Science Center and hosted by Shri Alpesh N. Patel PG Institute of Science and Research, Anand on 6<sup>th</sup> January, 2019.
- Vishakha Raval and **Yati Vaidya** have presented a poster entitled “To extract bacteriocin from efficient probiotic bacteria” in Science Meet-2019: V. V. Nagar chapter jointly organized by Gujarat Science Academy

and C. C. Patel Community Science Center and hosted by Shri Alpesh N. Patel PG Institute of Science and Research, Anand on 6<sup>th</sup> January, 2019 **(Received second rank).**

- **Dr. Yati Vaidya** has successfully coordinated the one day industrial visit to Dr. Kurien Amul Cheese Plant, Khatraj and ABC Agrobiotechnology Pvt Ltd, Mahemdabad on 15<sup>th</sup> September 2018.

### **Ms. Shradha Jain**

- Dr. Gopal Raol, Dr. Nirav Bhavsar, Dr. Viral Surati, Dr. Yati Vaidya, Mr. Yogesh Gopani, Ms. Ishita Bhatt, Ms. Shradha Jain, Het Bharvad and Jay Patel, a student of M. Sc. Microbiology, have participated and presented the poster entitled “Increase in Compressive Strength of Cement Mortar Using Ureolytic Bacteria Induced MICP” in conference on “Recent trends and developments in Microbiology” sponsored by GUJCOST, DST, Government of Gujarat and organized by CU Shah Institute of Life Sciences, Wadhwan City, Surendranagar on 5<sup>th</sup> October, 2018.

### **Ms. Bhargavi Sonavane**

- Ms. Bhargavi Sonavane has participated in public lecture on “Our Universe- through the eyes of gravitation waves” presented by Prof. Pankaj Joshi, an internationally acclaimed Scientist, Provost and founding Director for the International Center for Cosology (ICC) and organized by Sardar Patel University, V V Nagar.

### **Dr. Nirajkumar Singh**

- Patel S. N., Sonani R. R., Jakharia K., Bhastana B., Patel H. M., Chaubey M. G., Singh N. K., Madamwar D. Antioxidant activity and associated structural attributes of Halomicronema Phycoerythrin. International Journal of Biological Macromolecules (2018, May). DOI: 10.1016/j.ijbiomac.2017.12.170 (IF = 3.096)
- Invited Talk- Delivered a talk on “Caenorhabditis elegans model for Alzheimer’s Disease” on 6<sup>th</sup> January, 2019 at Gujarat Science Meet-2019, organized by Gujarat Science Academy (VVN Chapter).

- Invited as Resource Person and delivered lecture on Life Processes for a CSIR-NET Crash Course sponsored by GSBTM under PG-BT-CBC scheme conducted at Ashok and Rita Patel Institute of Integrated Study & Research in Biotechnology and Allied Sciences (ARIBAS), New VallabhVidya Nagar on in June and Nov, 2018.
- Invited as Resource Person and delivered lecture on Life Processes for a JNU-CEEB Crash Course sponsored by GSBTM under UG-BT-CBC scheme conducted at PSSHDA, Kadi on 16<sup>th</sup> Dec, 2018.
- Invited as resource person in GSBTM sponsored 6 days TY CBC crash course under N-BT-CBC in collaboration with Mehsana Urban Institute of Sciences, Ganpat University, Mehsana, and delivered a lecture on “Cell Cycle Regulations & Cancer” on 25<sup>th</sup> January 2019.
- Invited as resource person in GSBTM sponsored 6 days TY CBC crash course under N-BT-CBC in collaboration with C.G.Bhakta Institute of Biotechnology, Uka Tarsadia University, delivered a lecture on “Photosynthesis” on 28<sup>th</sup> January 2019.
- Attended 49<sup>th</sup> Refresher Course in Biosciences at UGC-HRDC, Sardar Patel University, V V Nagar from 28<sup>th</sup> January, 2019 to 17<sup>th</sup> February, 2019.

### **Dr. Jitendriya Panigrahi**

- Invited as resource person in GSBTM sponsored 6 days TY CBC crash course under N-BT-CBC in collaboration with Mehsana Urban Institute of Sciences, Ganpat University, Mehsana delivered a lecture on “Plant physiology” on 24<sup>th</sup> January 2019.
- Patel Niyati, Gantait Saikat, Panigrahi Jitendriya (2018). Extension of postharvest shelf-life in green bell pepper (*Capsicum annuum* L.) using exogenous application of polyamines (spermidine and putrescine). Food Chemistry (Elsevier) 275:681-687. [[doi.org/10.1016/j.foodchem.2018.09.154](https://doi.org/10.1016/j.foodchem.2018.09.154)]. [IF 4.946]
- Gaintait Saikat, El-Dawayati Maiada M, Panigrahi Jitendriya, Labrooy Catherine, Verma Sandeep Kumar (2018). The retrospect and prospect of the applications of biotechnology in *Phoenix*

*dactylifera* L. Applied Microbiology and Biotechnology (Springer) 102:8229–8259. [doi.org/10.1007/s00253-018-9232-x]. [IF 3.4]

- Chauhan Reshma, Patel Charmi, Panigrahi Jitendriya (2018). Greener approach for copper nanoparticles synthesis from *Catharanthus roseus* and *Azadirachta indica* leaf extract and their antibacterial and antioxidant activities. Asian Journal of Research in Pharmaceutical Sciences 8(2): 81-90 [doi.org/10.5958/2231-5659.2018.00016.4].
- Panigrahi J, Patel M, Patel N, Gheewala B, Gantait S (2018). Changes in antioxidant and biochemical activities in castor-oil-coated *Capscicum annum* L. during postharvest storage. 3 Biotech, (Springer) [Pubmed] 8(6) :280 [doi.org/10.1007/s13205-018-1284-1] [IF 1.361] (NAAS 6.99)
- Gantait S, Panigrahi J (2018). *In vitro* biotechnological advancements in Malabar nut (*Adhatoda vasica* Nees): Achievements, status and prospects. Journal of Genetic Engineering and Biotechnology, 1-8. [doi.org/10.1016/j.jgeb.2018.03.007]
- Gantait Saikat, Panigrahi Jitendriya and Verma Sandeep Kumar (2018). Transgenic ornamentals for phytoremediation of metals and metalloids. In book: Transgenic plant technology for remediation of toxic metals and metalloids, Elsevier Academic press, Editor: Majedi Narasimha Vara Prasad, pp. 477-497.

### **Dr. Komal Mihir Acharya**

- Komal M Acharya, Prateek Shilpkar and Mayur C Shah (2018) Degradation of monocrotophos by *Bacillus subtilis* KPA-1 and its effect on soil properties. Pesticide Research Journal. 30(2): 201-218.

### **Dr. Hiteshkumar Patel**

- Patel Hitesh, Patel Jatin, Patel Nayana, Kunjadia Prashant, Dave Gaurav, Mangrola Amit. **2019** The genetic analysis of zinc transporter (ZnT) gene polymorphism and its association with risk of preterm birth. *Journal of Pharmaceutical, Chemical and Biological Sciences*, 6(4), 201-209.

- Hiteshkumar Patel **(2018)** Anti-Oxidative Properties of Bamboo Leaves, LAMBERT ACADEMIC PUBLISHING. (ISBN: 978-613-9-82409-0) Published on **2018-05-02**
- With A grade from 28/01/2019 to 18/02/2019 at Academic Staff College, Sardar Patel University, V.V. Nagar sponsored by UGC.
- Akbari, H., Kakadiya K., Lakhani V., Hitesh Patel presented a Poster entitled “Invitro Antioxidant Potential of Methenolic extract of *Calotropis gigantea* and *Calotropis procera*” in the National Conference “Medicinal Chemistry at the Interface of 21st Century: An Indian Perspective, V. P. & R. P. T. P. Science College on **28<sup>th</sup> February 2019**.
- **Acted a Judge** for Poster session of Biological Science in Gujarat Science Meet -2019 organized by GSA-VVN Chapter on 06/01/2019

### **Mr. Amit V. Mangrola**

- Patel Hitesh, Patel Jatin, Patel Nayana, Kunjadia Prashant, Dave Gaurav, **Mangrola Amit V. (2019)** The Genetic Analysis of Zinc Transporter (Znt) Gene Polymorphism and Its Association with the Risk of Preterm Birth. *Journal of Pharmaceutical, Chemical and Biological Sciences*.6 (4): ISSN: 2348-7658.
- Oral presentation entitled “**Production, characterization and Cytotoxicity studies of Silver nanoparticles from Novel Species of *Laceyella tengongensis***” in the conference organized by Shri Alpesh N. Patel PG Institute of Science & Research, Anand, and Gujarat.
- With Dr. Pranav Patel (M.D), Gausiddhh Chikitsak for Cancer Research.
- With Dr. Singh, ICAR Laboratory, Delhi University for Thermal spring metagenomics & Bioinformatics studies.
- With Dr. Sunil Chanki, Ankur Kumar Khimani, Department of Physics, Sardar Patel University, VVNAGAR, Gujarat for Nanoparticles and its Characterization studies

### **Ms. Dipeksha A. Macwan**

- Attended a workshop for **Academic awareness program for PhD and MPhil students on plagiarism** organized by P.G. department of business studies, SPU on 13 July 2018.

### **Ms. Jinal V. Patel**

- Attended A National Seminar on “Higher Education In India: Emerging Issues, Challenges & Future Prospects” jointly organized by the Post Graduate Department of Political Science and Indian Institute of Public Administration (IIPA) on 4 August, 2018 at M.P Patel Auditorium, V.V. Nagar (Gujarat).
- Attended Gujarat Science Meet-2019 organised by GSA-VVN Chapter on 06/01/2019.

### **Mrs. Lisma Patel**

- Attended A National Seminar on “Higher Education In India: Emerging Issues, Challenges & Future Prospects” jointly organized by the Post Graduate Department of Political Science and Indian Institute of Public Administration (IIPA) on 4 August, 2018 at M.P Patel Auditorium, V.V. Nagar (Gujarat).
- Miss Aarti Patel, Dr. Sanjay Patel, and Mrs Lisma Patel Presented a Poster entitled “A Clinicopathologic Analysis of Cerebrospinal Fluid From Different Age Group” in Gujarat Science Meet-2019 Organised by GSA-VVN Chapter on 06/01/2019.

### **Mrs. Hetal A. Patel**

- Attended Gujarat Science Meet-2019 organised by GSA-VVN Chapter on 06/01/2019.

### **Ms. Kinjal R. Patel**

- Attended Gujarat Science Meet-2019 organised by GSA-VVN Chapter on 06/01/2019.

### **Ms. Vrushali D. Patel**

- Attended Gujarat Science Meet-2019 organised by GSA-VVN Chapter on 06/01/2019.

### **Ms. Niral S. Patel**

- Attended Gujarat Science Meet-2019 organised by GSA-VVN Chapter on 06/01/2019

### **Dr. Kalpit G. Soni**

- **Completed PhD in Computer Science with Thesis entitled “Locate Cloud File with Accurate Geolocation with Modified K-Medoid Clustering Algorithm” under observation of Dr. Atul Patel in November 2018.**
- **Acted as Judge of “Gujarat Science Academy Science Meet-2019” organized by GSA-VVN Chapter, in collaboration with Shri Alpesh N. Patel PG Institute of Science and Research, Anand & C. C. Patel Community Science Center (S. P. University) held on 6<sup>th</sup> January, 2019, at Shri Alpesh N. Patel PG Institute of Science & Research, Anand.**
- **Acted as Judge in “LOGO MAKING COMPEETITION” organized by Chanchalba Lalitkala Institute, Anand Managed by Sardar Patel Education Trust, held on 31<sup>st</sup> August 2018.**
- **Has attended One-day workshop on “Python” at Sardar Patel Education Campus, Bakrol.**

### **Dr. Maulik N. Pandya**

- **Deliver an expert talk on his registered patent on money transaction technology using Mobile Phone at “Gujarat Science Academy Science Meet-2019” organized by GSA-VVN Chapter, in collaboration with Shri Alpesh N. Patel PG Institute of Science and Research, Anand & C. C. Patel Community Science Center (S. P. University) held on 6<sup>th</sup> January, 2019, at Shri Alpesh N.**



**Patel PG Institute of Science & Research, Anand.**

**Mr. Vipul J. Patel**

- Mr. Vipul Patel has attended 1-day workshop on “Python” at Sardar Patel Education Campus, Bakrol.

**Mr. Tejash V. Parmar**

- Mr. Tejas Parmar has attended 1-day workshop on “Python” at Sardar Patel Education Campus, Bakrol.

**Mr. Hiren M. Bhatt**

- Mr. Tejas Parmar has attended 1-day workshop on “Python” at Sardar Patel Education Campus, Bakrol.

**Mr. Chirag U. Vyas**

- Published a Research Paper entitled “Growth, characterization and photoconduction properties of  $Sb_{0.1} Mo_{0.9} Se_2$  single crystals grown by DVT technique” in Material science in Semiconductor Processing.
- Published a Research Paper entitled “Growth, Morphological properties and pulsed Photo-response of  $MoTe_2$  Single crystal synthesized by DVT Technique in “AIP Conference Proceeding”.
- Published a Research Paper entitled “Photosensitive space charge limited current in screen printed CdTe Thin films” in “AIP Conference Proceeding”.
- Published a review article on “A short review of CdTe and CdSe films: growth and characterization” in Mediterranean journal of chemistry.
- Attended 41<sup>st</sup> orientation programme from 12/11/2018 to 09/12/2018 and secured “A” grade at UGC-HRDC Sardar Patel University Vallabh Vidyanagar.
- Attended National conference on Science Meet 2019 on 6<sup>th</sup> January, 2019 at Shri Alpesh N.Patel P.G.Institute of Science and Research, Anand.

**Miss. Megha H. Patel**

- Presented paper entitled, “Transient photoresponse of Fe doped GeSe single crystal” in Student Conference on Optics and Photonics 2018 (SCOP-2018) organized during 4 – 6, 2018 at Physical Research Laboratory, Ahmedabad.

- Presented paper entitled, “IR photodetector based on Fe doped GeSe single crystal at National Research Scholar Meet on Condensed Matter Physics and Material Science (CMPMS – 18) on 8<sup>th</sup> December 2018 organized by Department of Physics, university School of Science, Gujarat University, Ahmedabad.

- Presented paper entitled, “Growth, characterization and photodetection properties of GeSe single crystals”, in Science Meet – 2019 on 6<sup>th</sup> January 2019 jointly organized by Gujarat Science Academy – VVN Chapter, Shri Alpesh N. Patel P. G. Institute of Science & Research, Anand and C. C. Patel Community Science Center (Sardar Patel University, VVN).

### **Mr. Abhishek B. Patel**

- Presented research work in the conference jointly organised by Gujarat science academy VVN chapter, Shri Alpesh N Patel P.G. Institute of science and research Anand and C C Patel community science centre (S P University VVN) on 6<sup>th</sup> Jan, 2019.

- Published an article entitled “Structural and electrical properties of SbxW<sub>1-x</sub>Se<sub>2</sub> (0, 0.5) ternary alloys” in the IOP journal (Material research express).

### **Mr. Ankurkumar J. Khimani**

- Published a Research Paper entitled “Synthesis, characterization of CuO nanostrips and ultrasonic study of CuO-transformer oil nano fluids,” *Mater. Res. Express*, vol. 6, p. 045051, 2019. <https://doi.org/10.1088/2053-1591/aafc4c>. (IOP Science).
- Published a Research Paper entitled “Study of indium and antimony incorporation into SnS<sub>2</sub> single crystals,” *J. Cryst. Growth*, vol. 507, no.

September 2018, pp. 180–188, 2018. <a href="https://doi.org/10.1016/j.jcrysgro.2018.11.016">https://doi.org/10.1016/j.jcrysgro.2018.11.016</a> . (ELSEVIER).
<ul style="list-style-type: none"> <li>• Published a Research Paper entitled “Cadmium sulphide (CdS) thin films deposited by chemical bath deposition (CBD) and dip coating techniques - A comparative study,” <i>Mater. Res. Express</i>, vol. 5, no. 3, p. 36406, 2018. <a href="http://dx.doi.org/10.1088/2053-1591/aab28d">http://dx.doi.org/10.1088/2053-1591/aab28d</a>. (IOP Science)</li> </ul>
<ul style="list-style-type: none"> <li>• Published a Research Paper entitled “Chemical bath deposited and dip coating deposited CuS thin films - Structure, Raman spectroscopy and surface study,” <i>AIP Conf. Proc.</i>, vol. 1961, 2018. <a href="https://doi.org/10.1063/1.5035214">https://doi.org/10.1063/1.5035214</a>.</li> </ul>
<ul style="list-style-type: none"> <li>• Published a Research Paper entitled “Thermal decomposition study of manganese sulfide (MnS) nanoparticles,” <i>AIP Conf. Proc.</i>, vol. 1953, 2018. <a href="https://doi.org/10.1063/1.5032532">https://doi.org/10.1063/1.5032532</a>.</li> </ul>
<ul style="list-style-type: none"> <li>• Published a Research Paper entitled “Alloy engineering to promote photodetection in <math>\text{In}_x\text{Sn}_{1-x}\text{S}_2</math> and <math>\text{Sb}_x\text{Sn}_{1-x}\text{S}_2</math> ternary alloys,” <i>Mater. Lett.</i>, vol. 236, pp. 1–7, 2018. <a href="https://doi.org/10.1016/j.matlet.2018.10.102">https://doi.org/10.1016/j.matlet.2018.10.102</a>. (ELSEVIER)</li> </ul>
<ul style="list-style-type: none"> <li>• Published a Research Paper entitled “Transformer oil degradation study by chromatograph,” <i>Petroleum and Coal</i>, vol 60(5), 872-878, 2018. <u>ISSN 1337-7027</u>.</li> </ul>
<ul style="list-style-type: none"> <li>• Published a Research Paper entitled “Synthesis, characterization and antimicrobial study of wet chemical synthesized <math>\text{CuInSe}_2</math> nanoparticles,” <i>Nano-Structures and Nano-Objects</i>, vol. 16, pp. 200–208, 2018. <a href="https://doi.org/10.1016/j.nanoso.2018.07.002">https://doi.org/10.1016/j.nanoso.2018.07.002</a>. (ELSEVIER)</li> </ul>
<ul style="list-style-type: none"> <li>• Attended National conference on Science Meet 2019 on 6<sup>th</sup> January, 2019 at Shri A.N.Patel P.G.Institute of Science and Research, Anand.</li> </ul>
<b>Mr. Chetan K. Zankat</b>
<ul style="list-style-type: none"> <li>• Published a Research Paper Entitled “Alloy engineering for enhanced photodetection in <math>\text{V}_x\text{Sn}_{1-x}\text{Se}_2</math> ternary crystals” in <i>Material letters</i> (March – 2018).</li> </ul>

- Published a Research Paper Entitled “Tuning of photodetection properties of  $V_{0.5}Sn_{0.5}Se_2$  ternary alloy” in Material research express (May – 2018).

- Published a Research Paper Entitled “Promoting photoresponse of resistive detector based on  $V_{0.15}Sn_{0.85}Se_2$  ternary alloy” in Material science in semiconductor processing (Dec – 2018).

- Published a Research paper Entitled “Giant Humidity Responsiveness of  $WSe_2$  nanosheets for novel electronic listening and touchless positioning interface” in Journal of material science: materials in electronics (Jan-2019).

- Published a Research Paper Entitled “High performance humidity sensor based on  $V_{0.5}Sn_{0.5}Se_2$  ternary alloy” in Journal of material science: materials in electronics (February – 2019). DOI : 10.1007/s10854-019-00907-y.

- Attended National conference on Science Meet 2019 on 6<sup>th</sup> January, 2019 at Shri A.N.Patel P.G.Institute of Science and Research, Anand.

### **Mr. Mohit R. Tannarana**

- Published a Research paper Entitled “Influence of alloy engineering on structural and photo detection properties of  $Sb_xSn_{1-x}Se_2$  ternary alloys” in Applied Surface Science-Elsevier. (Aug-2018)

- Research paper accepted for publication Entitled “Effect of off-stoichiometry on properties of tin selenide crystals” in Bulletin of material science- springer. (Sept.-2018)

- Published a Research Paper Entitled “Promoting photoresponse of resistive detector based on  $V_{0.15}Sn_{0.85}Se_2$  ternary alloy” in Material science in semiconductor processing (Dec – 2018).

- Published a Research paper Entitled “Giant Humidity Responsiveness of  $WSe_2$  nanosheets for novel electronic listening and touchless positioning interface” in Journal of material science: materials in electronics (Jan-2019)

- Published a Research Paper Entitled “High performance humidity sensor based on  $V_{0.5}Sn_{0.5}Se_2$  ternary alloy” in Journal of material science: materials in electronics (February – 2019). DOI : 10.1007/s10854-019-00907-y

- Oral presentation on the topic of “Alloy Engineering in  $Sb_xSn_{1-x}Se_2$  ternary alloys to promoting photo-detection properties” in Science Meet – 2019 on 6<sup>th</sup> January 2019 Jointly organized by Gujarat Science Academy – VVN Chapter, Shri Alpesh N. Patel P. G. Institute of Science & Research, Anand and C. C. Patel Community Science Center (Sardar Patel University, VVN).

### **Mr. Johnson George**

- Shri Johnson George cleared UGC-CSIR NET examination & got registered for Ph.D at Department of Mathematics, Sardar Patel University.

### **Mr. Mahendrakumar N. Dabhi**

- Shri Mahendra Dabhi attended international conference on Banach Algebras, Harmonic Analysis & Operator Theory held at the Department of Mathematics, Sardar Patel University during 20-22 November 2018.

### **Mr. Uday S. Patel**

- Shri Uday Patel cleared GSET examination.