

# Curriculum Vitae

## Dr. Dhaval T Patel

A/8, Govardhan Park Soc,  
Opp- St. Mark's Higher Secondary School,  
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M.Sc., M.Phil., Ph.D.

Gujarat SET (2018), ASRB-NET (2015)

### **Objective:-**

To be member of good scientific community where “Innovation is meaning of Life”, motivation is “Progress through Learning” and “There is always a better way of doing things” is the common belief. To helps the society through scientific temperament.

### **Educational Qualification**

Examination	University	Year of Passing	Result	Class Obtain
Ph.D. Biochemistry	Sardar Patel University, Vallabh Vidaynagar	July-2020 (Date of Notification: 18/07/2020; No: 2565)		
M.Phil. Microbiology	Vinayaka Mission University, Salem	March-2010	60.00	First
M.Sc. Microbiology	Sardar Patel University, Vallabh Vidaynagar	May-2008	57.90	Second
PGDMLT	Sardar Patel University, Vallabh Vidaynagar	June-2006	61.87	First
B.Sc. Microbiology	Veer Narmad South Gujarat University, Surat	April-2005	61.11	First
H.S.C	Gujarat State Education Board, Gandhinagar	April-2002	41.85	Pass
S.S.C.	Gujarat State Education Board, Gandhinagar	March-2000	78.71	First

### **Achievement-**

- **Gujarat State Eligibility test (GSET)** in discipline of **Life Sciences** organized by Maharaja Sayajirao University of Baroda, on 30<sup>th</sup> September, **2018** Accredited by UGC, New Delhi, India.
- **National Eligibility Test (NET)** in discipline of **Agricultural Microbiology**, organized by **Agricultural Scientist Recruitment Board (ASRB), Indian Council of Agricultural Research (ICAR), New Delhi** on 8<sup>th</sup> December, **2015** recognized by UGC and CSIR, New Delhi, India.

### **Teaching Experience-**

Sr. No.	Institute	Date		Duration	Nature of Job
		From	To		
1	Shree P.M.Patel Institute of Biosciences. SPU.VVN. Anand	3 <sup>rd</sup> July, 2008	12 <sup>th</sup> December, 2009	1 year and 5 month	Academic
2	Shree Ramkrishna Institute of Computer Education and Applied Sciences, VNSGU, Surat	14 <sup>th</sup> December 2009	31 <sup>st</sup> March, 2011	1 year and 4 month	Academic
3.	Shree P.M.Patel Institute of P.G.Studies and Research in Sciences, SPU,VVN	4 <sup>th</sup> June, 2011	31 <sup>st</sup> December, 2013	2 year and 7 month	Academic
4.	Chroter Institute of Paramedical Science, Charusat, Changa	1 <sup>st</sup> June 2017	31 <sup>st</sup> December, 2017	6 Month	Visiting Faculty
5	Post graduate Department of Biosciences, Sardar Patel University, Vallabh Vidyanagar	1 <sup>st</sup> August, 2019	Till Date	(31/5/2021)	Adhoc Assistant Professor
<b>Total Teaching time</b>				<b>7 Years &amp; 9 month</b>	

### **Research Experience**

- [1]. **M.Sc. Dissertation ( Six Month)** on the topic entitled “ Study on alkaline proteases: Isolation, optimization and characterization” at Ashok and Rita Patel Institute of Integrated Studies and Research in Biotechnology and Allied Sciences, Sardar Patel University, Anand
- [2]. **M.Phil. Research work (One year)** on the topic entitled “ Certain Studies on cellulose: Isolation, Partial Optimization and Reusability of Immobilized fungus for production” at Shree P.M.Patel Institute of P.G. Studies and Research in Sciences, SPU,VVN
- [3]. Junior Research fellow [**JRF**] and Senior Research Fellow [**SRF**] (From 16/03/2017 to 30/07/2019; **2 years and 4 months**) on the topic “Micropropagation of *Ailanthus excelsa* RoxB-A Multipurpose tree” at Post Graduate Department of Biosciences, SPU,VVN.

### **Skills**

Isolation, cultivation and preservation of bacterial culture, Enzyme kinetics, HPTLC, PCR, Electrophoresis, Native-PAGE, FTIR and SDS-Page, RAPD, BLAST and Phylogenetic tree generation, Molecular Biology Techniques; Immobilization techniques, Spectrophotometer, Plant Tissue Culture Techniques

### **Awards**

- [1]. GSBTM-JRF and SRF on project entitled “Micropropagation of *Ailanthus excelsa* RoxB.-A Multipurpose tree” sponsored by Gujarat state biotechnology mission, Gandhinagar
- [2]. Best Poster Award in NCRIS-2018 sponsored by School of Sciences, RK University, Rajkot in 19th and 20th January 2018.

### ***Work as Resource Person:***

I have works as member of Registration committee in UGC sponsored National conference on “Current Trends in Biological Sciences-V” on 15<sup>th</sup> February, 2020, organized by Post Graduate Department of Biosciences, Centre of Advanced Study, Sardar Patel University, Vallabh vidyanga, Anand, Gujarat.

### ***Invited Lecture***

I have delivered a lecture on “Pedigree analysis, Tetrad analysis and Recombination frequency” for Competitive Examination Preparation Cell (CEPC), organized at Charotar Institute of Paramedical Sciences, Charotar University of Science and Technology, Changa, Petlad, Anand, Gujarat, India on 15<sup>th</sup> February, 2019.

### ***Refresher course***

Science Academies’ Refresher Course on “Experimental Approaches to Molecular Microbiology and Cell Biology” during 20<sup>th</sup> November 2017 to 2<sup>nd</sup> December, 2018 organized at School of Life Sciences, Manipal University, Manipal, Karnataka

### ***Industrial Training***

- [1]. One month industrial training on “Certain microbial testing techniques used in microbiological laboratory” at Norris Medicin Ltd., Ankleshwar Gujarat.
- [2]. One year worked as Scientific Officer at Desai Metropolice, Athwalines Surat.

### ***Faculty Development Program:***

- [1]. One week Online Faculty Development Program on “**Research Methodology**” organized by P P Savani University, School of Sciences, Surat, held during 5<sup>th</sup> – 11<sup>th</sup> October 2020.

### ***Personal Details***

**Full Name:** Dr. Dhavalkumar Thakorbbhai Patel

**Birth Date:** 14<sup>th</sup> February, 1985

**Gender:** Male

**Nationality:** Indian

**Language Known:** Gujarati, Hindi, English

**Cast:** Hindu Talpda Koli (SEBC)

**Marital Status:** Married

**Hobbies:-** Music, Painting, Sports, Journey

**Computer Knowledge:** Microsoft Office, Networking,

***Declaration:-***

I solemnly declare and affirm that the information given above is true of my knowledge.

**Thanking You,  
Yours Sincerely**

**Dr. Dhaval Patel**

## Other Details

### **Publication**

- [1]. **Dhaval Patel**, Jyoti Solanki, Snehal Ingale and M Nataraj (2021) “Optimization of production parameters and application of glycoprotein produced from *Sphingobacterium thalpophilum* DP9” *Vegetos*. <https://doi.org/10.1007/s42535-021-00296-w>
- [2]. Jyoti Solanki, **Dhaval Patel\***, Kamlesh Patel and M. Nataraj (2021) “Chapter-10: Production of biosurfactant using agroindustrial waste as substrate” in Editor Inamuddin and Charles Adetunji (Ed.) “ Green Sustainable Process for chemical and environmental engineering and science: Biosurfactants for the bioremediation of polluted environments”; pp: 185-210. <https://doi.org/10.1016/B978-0-12-822696-4.00012-7>
- [3]. **Dhaval Patel\***, Jyoti Solanki, Kamlesh Patel and M. Nataraj (2021) “Chapter-13: Application of Biosurfactants as antifouling agent” in Editor Inamuddin and Charles Adetunji (Ed.) “ Green Sustainable Process for chemical and environmental engineering and science: Biosurfactants for the bioremediation of polluted environments”; pp: 275-289. <https://doi.org/10.1016/B978-0-12-822696-4.00004-8>
- [4]. **Dhaval Patel\***, Khushbu Koriya, Pinkal Patel, Jyoti Solanki, Suresh Mesara, M Nataraj (2020) “Antibiotic sensitivity and RAPD-PCR studies on cultivable gut bacteria from Indina Medicinal Leech- *Hirudinaria granulosa*” *The Journal of Basic and Applied Zoology*; 81(9): 1-12 <https://doi.org/10.1186/s41936-020-00143-5>
- [5]. **Dhaval Patel** and M Nataraj\* (2018) “ Callus induction in *Ailanthus excelsa* RoxB.- A Multipurpose tree” *International Journal of Scientific research and Reviews*; 7(1); 116-129.
- [6]. **Dhaval Patel\*** and M Nataraj (2016) “Study of biosurfactant producing bacteria and preliminary characterization of biosurfactant produce by *Bacillus* species isolated from petroleum contaminated soil; *Journal of Microbiology, Biotechnology and Food Sciences*; 6(2) : 823 – 827 [DOI 10.15414/jmbfs.2016.6.2.823-82](https://doi.org/10.15414/jmbfs.2016.6.2.823-82)

### Seminar, Symposium and Conferences (attended)

1. One day **State Level seminar** on “ **Human heritage: Our genome and stem cells**” Organized by Department of Microbiology and Biochemistry, Faculty of Science, Maharaja Sayajirao University, Baroda under Society of Biological chemist (India) Baroda Unit on **1<sup>st</sup> October, 2006**.
2. One day **State Level seminar** on “ **New Horizons in Biological Sciences**” Organized by Natubhai V Patel College of Pure and Applied Sciences, Sardar Patel University, Vallabh vidynagar, Anand under Gujarat state biotechnology mission (GSBTM), Gandhinagar, Gujarat, India on **24<sup>th</sup> September, 2007**.

3. One day **National Level seminar** on “ **Recent advances in applied sciences (RAAS)**” sponsored by GSBTM, Gandhinagar at Shri Alpesh N. Patel Postgraduate Institute, Charota Education Society, Anand (Gujarat, India) o **8<sup>th</sup> March, 2013.**
4. One day **National symposium** on “**Microbial Biotechnology: Advance and Future trends-2014**” sponsored by DST (New Delhi), GSBTM (Gandhinagar) and CVM (Vvn, Anand) organized by Natubhai V. Patel college of pure and applied sciences, Vallabh Vidyanagar, Anand (Gujarat, India) on **26<sup>th</sup> February, 2014**
5. Two day **National Level Conference** on “ **Current Tends in Biological Sciences-CTBS, 2017**” Organized by Post Graduate Department of Biosciences, Sardar Patel University, vallabh vidyanagar under Department of Science and Technology (Delhi), GSBTM (Gandhinagar) and University Grant Commission (New Delhi, India) on **19<sup>th</sup> and 20<sup>th</sup> February, 2017.**
6. Two day **National Level Conference** on “ **Recent Innovations in Science-2018**” Organized by School of Sciences, RK University, Rajkor, India under Gujarat Council of Science and Technology and Center for Professional Development on **19<sup>th</sup> and 20<sup>th</sup> January, 2018.**
7. One day **National Level Conference** on “ **Current Tends in Biological Sciences-CTBS-II, 2018**” Organized by Post Graduate Department of Biosciences, Sardar Patel University, vallabh vidyanagar under Department of Science and Technology (Delhi), GSBTM (Gandhinagar) and University Grant Commission (New Delhi, India) on **9<sup>th</sup> February, 2018.**
8. One day **National Level Conference** on “ **Current Tends in Biological Sciences-CTBS-III, 2019**” Organized by Post Graduate Department of Biosciences, Sardar Patel University, vallabh vidyanagar under Department of Science and Technology (Delhi), GSBTM (Gandhinagar) and University Grant Commission (New Delhi, India) on **11<sup>th</sup> February, 2019.**
9. STI connection forum at University for R&D proposals on Sate Priority areas of S&T and BT organized at Sardar Patel University, Vallabh Vidyanagar, Anand (India) on 17<sup>th</sup> January, **2020** sponsored by DST.

#### Workshop (attended)

1. Workshop on “ **Molecular biology worksphope-2011**” organized by M.G.Science Institute, Navrangpura, Ahmedabad under DBT-Star college scheme collaboration with Chromus Biotech, Bangalore, on 3<sup>rd</sup> March, 2011 to 5<sup>th</sup> March, **2011.**
2. Workshop on “ **Research Methodology**” organized by Shri RamKrishna institute of Computer education and Applied Sciences, Surat under Sarvajanic Education Society, Surat ( Gujarat, India) on 4<sup>th</sup> April, **2011.**
3. Workshope on “ **Science Writing**” organized by IISER, Pune ( Maharashtra, India) under Department of Biotechnology, Genetics and Bioinformatics, New Delhi, India from 2<sup>nd</sup> November to 14<sup>th</sup> November, **2017.**
4. Workshop on “**HPLC and GC-MS**” held at sophisticated Instrumentation Center for Applied Research and Testing (SICART), Vallabh vidyanagar (Anand, Gujarat, India) on 12<sup>th</sup> and 13<sup>th</sup> July, **2018.**

5. Workshop on “ **Multi-Omics data interpretation (Phase-I)**” organized by Natubhai V. Patel college of Pure and Applied Sciences, vallabh vidyangan Anand, Gujarat, India on 21<sup>st</sup> and 22<sup>nd</sup> December, **2018**.

### **Poster Presentation**

1. Poster on “**Partial characterization of biosurfactant produced from *Bacillus* spp. Isolated from automobile workshop soil**” at Post Graduate Department of Biosciences, Center of Advanced Studies, Sardar Patel University, under DST (New Delhi), GSBTM (Gandhinagar) and UGC (New Delhi, India) on 19<sup>th</sup> and 20<sup>th</sup> February, **2017** in **National Level Conference**.
2. Poster on “ **Callus Indication in *Ailanthus excelsa* Roxb.- A Multipurpose tree**” (**BEST POSTER AWARIES**) at School of Sciences, RK University, Rajkot under Center for Professional Development and Gujarat Council on Science and Technology on 19<sup>th</sup> and 0<sup>th</sup> January, **2018** in **National Level Conference**.
3. Poster on “ **Plant growth promoting activity of *Sphingobacterium thalpophilum* DP9**” at Post Graduate Department of Biosciences, Center of Advanced Studies, Sardar Patel University, under DST (New Delhi), GSBTM (Gandhinagar) and UGC (New Delhi, India) on 9<sup>th</sup> February, **2018** in **National Level Conference**.
4. Poster on “ **Callus induction from *in-vitro* seedlings of *Ailanthus excelsa* Roxb.**” at Department of Botany, Maharaja Sayajirao University, Baroda under Indian Association for Angiosperm Taxonomy, DST, CSIR, New delhi, India on 29<sup>th</sup> to 31<sup>st</sup> October, **2018** in **International Symposium**.
5. Poster on “ ***Sphingobacterium thalpophilum* DP9- A novel plant growth promoting species isolated from automobile workshop soil**” at RK University, Rajkot under Center for Professional Development and Gujarat Council on Science and Technology on 18<sup>th</sup> and 19<sup>th</sup> January, **2019** in **National Level Conference**.
6. Poster on “ **Effect of cytokinins on shoot induction from nodal explant of *Ailanthus excelsa* Roxb.**” at Shree M and N Virani Science college (Autonomous), Rajkot on 21<sup>st</sup> February, **2019** in **National Level Seminar**.

### **Oral Presentation:**

1. Oral Presentation on “**Optimization of production parameter and application of glycoprotein produced from *Sphingobacterium thalpophilum* DP9**” at Post Graduate Department of biosciences, Sardar Patel University, Vallabh vidyanagar, Anand, on 15<sup>th</sup> February, 2020 in **National Level Seminar ( Current Trends in Biological Sciences, CTBS-V, 2020)**.