

**Correspondence:** 19, Shiv Namah-1, Near  
Vinayaka Institute, Bakrol-  
Vadtal Road, Bakrol-  
388315, Anand, Gujarat,  
India



## Parth Thakor, M.Sc., Ph.D.

Email address: [parththakor.cips@charusat.ac.in](mailto:parththakor.cips@charusat.ac.in)  
[parth7218@gmail.com](mailto:parth7218@gmail.com)

*Career Objectives:* To work in a dynamic and challenging environment that offers professional growth.

### Work Experience (Teaching and Research) (3.5 Years Teaching, 6 Years Research)

*October 2021 – Present (07 Months)* Assistant Professor, B. D. Patel Institute of Paramedical Sciences, Charotar University of Science and Technology, Changa, Gujarat.

*November 2020-October 2021 (11 Months)* Post-doctoral Research Associate, Gujarat Biotechnology Research Centre, Gandhinagar, Gujarat.

*August 2019- November 2020 (1.3 Years)* Assistant Professor (Adhoc), (Biotechnology), P. G. Department of Biosciences, Sardar Patel University, Gujarat.

*August 2019- November 2020 (1.3 Years)* Visiting Faculty, Indukaka Ipcowala Centre of Interdisciplinary Science and Technology, Sardar Patel University, Gujarat.

*June 2018 – August 2019 (1.2 Years)* Assistant Professor, B.N. Patel Institute of Paramedical Science, Sardar Patel University, Anand, Gujarat.

*January 2018 – June 2018 (06 Months)* Lecturer (Adhoc), Anand Homeopathic Medical College and Research Institute, Sardar Patel University, Gujarat.

*November 2017-January 2018 (03 Months)* Lecturer, Dr. I. P. Patel Institute of Medical Technology and Research, Sardar Patel University, Gujarat.

*November 2015- September 2017 (1.10 Years)* DST-INSPIRE Senior Research Fellow (SRF), P. G. Department of Biosciences, Sardar Patel University, Gujarat.

*May 2015- November* Endeavour Research Fellow, Center for Kidney Disease Research, UQ School of Medicine, The University of Queensland, Australia.

- 2015 (06  
Months)  
May 2013- DST-INSPIRE Junior Research Fellow (JRF), P. G. Department of Biosciences,  
April 2015 (2 Sardar Patel University, Gujarat.  
Years)  
April 2012- Project Assistant, P. D. Patel Institute of Applied Sciences, Charotar  
December University of Science and Technology, Changa, Gujarat.  
2012 (09  
Months)

## Research Publications and Book Chapters:

- 2013 1. Pinakin Dhandhukia, Dweipayan Goswami, Parth Thakor, Janki Thakker. Soil property apotheosis to corral the finest compressive strength of unbaked adobe bricks. *Construction and Building Materials*. (2013); 48; 948-953.
- 2015 1. Jugal V. Mehta, Sanjay B. Gajera, Parth Thakor, Vasudev R. Thakkar, Mohan N. Patel. Synthesis of 1,3,5-trisubstituted pyrazoline derivatives and their applications. *RSC Advances*. (2015); 5(104); 85350-85362.  
2. Sharad C. Karad, Vishal B. Purohit, Dipak K. Raval, Piyush N. Kalaria, Jemin R. Avalani, Parth Thakor, Vasudev R. Thakkar. Green synthesis and pharmacological screening of polyhydroquinoline derivatives bearing fluorinated 5-aryloxy pyrazole nucleus. *RSC Advances*. (2015); 5(21); 16000-16009.  
3. Ravi R. Patel, Disha D. Patel, Parth Thakor, Bhavika Patel, Vasudev R. Thakkar. Alleviation of salt stress in germination of *Vigna radiata* L. by two halotolerant *Bacilli* sp. isolated from saline habitats of Gujarat. *Plant Growth Regulation*. (2015); 76(1); 51-60.
- 2016 1. Parth Thakor, Japan B. Mehta, Ravi R. Patel, Disha D. Patel, Ramalingam B. Subramanian, Vasudev R. Thakkar. Extraction and purification of phytol from *Abutilon indicum*: cytotoxic and apoptotic activity. *RSC Advances*. (2016); 6(54); 48336-48345.  
2. Parth Thakor, Dweipayan Goswami, Janki N. Thakker, Pinakin Dhandhukia. Idiosyncrasy of local fungal isolate *Hypocrea rufa* strain P2: Plant growth promotion and Mycoparasitism. *Journal of Microbiology, Biotechnology and Food sciences*. (2016); 5(6); 593-598.  
3. Tekalign Kejala, Vasudev R. Thakkar, Parth Thakor. *Bacillus* species (BT42) isolated from *Coffea arabica* L. rhizosphere antagonizes *Colletotrichum gloeosporioides* and *Fusarium oxysporum* and also exhibit multiple plant growth promoting activity. *BMC Microbiology* (2016); 16(1), 277.  
4. Sanjay B. Gajera, Jugal V. Mehta, Parth Thakor, Vasudev R. Thakkar, Piyushkumar C. Chudasama, Jagdish S. Patel, Mohan N. Patel. Half-sandwich iridium III complexes with pyrazole substituted heterocyclic frameworks and their biological applications. *New Journal of Chemistry*. (2016); 40(12), 9968-9980.  
5. Sharad C. Karad, Vishal B. Purohit, Parth Thakor, Vasudev R. Thakkar, Dipak K. Raval. Novel morpholinoquinoline nucleus clubbed with pyrazoline scaffolds: Synthesis, antibacterial, antitubercular and antimalarial activities. *European Journal of Medicinal Chemistry*. (2016); 112; 270-279.

- 2017 1. Parth Thakor, Ramalingam B. Subramanian, Sampark S. Thakkar, Arabinda Ray, Vasudev R. Thakkar. Phytol induces ROS mediated apoptosis by induction of caspase 9 and 3 through activation of TRAIL, FAS and TNF receptors and inhibits tumor progression factor Glucose 6 phosphate dehydrogenase in lung carcinoma cell line (A549). *Biomedicine & Pharmacotherapy*. (2017); 92, 491-500.
2. Parth Thakor, Wenzhe Song, Ramalingam B. Subramanian, Vasudev R. Thakkar, David A. Vesey, Glenda C. Gobe. Maslinic Acid Inhibits Proliferation of Renal Cell Carcinoma Cell Lines and Suppresses Angiogenesis of Endothelial Cells. *Journal of Kidney Cancer and VHL*. (2017); 4(1), 16-24.
3. Nirav H. Sapariya, Beena K. Vaghasiya, Rahul P. Thummar, Ronak D. Kamani, Kirit H. Patel, Parth Thakor, Sampark Thakkar, Arabinda Ray, Dipak K. Raval. Synthesis, characterization, in silico molecular docking study and biological evaluation of 5-(phenylthio) pyrazole based polyhydroquinoline core moiety. *New Journal of Chemistry*. (2017); 41(19), 10686-10694.
4. Sampark S. Thakkar, Parth Thakor, Arabinda Ray, Hiren Doshi, Vasudev R. Thakkar. Benzothiazole analogues: synthesis, characterization, MO calculations with PM6 and DFT, in silico studies and in vitro antimalarial as DHFR inhibitors and antimicrobial activities. *Bioorganic & Medicinal Chemistry*. (2017); 25(20), 5396-5406.
5. Sampark S. Thakkar, Parth Thakor, Hiren Doshi, Arabinda Ray. 1, 2, 4-triazole and 1, 3, 4-oxadiazole analogues: synthesis, MO studies, in silico molecular docking studies, antimalarial as DHFR inhibitor and antimicrobial activities. *Bioorganic & Medicinal Chemistry*. (2017); 25(15), 4064-4075.
6. Sharad C. Karad, Vishal B. Purohit, Rahul P. Thummar, Beena K. Vaghasiya, Ronak D. Kamani, Parth Thakor, Vasudev R. Thakkar, Sampark S. Thakkar, Arabinda Ray, Dipak K. Raval. Synthesis and biological screening of novel 2-morpholinoquinoline nucleus clubbed with 1, 2, 4-oxadiazole motifs. *European Journal of Medicinal Chemistry*. (2017); 126, 894-909.
- 2018 1. Wenzhe Song, Parth Thakor, David A. Vesey, Glenda C. Gobe, Christudas Morais. Conditioned medium from stimulated macrophages inhibits growth but induces an inflammatory phenotype in breast cancer cells. *Biomedicine & Pharmacotherapy*. (2018); 106, 247-254.
- 2020 1. Parth Thakor, Sampark S. Thakkar, Ramalingam B. Subramanian, Vasudev R. Thakkar. Cytotoxic, apoptosis inducing effects and anticancerous drug candidature of Jasmonates. (2020); *Drug Development for Cancer and Diabetes-A Path to 2030*, 111-127, Apple Academic Press, USA.
- 2021 1. Ranjan Kr Giri, Sunil Chaki, Ankurkumar J Khimani, Yati H Vaidya, Parth Thakor, Anjali B Thakkar, Swati J Pandya, Milind P Deshpande. Biocompatible CuInS<sub>2</sub> Nanoparticles as Potential Antimicrobial, Antioxidant, and Cytotoxic Agents. *ACS Omega*. (2021); 6(40), 26533-26544.
2. Sampark S Thakkar, Foram Shelat, Parth Thakor. Magical bullets from an indigenous Indian medicinal plant *Tinospora cordifolia*: An in silico approach for the antidote of SARS-CoV-2. *Egyptian Journal of Petroleum*. (2021); 30(1), 53-66.

3. Ravikumar R Patel, Disha D Patel, Jaimika Bhatt, Parth Thakor, Lindsay R Triplett, Vasudev R Thakkar. Induction of pre-chorismate, jasmonate, and salicylate pathways by Burkholderia sp. RR18 in peanut seedlings. Journal of Applied Microbiology. (2021); 131(3), 1417-1430.

4. Dipti Namera, Sampark S. Thakkar, Parth Thakor, Umed Bhoya, Anamik Shah. Arylidene analogues as a selective COX-2 Inhibitors: Synthesis, Characterization, in silico and in vitro studies. Journal of Biomolecular Structure and Dynamics. (2021); 39(18), 7150-7159.

### **Educational Qualifications:**

2020-2021 Post-Doctoral Research Associate, Gujarat Biotechnology Research Centre, Gandhinagar, Gujarat.

2013- 2017 Ph.D. Biotechnology, Post Graduate Department of Biosciences, Sardar Patel University, Vallabh Vidyanagar, Gujarat.

2006 - 2011 M.Sc. (Integrated) Biotechnology with specialization in Industrial Biotechnology, Sardar Patel University, Vallabh Vidyanagar, Gujarat.

### **Awards, Certification & Fellowships:**

December 2018 Qualified Gujarat State Eligibility Test (GSET) for Assistant Professor in the Subject of Life Science.

January 2017 Best Poster award at 2nd UGC National Conference on Current Trends in Biological Sciences at Sardar Patel University, Vallabh Vidyanagar.

March 2016 Best poster award in National Symposium on Exploring Recent Advances in Biological Sciences at Sardar Patel University, Vallabh Vidyanagar.

June 2015 DST-INSPIRE Fellowship (Senior Research Fellow)

May 2015 Endeavour Research Fellowship for short-term research in Australia at School of Medicine, University of Queensland.

May 2013 DST-INSPIRE fellowship (Junior Research Fellow).

December 2011 Secured first position in University during Integrated M.Sc.

July 2008, 2009, 2010 CVM ranker Scholarship for the academic year.

January 2010 Third prize in poster competition in National Symposium on Biotechnology Led Paradigm Shift at ARIBAS, New Vallabh Vidyanagar.

September 2008 First prize in poster competition in State Level Seminar on Current Trends in Environmental Sciences at N. V. Patel College of pure and applied sciences, Vallabh Vidyanagar.

July 2008 Second prize in General Awareness Quiz Competition organized by H. M. Patel Career Development Centre, Vallabh Vidyanagar.

February 2007 First prize in poster and model making competition on national science day held at ARIBAS, New Vallabh Vidyanagar.

### **Membership:**

2020 Life member of Vigyan Gurjari, Vibha.

### **Professional Recognitions:**

- Certificate of outstanding contribution in reviewing from Saudi Pharmaceutical Journal (ELSEVIER) in recognition of the contributions made to the quality of the journal.

- Certificate of reviewing from the Asian Pacific Journal of Tropical Biomedicine Journal (ELSEVIER) in recognition of the review contributed to the journal.
- Certificate of reviewing from Colloids and Surfaces B: Biointerfaces Journal (ELSEVIER) in recognition of the review contributed to the journal.
- Certificate of reviewing from Saudi Pharmaceutical Journal (ELSEVIER) in recognition of the review contributed to the journal.
- Certified Reviewer of various reputed international journals.
- A reviewer of Book Proposal from CRC Press.
- Certificate of Appreciation for Establishment of Animal Cell Culture facility and standardizing various bioassays at Indukaka Ipcowala Centre for Interdisciplinary Studies in Science and Technology, Sardar Patel University.
- Guest Faculty for the subject of Molecular Medicine, Clinical Biochemistry and Biomaterial and Tissue Engineering for M.Sc. Biomedical Sciences at Indukaka Ipcowala Centre for Interdisciplinary Studies in Science and Technology, Sardar Patel University.
- Certificate of Appreciation for the delivered the lecture on Basics of Cell Culture at the workshop on Animal Cell Culture and Flow Cytometry jointly organized by Gujarat Biotechnology Research Centre and Ahmedabad University from 27<sup>th</sup> September 2021- 1<sup>st</sup> October 2021.

### Official Administrative Roles:

- 2018 Organizing committee members for the National Conference on Myopia Control and Contact Lenses.
- 2020 Program committee member for National conference on Current Trends in Biological Sciences-V (CTBS-2020).
- 2021 Co-coordinator for the workshop on Animal Cell Culture and Flow Cytometry jointly organized by Gujarat Biotechnology Research Centre and Ahmedabad University from 27<sup>th</sup> September 2021- 1<sup>st</sup> October 2021.
- 2021-2023 NSS, Programme Officer, CIPS.
- 2022 Organizing committee members for A Colloquium of Immunology, Infection Biology and Vaccine Research at CHARUSAT
- 2022 Judge for quiz competition for undergraduate students at BDIPS, CHARUSAT

### Technical Skills:

- Cell Culture* Maintenance and growth of various cancer cell lines, normal cell lines and primary cell lines, Various cell biology assays and assays associated with apoptosis
- Molecular Biology* DNA and RNA isolation, PCR, Real-time PCR, Gene expression analysis, Absolute quantification by Real-time PCR, Agarose and Polyacrylamide Gel electrophoresis, SDS-PAGE, Western blot
- Computer skills* Graphpad Prism, SPSS, Schrodinger, EndNote, Mendeley, Windows and MS Office

### Skills & Activities:

- Interests* Indoor/Outdoor Sports, Travelling
- Language known* Gujarati Native mother tongue
- English Full Bilingual Proficiency
- Hindi Full Bilingual Proficiency

### Conferences, Workshops, Proceedings:

(Latest\*)

September- Co-coordinator for the workshop on Animal Cell Culture and Flow Cytometry  
October 2021 jointly organized by Gujarat Biotechnology Research Centre and Ahmedabad University from 27th September 2021- 1st October 2021.

March 2022 A Colloquium of Immunology, Infection Biology and Vaccine Research organised at CHARUSAT.

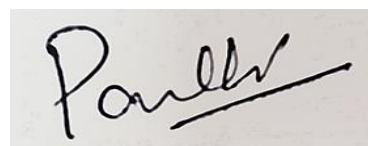
March 2022 Computational applications in secondary metabolite discovery (caismd) 2022

### Personal Details:

*Name* Parth Thakor  
*Father's Name* Lt. Mr. Kanubhai Thakor  
*DOB* 12 June 1989  
*Marital Status* Married  
*Citizen* Indian  
*Passport*  
*Permanent Address* 19, Shiv Namah-1, Near Vinayaka Institute, Bakrol-Vadtal Road, Bakrol-388315, Anand, Gujarat, India.

- ✓ I hereby declare that the information given herewith is correct to my knowledge
- ✓ Reference, recommendations and testimonials can be provided on request.

*Date:* 31-05-2022  
*Place:* Anand, Gujarat



(Signature)