

## Dr. Trupesh M. Pethani



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### Permanent Address:

112, Toral Park,  
B/H Alap Avenue,  
University road, Rajkot  
Gujarat, India

### Personal Details:

**Date of Birth** : February 4,  
1983

**Age** : 36

**Sex** : Male.

**Marital Status** : Married.

**Nationality** : Indian.

**Languages Known** : English  
Hindi,  
Gujarat

### Career Objective:

Due to important role of medicinal plant to produce and make a medicines, based on herbal drug formulation and need of global research and interest of global marketing in this field, it is necessary to do research & development of medicines and herbal drugs by the help of knowledge of medicinal plants and traditional pharmacy to discovery of new herbal drug formulation and screening of their biological activity and pharmacological action as well as standardizations of herbal drug and natural product applied in modern pharmaceutical science in international level.

### Education:

**2019:** Doctor of Philosophy (**Ph D.**), from Saurashtra University, Rajkot, Gujarat.

**2006-2008:** Master of Pharmacy (**M.Pharm**), specialization in Herbal Drug Technology from Saurashtra University, Rajkot, Gujarat. (**Aggregate score: 62.33 %**)

**2003-2005:** Bachelor of pharmacy, L.M. College of Pharmacy, Ahmedabad. Affiliated to Gujarat University, Gujarat. (**Aggregate score: 64.25 %**)

**2000-2002:** Diploma in pharmacy, L.M. College of Pharmacy, Ahmedabad. Affiliated to Gujarat University, Gujarat. (**Aggregate score: 67.50 %**)

### Current Work Experience:

**Job Title** : **Assosiate Professor**

**Organisation** : Saurashtra University

**Department** : Department of Pharmaceutical Sciences

### Area of Interest:

- Bioactive guided fractionation, standardization and screening of natural product.
- Screening of phytochemical for anticancer potential by different cytotoxicity assays
- Handling the laboratory animals and work in pharmacology laboratory.
- Method Development and Method Validation of analytical and Bio analytical Procedure
- Identification of Degradation pathway, identification and isolation of impurities

### Previous Experience:

- ❖ Six Years experience in Veeda Clinical Research Pvt. Ltd., Ahmedabad in bio analytical Department
- ❖ Five years experience in research at department of Pharmaceutical Sciences, Saurashtra University, Rajkot
- ❖ Two years nine months experience as a assistant professor at department of Pharmaceutical Sciences, Saurashtra University, Rajkot

### Book Publication :

- **Trupesh Pethani**, Mayuri Thumar, Chandrakumar Pashavan, Bioanalytical method for estimation of Verapamil and its Metabolite. Lambert publication, 2019, ISBN: 978-620-0-31673--8

### Paper Publication :

- Rajeshri D. Patel , Mihir K. Raval, **Trupesh M. Pethani**, Navin R. Sheth, (2020). Influence of eutectic mixture as a multi-component system in the improvement of physicochemical and pharmacokinetic properties of diacerein. Advanced Powder Technology (article in Press)
- Jayesh Hadia, **Trupesh Pethani**, Ashvin Dudhrejiya. (2019) Development of novel injectable formulation of clopidogrel by Qbd Approach, International Journal of Pharmaceutical Sciences and Research, 10-6: 3029-37
- **Trupesh Pethani**, Mayuri Thumar, Devendra Vaishnav, Ashvin Dudhrejiya. (2018) A Concise Study of Pharmacognostic and Antioxidant Potential of Stem bark from Bauhinia variegata Linn., Research Journal of Pharmacy and Technology, 11-8: 3250-56
- **Trupesh Pethani**, Ashvin Dudhrejiya Mayuri Thumar, Vishal Airao (2018) Antioxidant, Free Radical Scavenging and In Vitro Cytotoxic studies of Different Solvent Extracts from the Stem Bark of Bauhinia Variegata Linn., American journal of Pharmacy and Health Research, 6-2 : 49-64
- Sandip Bhimani, Gaurav Sanghvi, **Trupesh Pethani**, Gaurav Dave, Vishal Airao, Tejas Sharma, Navin Sheth, Devendra Vaishnav (2016) Development of the UV Spectrophotometric Method of Azithromycin in API and Stress Degradation Studies, International Letters of Chemistry, Physics and Astronomy,68: 48-53
- Jatin R. Patel, **Trupesh M. Pethani**, Ashish N. Vachhani, Navin R. Sheth, Ashvin V. Dudhrejiya (2014) Development and Validation of bioanalytical method for simultaneous estimation of ramipril and hydrochlorothiazide in human plasma using liquid chromatography-tandem mass spectrometry, Journal of Chromatography B, 970:53-59
- Kanani MK, **Pethani TM**, Gandhi SN.(2014) Marketing aspects of Biotechnological products in Developed ICH region – A Comparison, International journal of pharmaceutical research scholars, 3: 897-903
- Narechania Siddharth N, **Trupesh Pethani**, Navin R. Sheth.(2014) A Review on comparison of regulatory requirements to approved drug device combination products in Europe and USA, World journal of Pharmacy and Pharmaceutical Sciences, 3: 455-75

## Recognitions :

- Got **1st rank** in poster Presentation in SERB-DST sponsored Two days National seminar on “Multifunctional Nanoparticles for Tumor-targeted Delivery” organized by Department of Pharmaceutical Sciences, Saurashtra University, Rajkot
- Served as a **resource person** in one day hands on training on “Advanced Pharmacology Instruments” organized by Department of Pharmaceutical Sciences, Saurashtra University, Rajkot, Gujarat, India
- Served as a **resource person** in three days workshop entitled “Sophisticated analytical instrument handling” organized by Department of Pharmaceutical Sciences, Saurashtra University, Rajkot, Gujarat, India
- Served as **reviewer** in international conference on research and entrepreneurship (ICRE 2016) organized by RK University, Rajkot.
- Served as **Coordinator** of Department of Pharmaceuticals, Ministry of Chemicals and Fertilizers, Govt. of India sponsored one day national seminar on “Global Perspective on Medical Devices” organized by Department of Pharmaceutical Sciences, Saurashtra University, Rajkot, Gujarat, India.
- Served as **Coordinator** in IQAC, Saurashtra University sponsored three days national workshop on “Sophisticated Analytical Instrumental Handling” organized by Department of Pharmaceutical Sciences, Saurashtra University, Rajkot, Gujarat, India.
- Invited as a **Speaker** in two days refresher course for registered pharmacist held at Department of Pharmaceutical Sciences, Saurashtra University, Rajkot, Gujarat, India.
- Served as a **member of reviewer** in Multi-disciplinary international conference GTUICON 2019 in Pharmacy theme: “Quality Medicine for Patient care” organized by Gujarat technological University-Graduate school of Pharmacy, Ahmedabad.
- **Delivered an oral talk** in GUJCOST sponsored short term training program, “QbD: Academic and Industrial Perspective” organized by Department of Pharmaceutical Sciences, Saurashtra University, Rajkot.
- **Delivered a lecture** on “Introduction of various spectroscopic techniques” in Sophisticated analytical instrument handling, organized by Department of Pharmaceutical Sciences, Saurashtra University, Rajkot,
- Invited as a **Speaker** in two days refresher course for registered pharmacist held at Atmiya institute of Pharmacy, Atmiya University, Rajkot Gujarat, India.
- **Present a poster in international conference KSN 2019** and received travel grant (**1500 \$**) from the Korean Society of Nephrology at **Seoul, South Korea**.

## Research Project :

- **Co-principal investigator** in research project with a grant of Rs.5, 52,000/- sanctioned from GUJCOST on 28th March, 2016 (Letter No.: GUJCOST/MRP/2015-16/2683).  
Title of project: “Multiresidue Analytical Investigation of Selected Organophosphorus Pesticides in Vegetables and Fruits from Rajkot region using QuEChERS approach by Liquid Chromatography-Triple Quadrupole Mass Spectrometric Method and Minimizing its Dietary Exposure”.

### **Industrial Consultancy :**

- Various analytical consultancy work provided by Anlon Health research organization, Rajkot and other pharma companies.

### **Prize and Awards :**

- Received **Best Teacher award** by department of Pharmaceutical Sciences, Saurashtra University, Rajkot (2018).
- Selected by Saurashtra University for the work on **British Council internationalizing Higher Education and Knowledge economy partnership** and visit of five different University in London sponsored by British Council (2014).
- **Excellence Award** for better performance at Veeda Clinical Research Pvt. Ltd., Ahmedabad (2012).

### **Training, Seminar & Workshop:**

- Basic training on the principal and Implementation of good Laboratory Practices (GLP) organized by Veeda Clinical Research Pvt. Ltd. Ahmedabad at AMA.
- Training Program on Clinical Research and ICH-GCP guidelines held at AMA
- National Seminar on “Clinical Research” at Umrahn.
- National Seminar on “Emerging Trends in Medicinal Plants Based Pharmaceuticals” at Rajkot (2008).
- International Symposium on Herbal Medicine and 16th National convention of Indian Pharmacognosy Society (IPS), Seminar on “Frontiers of Drug Discovery in Herbal and Traditional Medicine” at Rajkot (2012).
- Basic Operator training on LC-MS/MS system held at AB Sciex training facility, Gurgaon, India (2013)
- Training on Strategic IPR and Patent management for Academic drug research held at B. K. Mody Government Pharmacy College, Rajkot (2013).
- National seminar on “Drug Regulatory Affairs in Emerging Pharma Market” at Rajkot (2014).
- National seminar on “Multifunctional Nanoparticles for Tumor-targeted Delivery” held at department of Pharmaceutical Sciences, Saurashtra University, Rajkot (2014).
- Faculty development Program on “Importance and Application of Solid State in Pharmaceutical Formulation” at Rajkot (2014).
- National Seminar on “Regulatory writing for the Pharmaceutical Medical Device, and Biotech Industries” held at New Vallabh Vidyanagar (2015).
- International seminar on “Cutting-Edge Pharmacology: Contemporary Issues and Future Challenges” & 48th annual conference of Indian Pharmacological Society at Rajkot (2015)
- National workshop on “Frontiers of NMR Spectroscopy: Nucleus to Nucleotides” held at Rajkot (2016).
- National seminar on “Bioavailability Enhancement: An Industry Desire and Regulatory Constraints” held at Rajkot (2016).
- Faculty development Program on “Current Trends in Drug Discovery and Development” at Rajkot (2014).
- National seminar on, Interpretation and Application of DoE in Pharmaceutical Research at Rajkot (2017).

- 22<sup>nd</sup> Convention of Society of Pharmacognosy and international conference on integrating ayurveda & Herbal drugs for next generation therapeutics & Supplements: Opportunities & Challenges held at Ganpant University, Mehasana, Gujarat (2018).
- Short term training Program on "QbD: Academic and international Perspective" at Rajkot (2018).
- The 39<sup>th</sup> annual Meeting of the Korean Society of Nephrology (KSN 2019), Seoul, South Korea.

### Technical Skills:

- Excellent knowledge of Analytical Techniques.
- Laboratory experience of use of LC-MS/MS, GC-MS/MS, UV spectroscopy, HPLC, Preparative HPLC, Infrared Spectroscopy, HPTLC etc.
- **IT Skills:** Proficient Internet research-Knowledge database and fully competent with all aspects of Microsoft Office.
- **Team working:** Experience of working in-group during academic projects, and various projects during current Job.
- Co-ordination, commitment and customer orientation.
- Time Consciousness.
- Good Documentation

### References :

**Dr. N.R. Sheth**  
Vice chancellor,  
Gujarat Technological University,  
Ahmedabad - 382424

**Dr. Mihir K. Raval**  
Head of Department,  
Department of Pharmaceutical  
Sciences,  
Saurashtra University,  
Rajkot – 360 0005.

**Dr. Ashvin V. Dhudhrejiya,**  
Head, of Department, (GES Class I),  
B. K. Mody Government Pharmacy  
College,  
Rajkot – 360003