

**Department Name: Pharmaceutical Chemistry and Analysis**

**Name: Dr. Usmangani K Chhalotiya**

**Designation: Associate Professor**

**Email ID: usmangani84@gmail.com**



**Qualification Specialization: M. Pharm, Ph. D**

**Experience:**

**i) Academic Experience: 12. 7 years**

**ii) Industrial Experience: 6 Months**

**iii) Research Experience: 10.7 Years**

➤ **Publications (Books/Research & Review Manuscripts):**

**National:**

1. **Usmangani K. Chhalotiya**, Kashyap K. Bhatt *et al.* "Liquid Chromatographic Method for the estimation of Donepezil Hydrochloride in a Pharmaceutical Formulation" *International Journal of Chem Tech Research*, 2011, 1(3), 112-118.
2. Dhagla Ram Choudhary, Vishnu A. Patel, **Usmangani K. Chhalotiya et al.** "Formulation and Evaluation of Fast Dissolving Film of Levocetirizine Dihydrochloride Using Different Grades of Methocel" *Journal of Pharmacy Research*, 2011, 4(9),2919-2924.
3. Dimal A. Shah, **Usmangani K. Chhalotiya et al.** "Simultaneous estimation of Amlodipine and Ramipril in Pharmaceutical formulation by thin layer chromatographic method" *Novel science: International Journal of Pharmaceutical Sciences*, 2012, 1, 33-39.
4. **Chhalotiya Usmangani K.,** Bhatt Kashyap K. *et al.* "Development of Stability Indicating RP-HPLC Method For determination of Levosulpiride Hydrochloride in Bulk and Pharmaceutical Dosage Form" *International Journal Advance Pharmaceutical Analysis*, 2012, 2(2), 41-46.
5. **Usmangani K. Chhalotiya**, Harsh B. Patel, Kashyap K. Bhatt. "Development and Validation of an Ultra PerformanceLiquid Chromatography Method for Venlafaxine Hydrochloride in Bulk and Capsule Dosage Form" *Indian Journal of Pharmaceutical Sciences*, 2010, 72 (6): 814-818.

6. **Usmangani K. Chhalotiya**, Anandkumari A. Captain, Kashyap K. Bhatt. "Simultaneous Estimation of Simvastatin and Ezetimibe in Bulk Drug and Tablet Formulation by High-Performance Liquid Chromatography and High-Performance Thin-Layer Chromatography" *Research Journal of Pharmaceutical Technology*, 2010, 3(2), 507 - 511.
7. Nimmi Dalwadi, **Usmangani Chhalotiya et al.** "Quantification of cinnarizine and dimenhydrinate in tablet dosage form by simultaneous equation spectrophotometric method". *International Journal of Advances in Pharmaceutical Analysis*, 2014, 4(2), 58 – 61.
8. Smit A. Bhadja, **Usmangani K. Chhalotiya et al.** "Simultaneous Estimation of Torsemide and Amiloride Hydrochloride in their Pharmaceutical Dosage Form By Dual Wavelength UV Spectroscopic Method" *Advanced Journal of Pharmacie Life Science Research*, 2014, 2(1), 21-28.
9. Roshni D Patel, **Usmangani K Chhalotiya et al.** "Liquid Chromatographic Estimation of Cyclobenzaprine Hydrochloride and Aceclofenac in Pharmaceutical Formulation" *Research And Reviews: Journal of Pharma and Pharmaceutical Science*.2014, 3(3), 37 – 44.
10. Krma Patel, Dimal A. Shah, **Usmangani Chhalotiya et al.** "Liquid Chromatographic Estimation of Epalrestat and methylcobalamin in Pharmaceutical Formulation". *Research and Reviews: Journal of Pharmaceutical Analysis*, 2014, 3(2), 35 – 42.
11. Shahin Vohra, **Usmangani Chhalotiya et al.** "Dual Wavelength Spectrophotometric Method for Estimation of Cilnidipine and Telmisartan in Their Combined Dosage Form". *Research and Reviews: Journal of Pharmaceutical Analysis*. 2014, 3(2), 22 – 29.
12. D. A. Shah, Jainika P. Rana, **Usmangani K. Chhalotiya**, S. L. Baldania And K. K. Bhatt "Development and Validation of a Liquid Chromatographic Method for Estimation of Dicyclomine Hydrochloride, Mefenamic Acid and Paracetamol in Tablets" *Indian Journal of Pharmaceutical Sciences*, 2014, 76(6), 529 – 534.
13. Patel P. J., Shah D. A., Mehta F. A. and Chhalotiya U. K. "Development of HPTLC Method for the Estimation of Ondansetron and Ranitidine in Combined Dosage Form" *Indian Drugs*, 2015, 52(12), 42 – 48.
14. **Chhalotiya U. K.**, Sindhav J. R., Shah D. A., Mehta F. A. and Bhatt K. K. "Simultaneous Estimation of Moxonidine and Amlodipine Besylate in Their Pharmaceutical Dosage Form by Stability-Indicating LC Method" *Indian Drugs*, 2016, 53(03), 24 – 31.
15. Shah D. A., Shunmuganathan Elakkiya L., Mehta F. A., **Chhalotiya U. K.** "Stability Indicating HPTLC Method for the Estimation of Ticagrelor in bulk and in pharmaceutical Dosage Form" *Indian Drugs*, 2016, 53(10), 34 – 39.
16. Shah D. A., Gajjar U., Mehta F. A., Patel V. A. and **Chhalotiya U. K.** "Development of HPTLC method for the estimation of Pioglitazone and Alogliptine in Synthetic Mixture" *Indian Drugs*, 2017, 54(02); 44 – 51.
17. Shah DA, Gajjar U, Agarwal K, **Usmangani K. Chhalotiya et al.** "Estimation of Pioglitazone Hydrochloride and Alogliptin benzoate in combination by Second Order Derivative Spectrophotometry method". *International Research Journal of Pharmaceutical Sciences*, 2017; 8: 001-010.

## International

1. **Usmangani K. Chhalotiya**, Kahsyap K. Bhatt *et al.* "Development and Validation of a Stability-Indicating RP-HPLC Method for Duloxetine Hydrochloride in its Bulk and Tablet Dosage Form" *Scientia Pharmaceutica*, 2010, 78, 857–868.
2. **Usmangani K. Chhalotiya**, Kashyap K. Bhatt *et al.* "Development of LC Method for the Simultaneous Determination of Antidepressant Drug Combination Melitracen Hydrochloride and Flupentixol Dihydrochloride in their Combined Dosage Form" *Chromatography Research International*, 2011, doi:10.4061/2011/632820.
3. Dimal A. Shah, **Usmangani K. Chhalotiya et al.** "Stability Indicating Liquid Chromatographic Method for the Estimation of Desvenlafaxine in Pharmaceutical Dosage Form" *Chemical Industry & Chemical Engineering Quarterly*, 2011, 17 (3), 341 -348.
4. Dimal A. Shah, **Usmagani K. Chhalotiya et al.** "Development and validation of liquid chromatographic method for estimation of Ibuprofen and famotidine in combined doage form" *ISRN Analytical Chemistry* 2012, doi.10.5402/2012/674392.
5. **U. K. Chhalotiya**, K. K. Bhatt *et al.* "Stability indicating liquid chromatographic method for quantification of new anti epileptic drug lacosamide in bulk and pharmaceutical formulation" *Chemical Industry & Chemical Engineering Quarterly* 2012, 18 (1), 35-42.
6. Dimal A. Shah, **Usmangani K. Chhalotiya et al.** "Development and validation of HPTLC method for the estimation of Desvenlafaxine in tablet formulation" *Journal of Planar chromatography* 2012, 25(2), 174-77.
7. **U. K. Chhalotiya**, Dimal A. Shah *et al.* "Liquid chromatographic method for quantification of antipsychotic agent Iloperidone in pharmaceutical formulation" *ISRN Analytical Chemistry* 2012, doi.5402/2012/963276.
8. **Usmangani K. Chhalotiya**, Kashyap K. Bhatt *et al.* "Stability-Indicating Liquid Chromatographic Method for the Quantification of the New Antipsychotic Agent Asenapine in Bulk and in Pharmaceutical Formulation" *Scientia Pharmaceutica*, 2012, 80, 407–417.
9. Sunil L. Baldania, **Usmangani K. Chhalotiya et al.** "Simultaneous Estimation of Metoprolol Succinate and Olmesartan Medoxomil in Pharmaceutical Formulation by Thin-Layer Chromatographic-Densitometric Method" *ISRN Analytical Chemistry*, 2012, doi:10.5402/2012/245429.
10. Dhagla R. Chaudhary *et al.* "Development and Characterization of Pharmacokinetic Parameters of Fast-Dissolving Films Containing Levocetirizine" *Scientia Pharmaceutica* 2012, 80, 779 – 787.
11. **Usmangani K. Chhalotiya**, Kashyap K. Bhatt *et al.* "Estimation of Centrally Acting Muscle Relaxant Drug Tolperisone Hydrochloride Using HPTLC Method" *World Journal Analytical Chemistry* 2013, 1(1), 1-7.
12. Laveena R. Khamchandani, Dimal A. Shah, **Usmangani K. Chhalotiya et al.** "Simultaneous estimation of Spironolactone and Hydroflumethiazide in pharmaceutical dosage form by second order derivative UV- spectrophotometry method" *Novus Journal of Internation Chemistry*, 2013, 2(1), 7 – 12.

13. Laveena R. Khamchandani, Dimal A. Shah, **Usmangani K. Chhalotiya et al.** “Development and validation of liquid chromatographic method for simultaneous estimation of Spironolactone and Hydroflumethiazide in pharmaceutical dosage form” *Novus Journal of Internation Chemistry*, 2013, 2(1), 13 – 19.
14. **Usmangani K. Chhalotiya**, Kashyap K. Bhatt *et al.* “Development of HPTLC Method for the Estimation of Antidepressant Drugs Melitracen and Flupentixol in their Combined Dosage Form” *Journal of Liquid Chromatography & Related Techniques*, 2013, 34(9), 1231 – 1242.
15. Kaminee Parmar, Dimal A. Shah, **Usmangani K. Chhalotiya et al.** “Development and Validation of First-Order Derivative Spectrophotometry for Simultaneous Determination of Levocetirizine Dihydrochloride and Phenylephrine Hydrochloride in Pharmaceutical Dosage Form” *International Journal of Spectroscopy*, Vol. 2013, Article ID 502310.
16. Varsha Parmar, **Usmangani Chhalotiya et al.** “Quantification of Benazepril Hydrochloride and Hydrochlorothiazide in Tablet Dosage Form by Simultaneous Equation Spectrophotometric Method” *Journal of Applied Chemistry*, 2013, Article ID 316137, <http://dx.doi.org/10.1155/2013/316137>.
17. **U. K. Chhalotiya**, K. K. Bhatt *et al.* “Development of Stability Indicating LC Method for the Estimation of Tolperisone in Bulk and Pharmaceutical Dosage Form” *Journal of Applied Chemistry*, 2013, Article ID 352984, <http://dx.doi.org/10.1155/2013/352984>.
18. Dimal Shah, **Usmangani Chhalotiya et al.** “Development and Validation of HPTLC Method for Estimation of Ibuprofen and Famotidine in Pharmaceutical Dosage Form”. *Journal of Liquid Chromatography & Related Techniques*, 2014, 37(7), 941 – 950.
19. **Usmangani K. Chhalotiya**, Kashyap K. Bhatt *et al.* “Quantification of Clioquinol in Bulk and Pharmaceutical Dosage Forms by Stability Indicating LC Method” *Turkish Journal of Pharmaceutical Sciences*, 2014, 11(1), 67-78.
20. Dimal A. Shah, **Usmangani K. Chhalotiya et al.** “Development of LC Method for Estimation of Diethyl Carbamazine Citrate and Chlorpheniramine Maleate in Combined Dosage Form” *Turkish Journal of Pharmaceutical Sciences*, 2014, 11(1), 79-86.
21. Dimal A. Shah, **Usmangani K. Chhalotiya et al.** “Development and Validation of Liquid Chromatography–Tandem Mass Spectrometric Method for the Quantification of Ciprofibrate From Human Plasma” *Journal of Chromatographic Science*, 2014, 1–7.
22. Dimal A. Shah, **Usmangani K. Chhalotiya et al.** “High-Performance Thin-Layer Chromatographic Method for the Estimation of Paracetamol, Dicyclomine Hydrochloride, and Mefenamic Acid in Combined Tablet Dosage Form” *Journal of Planar Chromatography*, 2014, 27(1), 52–57.
23. Smit A. Bhadja, **Usmangani K. Chhalotiya**, Dimal A. Shah, Falgun A. Mehta, Kashyap K. Bhatt “Simultaneous Estimation of Amiloride Hydrochloride and Toremide in Their Combined Dosage Forms by High-Performance Thin-Layer Chromatography” *Journal of Planar Chromatography*, 2014, 27(4), 294 – 298.
24. **Chhalotiya UK**, Varsha LP, Dimal AS, Kashyap KB, Sunil LB “Stability Indicating LC Method for the Estimation of Benazepril HCl and Hydrochlorothiazide in

- Pharmaceutical Dosage Form” *Journal of Chromatographic Separation Techniques*, 2014, 5(2), 1 – 7, doi:10.4172/2157-7064.1000216.
25. Sindhav JR, **Chhalotiya UK**, Shah DA, Mehta FA, Bhatt KK “Stability-Indicating HPTLC Method for Simultaneous Quantification of Moxonidine and Amlodipine Besylate in Their Combined Pharmaceutical Dosage Form” *Journal of Austin Chromatography*, 2015, 2(2), 1031.
  26. Dimal A. Shah, Dipal V. Patel, Falgun A. Mehta, **Usmangani K. Chhalotiya**, Kashyap K. Bhatt. High-Performance Thin-Layer Chromatography Method for Estimating the Stability of a Combination of Irbesartan And Amlodipine Besylate. *Journal of Taibah University for Science*, 2015, <http://dx.doi.org/10.1016/j.jtusci.2014.07.007>.
  27. Dimal A. Shah, Dixita J. Suthar, Chirag D. Nagda, **Usmangani K. Chhalotiya**, Kashyap K. Bhatt. Estimation of Ibuprofen and Famotidine in Tablets by Second Order Derivative Spectrophotometry Method. *Arabian Journal of Chemistry* 2012, <http://dx.doi.org/10.1016/j.arabjc.2012.07.013>
  28. Patel PJ, Shah DA, Mehta FA and **Chhalotiya UK** “Development of Liquid Chromatographic Method for Estimation of Ondansetron and Ranitidine in Combined Dosage Form” *Journal of Austin Chromatography*, 2015, 2(2), 1033.
  29. Anandkumari D. Captain, Romel M. Patel, Neel G. Changela, Vaishali V. Karkhanis, **Usmangani K. Chhalotiya** “Analytical Method Development and Validation for Estimation of Poly (Hexamethylene Biguanide) Hydrochloride in Marketed Formulation” *American Journal of Pharmacy and Health Research*. 2015, 3(5), 105 – 112.
  30. Pratik R. MODI, Usmangani K. CHHALOTIYA, Dimal A. SHAH, Falgun A. MEHTA, Kashyap K. BHATT “Simultaneous Quantification of Metolazone and Ramiprilin Their Combined Dosage Form by First Order Derivative Spectroscopic Method” *Turkish Journal of Pharmaceutical Sciences*, 2015, 12(2), 169 – 176.
  31. Ghanshyam Sanghani, S S Pandya, Ashok Akabari, **Usmangani Chhalotiya**. “Stability Indicating RP – HPLC Methods for Simultaneous Determination of Amlodipine and Perindopril In Pharmaceutical Formulation in the Presence of Their Degradation Products” *International Journal Of Pharmaceutical Research*, 2015, 7(3), 68 – 74.
  32. Patel BD, **Chhalotiya UK**, Patel DB “Quantification of Newer Anti-Cancer Drug Clofarabine in their Bulk and Pharmaceutical Dosage Form” *J Chromatogr Sep Tech*, 2016, 7: 328. doi:10.4172/2157-7064.1000328
  33. **Usmangani K. Chhalotiya**, Nishma M. Patel, Dimal A. Shah, Falgun A. Mehta, Kashyap K. Bhatt “Thin-Layer Chromatography Method for the Simultaneous Quantification and Stability Testing of Alprazolam and Mebeverine in their combined Pharmaceutical Dosage Form”. *Journal of Taibah University for Science*, 2017, 11, 66 – 75.
  34. **Chhalotiya UK**, Patel DB, Shah DA, Mehta FA and Bhatt KK “TLC Method for Simultaneous Quantification of Chlorzoxazone, Paracetamol, Famotidine and Diclofenac Potassium in their Combined Dosage Form” *Austin Chromatography*, 2017, 4(1), 1044.
  35. Dimal A. Shah, Dixita J. Suthar, Chirag D. Nagda, **Usmangani K. Chhalotiya**, Kashyap K. Bhatt, “ Estimation of Ibuprofen and Famotidine in tablets by Second

- Order Derivative Spectrophotometry Method” *Arabian Journal of Chemistry*, 2017; 10, S105 – S108.
36. Prajapati JD, **Chhalotiya KU**, Prajapati DM, et al. “Quantification of newer anticancer drug enzalutamide by stability indicating RPLC method and UV-visible spectroscopic method in bulk and synthetic mixture”. *Journal of Molecular Oncology Research*, 2017; 1(2); 65-85.
37. Jalpa U. Patel, Usmangani K. Chhalotiya “A Synchronous Fluorescence Spectrofluorometric Method for the Simultaneous Determination of Clonazepam and Paroxetine Hydrochloride in Combined Pharmaceutical Dose Form” *Turk J Pharm Sci*, 2017, 14(3); 251 -256.
38. Brijesh Patel, **Usmangani K. Chhalotiy**, Sandip B. Patel “Estimation of Newer Anti-Cancer Drug Clofarabine in Their Pharmaceutical Dosage Form by Stability Indicating TLC Method” *J. Chil. Chem. Soc.* 2018, 63(1); 3834 – 3840.
39. Thakkar AM, **Chhalotiya UK**, Parekh N, Desai JV, Dalwadi HB, Shah DA, “Quantification of Brexpiprazole in Bulk and Its Pharmaceutical Dosage Form by UV - Visible Spectroscopic and SIAM RP-LC Method”. *Austin Chromatogr.* 2018, 5(1); 1050.
40. Vandana B. Patel, Dimal A. Shah, Hemaxi B. Gohil, and **Usmangani Chhalotiya** “Stability-Indicating High-Performance Thin-Layer Chromatographic Method for the Estimation of Antipsychotic Drug Combination Clozapine and Aripiprazole”. **Journal of Planar Chromatography** 2018, 31(5), 397–403.
41. Desai Jaineel V., **Chhalotiya Usmangani K.**, Thakkar Anjali, Kurvah Omnarayansinh, Dalwadi Himani B., Shah Dimal A., “LC Method for the Estimation of Edaravone in Bulk and its Pharmaceutical Dosage Form” *Open Access Journal of Chemistry* 2018, 2(3), 8 – 12.
42. Jaineel V. Desai, **Usmangani K. Chhalotiya\***, Himani B. Dalwadi, Anjali M. Thakkar, Dimal A. Shah. “Quantification of a Neuroprotective Agent Edaravone by Stability Indicating TLC Method and UV–Visible Spectroscopic Method in Bulk and Pharmaceutical Dosage Form” *Chemical Methodologies* 2019, 3(2), 166 – 182. DOI:10.22034/chemm.2018.145347.1077.
43. Dharmendra J. Prajapati, **Usmangani K. Chhalotiya**, Minesh D. Prajapati, Jalpa U. Patel, Jaineel V. Desai “Quantification of Newly Discovered Anti-Cancer Drug Enzalutamide in Bulk and Synthetic Mixture by Stability Indicating TLC Method”. *Current Drug Discovery Technology*, 2019, 16(1), 104 - 112.
44. Dimal A. Shah, Jaimin S. Patel, Priyanka Jadeja, Vandana B. Patel & **Usmangani K. Chhalotiya** “Development of Stability Indicating HPTLC Method for Estimation of Antihypertensive Drug Combination Nifedipine and Valsartan.” *Journal of Taibah University for Science* 2019, 13(1), 722 – 730.
45. Patel Kesha Manojbhai, **Chhalotiya Usmangani K**, Yadav Preeti and Shah Dimal A “Stability Indicating LC Method for the Estimation of Macitentan in Bulk and Its Pharmaceutical Dosage Form.” *Acta Scientific Pharmaceutical Sciences* 2019, 3(7), 45 - 51.
46. Anjali M. Thakkar, **Usmangani K. Chhalotiya**, Nikunj Parekh, Jaineel V. Desai, And Dimal A. Shah “Stability Indicating TLC Method for Quantification of

- Brexipiprazole in Bulk and Its Pharmaceutical Dosage Form and Determination of Content Uniformity.” *Journal of Chromatographic Science* 2019, 57(5), 1 - 9.
47. Patel K, **Chhalotiya U**, Kachhiya H, Patel J, Shah D, Nagda D. Simultaneous quantification of perindopril erbumine, Indapamide and amlodipine besylate in newer combination of anti-hypertensive drugs in pharmaceutical dosage form by thin layer chromatography method. *Separation Science Plus* 2020; 3: 175–184. <https://doi.org/10.1002/sscp.202000010>
  48. Preeti N. Yadav, **Usmangani K. Chhalotiya**, Kesha M. Patel, Jinal N. Tandel, Quantification of A  $\beta$  Adrenergic Receptor Drug Mirabegron by Stability Indicating LC Method and UV–visible Spectroscopic Method in Bulk and Pharmaceutical Dosage Form. *Chemical Methodologies* 2020, 4(3), 340 – 358.
  49. Kansara, D.A., **Chhalotiya, U.K.**, Kachhiya, H.M. *et al.* Simultaneous estimation of amlodipine besylate, Rosuvastatin calcium and Fimasartan potassium trihydrate combination used in the treatment of hypertension using LC method. *SN Applied Sciences*. 2, 948 (2020). <https://doi.org/10.1007/s42452-020-2758-4>
  50. Patel IM, **Chhalotiya UK**, Jani HD et al. Densitometric simultaneous estimation of combination of empagliflozin, linagliptin and metformin hydrochloride used in the treatment of type 2 diabetes mellitus. *JPC-Journal of Planar Chromatography* 2020, 33, 109–118. <https://doi.org/10.1007/s00764-020-00026-z>
  51. Dimal A. Shah, Ishita I. Gondalia, Vandana B. Patel, Ashok Mahajan and **Usmangani K. Chhalotiya** ”Stability indicating liquid chromatographic method for the estimation of remogliflozin etabonate” *Journal of Chemical Metrology* 2020, 14:2, 125-132. <http://doi.org/10.25135/jcm.46.20.07.1734>
  52. Devansh Kansara, Hetaben M. Kachhiya, **Usmangani K. Chhalotiya** and Ishita Patel “Development of TLC method for simultaneous estimation of novel combination of amlodipine besylate, rosuvastatin calcium, and fimasartan potassium in synthetic mixture” *Journal of Chemical Metrology* 2020, 14:2, 142-152. I:<http://doi.org/10.25135/jcm.45.20.07.1744>

➤ **Poster presented:**

**National:**

1. Estimation of simvastatin and ezetimibe in pharmaceutical dosage form by first order derivative spectrophotometry method at 61<sup>st</sup> Indian Pharmaceutical Congress 2009 at Ahmedabad.
2. Co-author in poster entitled “Evaluation of Lifestyle Pattern amongst Students and Faculty Members of A.D.I.T. Campus (Gujarat Technological University/Sardar Patel University), New V.V. Nagar” at 63<sup>rd</sup> Indian Pharmaceutical Congress (IPC) 2011 at Bengaluru and earned 2<sup>nd</sup> prize.

**International:**

1. Co-author in poster entitled “HPTLC method for the analysis of *Luffa Cylindrica* L. seeds” International Symposium for Thin Layer Chromatography 2011, Basel, Switzerland.

2. Co- author in poster entitled “Quantification of Metolazone and Ramipril in their combined dosage form” International Symposium for Thin Layer Chromatoraphy 2014, Lyon, France.
3. Co-author of “Validated analytical HPTLC method and content uniformity for the determination of letrozole in tablet dosage form” International Symposium for Thin Layer Chromatoraphy 2014, Lyon, France.
4. Kalpesh S. Solanki, **Usmangani K. Chhalotiya** “Development and Validation of Analytical Methods for simultaneous estimation of Moxonidine and Hydrochlorothiazide in their combined Dosage form” Poster Presented 21<sup>st</sup> International Symposium on Separation Sciences, June 30 – July 2015, Ljubljana, Slovenia.
5. Poster presented in AICTE Sponsored International Conference on "**Computer Aided Drug Delivery**" at Babaria Institute of Pharmacy, BITS Education Campus, Vadodara, Gujarat, 11<sup>th</sup> & 12<sup>th</sup> October 2019.

➤ **Book Publication**

1. First edition “Practicals in Biochemistry” published by Nirav and Roopal Prakasan.

➤ **Seminar/ Conference/ Workshop/ Refresher course:**

- 1) Attended ICMR sponsored national level seminar entitled; Bioanalysis in clinical research: current status and challenges’ Organized by Anand Pharmacy College of 11<sup>th</sup> October 2014.
- 2) Attended One day DST – GUJCOST sponsored National Seminar on “Recent advances and Challenges in Protein and Peptide Drug Delivery System” at A. R. & G. H. Patel Institute of Pharmacy, Vallabh Vidyanagar, Anand on 31<sup>st</sup> March – 2015.
- 3) Attended Two Week National Level Faculty Development Programme on “Entrepreneurship Development” supported by National Science and Technology Entrepreneurship Development Board (NSTEDB) in between 18<sup>th</sup> to 30<sup>th</sup> December 2017 at ADIT
- 4) Attended Two Week National Level Faculty Development Programme on “Entrepreneurship Development” supported by National Science and Technology Entrepreneurship Development Board (NSTEDB) in between 19<sup>th</sup> to 31<sup>st</sup> December 2016 at ADIT
- 5) Attended GUCOST sponsored seminar on “Data Integrity and Quality Metrics: Regulatory Compliance” at Anand Pharmacy College, Anand, on 20<sup>th</sup> February 2018.
- 6) Attended GUCOST sponsored seminar on “Advancements in Chromatographic Techniques for current & Future Pharmaceutical Testing” at Smt. S. M. Shah Pharmacy College, Mahemdavad, on 14<sup>th</sup> July 2018.
- 7) Attended PCI sponsored three days “Continuing Education Program for Pharmacy Teachers” at CHARUSAT, Changa on 26 – 28<sup>th</sup> July 2018.
- 8) Attended ICFAI organize “Pedagogical Innovations and Emerging Perspectives in Higher Education” on 3<sup>rd</sup> August 2018.
- 9) Attended GUCOST sponsored seminar on “Quality Risk Management in Pharmaceuticals – Concept to Conceptualization” at Babaria Institute of Pharmacy, Vadodara, on 29<sup>th</sup> September 2018.



- 10) Attended workshop on “**Skills for Students Parenting**” at H. M. Patel Career Development Center, Vallabh Vidyanagar, Organized by Kaizen.
- 11) Attended workshop on “**Team Creativity @ Workplace**” at H. M. Patel Career Development Center, Vallabh Vidyanagar, Organized by Kaizen.
- 12) Attended GUJCOST sponsored one day national seminar on “**Intelligent Drug Delivery System: The Game Changers In Therapeutics**” at Indukaka Ipcowala College of Pharmacy, New Vallabh Vidyanagar, 9<sup>th</sup> March 2019.
- 13) Attended GUJCOST sponsored one day national seminar on “**Quality Analysis: Recent Trends, Opportunities and Challenges**” at A. R. And G.H. Patel Institute of Pharmacy, Vallabh Vidyanagar, Anand, New Vallabh Vidyanagar, 5<sup>th</sup> April 2019.
- 14) Attended GUJCOST sponsored one day national seminar on “**Steps towards Implication and Conservation of Medicinal Plants In View Of Pharma Interest**” at Indukaka Ipcowala College of Pharmacy, New Vallabh Vidyanagar, 20<sup>th</sup> September 2019.
- 15) Attended AICTE sponsored two days International conference on “**Computer Aided Drug Delivery**” at Babaria Institute of Pharmacy, BITS Edu Campus, Vadodara, Gujarat, 11<sup>th</sup> & 12<sup>th</sup> October 2019.
- 16) Two Week AICTE Sponsored Faculty Development Programme on “**Training Faculty For Twenty First Century Needs and Challenges**” Anand Pharmacy College, Near Anand Bus Stand, Anand, Gujarat, India, 18<sup>th</sup> - 30<sup>th</sup> November 2019.
- 17) Attended AICTE Swayam Course on “Analytical Techniques” from 13<sup>th</sup> January to 30<sup>th</sup> April 2020.
- 18) Attended Webinar on "How To Generate IP In Current Situation For The Benefit Of Society" on 18<sup>th</sup> April 2020, organized by GTU IPR Cell.
- 19) Attended Phenomenex sponsored “LC system optimization” on 20<sup>th</sup> April 2020, Organized by Phenomenex, India
- 20) Attended Webinar on “SERB - CII Prime Minister's Fellowship for Doctoral Research” on 20<sup>th</sup> April 2020, organized by SERB – Confederation of Indian Industry.
- 21) Attended Webinar on “Things to know before starting a Pharma startup” on 21<sup>st</sup> April 2020, organized by AIC-GISC GTU Innovation and Startup Centre
- 22) Attended Webinar on “Importance & Possibilities of Innovation and IPR in Herbal & Ayurvedic Industry” on 21<sup>st</sup> April 2020, organized by GTU IPR Cell.
- 23) Attended Webinar on “Design Thinking - Strategic Tool to solve Complex Problem” on 24<sup>th</sup> April 2020, Organized by Anand Pharmacy College, Anand.
- 24) Attended Webinar on “Innovate for a Green Future: An Indian Perspective” on 26<sup>th</sup> April 2020, Organized jointly by GTU - GUJCOST - Ministry of MSME – AGNIi – CIPAM - SSIP – NRDC.
- 25) Attended Short Term Training Program on “Target Based Drug Design Strategies Utilising CADD Tools and Eco-friendly Microwave Assisted Green Synthesis” on 27<sup>th</sup> April to 2<sup>nd</sup> May 2020, AICTE sponsored & Organized by ISF College of Pharmacy, Moga, Punjab
- 26) Attended Webinar on “Field Surveillance & Supervision for COVID-19 Warriors” on 6<sup>th</sup> May 2020, Organized by Gujarat State Pharmacy Council, Ahmedabad.

- 27) Attended Webinar on “Psycho-social Care during COVID-19” on 8<sup>th</sup> May 2020, Organized by Gujarat State Pharmacy Council, Ahmedabad
- 28) Attended Webinar on “COVID-19: Role of Youth and Volunteers” on 8<sup>th</sup> May, Jointly organized by GIDM and Charutar Vidya Mandal
- 29) Attended Webinar on “Epidemiology and Prevention of COVID-19” on 10<sup>th</sup> May 2020, Organized by Gujarat State Pharmacy Council, Ahmedabad
- 30) Attended Webinar on “Rational use of PPE & Use of mask” on 12<sup>th</sup> May 2020, Organized by Gujarat State Pharmacy Council, Ahmedabad
- 31) Attended e-FDP on “Redefining the Role of Educator in Covid – 19 out-break Era” on 11<sup>th</sup> to 16<sup>th</sup> May 2020, GTU sponsored and Organized by Anand Pharmacy College, Anand.
- 32) Attended Teacher Development Program on “Impact of Covid – 19 & Outcome based Education” 18<sup>th</sup> May to 23<sup>rd</sup> May 2020, Organized by Waymade College of Education, Charutar Vidyamandal University
- 33) Attended Online **FDP** on “Moodle Learning Management System” 1<sup>st</sup> to 6<sup>th</sup> June 2020, organized by MBIT & Spoken Tutorial, IIT, Bombay.
- 34) Attended Webinar on “Ideal Manuscript-Exploration of Scientific Manuscript Writing” on 21<sup>st</sup> and 22<sup>nd</sup> December 2020, organized by School of Science, R K University, Rajkot.

➤ **Organized as Coordinator/ co-coordinator:**

- 1) Worked as a Convener in state level seminar entitled “**Hyphenated techniques in Pharmaceutical analysis**” Organized by Indukaka Ipcowala college of Pharmacy on 14<sup>th</sup> September 2013.
- 2) Worked as a Coordinator in the GUJCOST sponsored conference titled “**Forced Degradation Study: A Need of Analytical Method Development**” Organized by Indukaka Ipcowala college of Pharmacy on 7<sup>th</sup> February 2015.
- 3) Worked as a Coordinator to organize and attended Two days Refresher Course sponsored by Gujarat State Pharmacy Council on 30<sup>th</sup> May and 1<sup>st</sup> April 2016 at IICP.
- 4) Worked as a coordinator in the GUJCOST sponsored conference titled “**Competency Based Professional Education: Theory to Practice**” Organized by Indukaka Ipcowala college of Pharmacy on 12<sup>th</sup> March, 2016
- 5) Worked as a Coordinator to organize Two days Refresher Course sponsored by Gujarat State Pharmacy Council on 15<sup>th</sup> and 16<sup>th</sup> July 2017 at IICP.
- 6) Worked as a Coordinator in the GUJCOST sponsored National seminar which entitled “**Interpretation of Different Spectroscopic Techniques**” Organized by Indukaka Ipcowala college of Pharmacy on 20<sup>th</sup> January, 2018
- 7) Worked as a organizing committee member for one day seminar on “**Quality By Design Approach in Tablet Formulation**” on 9<sup>th</sup> February 2018.
- 8) Worked as a Co-coordinator to Organize Two Days Refresher Course sponsored by Gujarat State Pharmacy Council on 7<sup>th</sup> & 8<sup>th</sup> July -2018.
- 9) Worked as a coordinator to organize one day national seminar sponsored on “**Statistical Tools in Pharmaceuticals**” at Indukaka Ipcowala College of Pharmacy, New Vallabh Vidyanagar, 25<sup>th</sup> January 2019.

- 10) Worked as a Co-coordinator to Organize Two Days Refresher Course sponsored by Gujarat State Pharmacy Council on 23<sup>rd</sup> and 24<sup>th</sup> February -2019.
- 11) Worked as coordinator to organized one day national webinar on **“Professional and Technical: Resume Writing and Interview Skills”** on 13<sup>th</sup> May 2020.
- 12) Worked as a Co-coordinator to Organize Two Days Refresher Course sponsored by Gujarat State Pharmacy Council on 14<sup>th</sup> and 15<sup>th</sup> September – 2019.
- 13) Worked as a Co-coordinator to Organize Two Days Refresher Course sponsored by Gujarat State Pharmacy Council on 26<sup>th</sup> and 27<sup>th</sup> December – 2020.

➤ **Area of Research interest:**

Keen interest in the Development and Validation new Analytical Methods on sophisticated Instruments like UV – Visible Spectroscopy, High performance Liquid Chromatography (HPLC), High performance thin layer chromatography (HPTLC) etc., Forced Degradation studies and Impurity Profiling

➤ **Message to students:**

**“Strive for progress, not perfection.”**