

1. PAPER PUBLICATIONS:

1. **G. R. Chauhan**, G. J. Kharadi, K. D Patel (2010) Synthesis, spectroscopic and *in-vitro* antifungal studies of drug based mixed ligand Complexes. Oriental journal of chemistry, Vol.26 (4), 1431-1436.
2. **G. R. Chauhan**, G. J. Kharadi, K. D. Patel (2012) Novel drug based complexes: Synthetic, spectroscopic and *in-vitro* Antibacterialsignificance. (International Journal of Biomedical and Pharmaceutical and science, (Asian Journal of Biochemical and Pharmaceutical Research, Issue 2 Vol.(2),2012, ISSN:2231-2560.
3. **G. R. Chauhan**, K. K. Tiwari, Jaime A. Teixeira da silva, Pinak Patel , Falgun Mehta (2011) Simultaneous Estimation of Cetrizine Hydrochloride and Phenylpropanolamine Hydrochloride in Tablet Dosage Form using Reverse Phase HPLC Method. [International journal of Biomedical and Pharmaceutical and science, (IJBPS), 2011, 5(1), 61-63.
4. Usmangani K.Chalotiya, Kashyap K. Bhatt, Dimal A.Shah, **G. R. Chauhan**, Sunil N.Baldania(2011) Devlopement of LC method for the simultaneous determination of anti depressant drug combination melitracin hydrochloride and flupentixol dihydrochloride in their combine Dosage form. Chromatography Research International.2011, ID.632820
5. **G. R. Chauhan** , K.D.Patel, Hitesh V. Dholariya , Jiten Patel, K.K.Tiwari (2012) Synthesis, electronic spectra and antimicrobial significance of novel drug based complexes. International journal of Health and pharmaceuticals sciences. ISSN 2278-0564. June, 2012.
6. K. K. Tiwari, M. R. tiwari, M. P. Patel, P.V.Patel, **G. R. Chauhan** (2012) Assessment of heavy metals contamination in vegetables crop plants irrigated by industrial waste water. ISSN 2278-0564. June, 2012.

7. Bhavna A. Patel, Sharddha J. Parmar, Jigar B. Patel, **Gautam R. Chauhan** and A.D.Captain: (2012) "Development and Validation of chromatographic determination of Carvediol Phosphate in bulk and pharmaceutical dosage form using fluorescence detector."). IJPSR , Vol. 3, Issue 11, ISSN: 0975-8232
8. B.A. Patel, S. J. Parmar, **Gautam R. Chauhan** and A. D. Captain: (2012) Development and Validation of HPTLC method for estimation of Carvediol Phosphate in bulk and pharmaceutical dosage form. JCPR, ISSN: 0975-7384
9. Usman K. Chhalotiya, Kashyap K. Bhatt, Dimal A. Shah, Dhruvi C. Nagda, **Gautam R. Chauhan (2012)** Stability indicating High performance thin layer chromatographic determination of Tolperisone hydrochloride in bulk and pharmaceutical dosage form. Journal of Planar Chromatography Modern TLC
10. Usmangani K. Chhalotiya, Kashyap K. Bhatt, Dimal A. Shah, Dhruvi C. Nagda, **Gautam R. Chauhan,(2013)**: Estimation of Centrally Acting Muscle Relaxant Drug Tolperisone Hydrochloride Using HPTLC Method(Journal of Analytical chemistry)
11. Patel P R, Shah N J, **Chauhan G.(2014)**: High Performance Thin Layer Chromatographic Method with Densitometry Analysis for Determination of Artesunate and Mefloquine Hydrochloride from its Combined Pharmaceutical Formulation(Inventi Rapid: Pharm Analysis & Quality Assurance Vol. 2014, Issue 2 [ISSN 0976-3813]
12. Pinak Patel, Priyanka Poshiya, **Gautam Chauhan (2014)**: Development and Validation of high performance Thin Layer Chromatographic Method for Determination of Rebamipide and Pharmaceutical sciences.ISSN- 0975-1491 Vol 6, Issue 5, 2014

13. Pinak Patel, Vidisha Patel, **Gautam Chauhan (2014)**: Development and Validation of high performance Thin Layer Chromatographic Method for Simultaneous estimation of Ceftriaxone sodium and Tazobactam Sodium in their combined Pharmaceutical Formulation. International Journal of Pharmacy and Pharmaceutical Sciences. ISSN- 0975-1491 Vol 6, Issue 5, 2014
14. Pinak Patel, **Gautam Chauhan (2015)**: Potential problems associated with estimation of Artemisinin derivatives and others agents in combination used in treatment of faciparum from Biological fluids, pharmaceutical formulation and bulk. Journal of Inventi Vol.2015, issue 3 ISSN 0976-3813)
15. Pinak Patel, **Gautam Chauhan**, Krunal Detholia **(2017)**: A Rapid RP-HPLC Method for Determination of Dihydroartemisinin Derivatives followed by LC-MS/MS Characterization to confirm its Stability during Routine Analysis. Journal of Pharmaceutical Sciences and Bioscientific Research (JPSBR). ISSN No.2271-3681.

2. PAPER PRESENTATIONS:

1. Novel drug based complexes: Synthetic, spectroscopic and *in-vitro* Antibacterial significance. (Poster presentation, 2010)
2. Estimation of olmesartan medoxomil and hydrochlorothiazide by Reverse Phase High Performance Liquid chromatography and High Performance Thin Layer Chromatography in pharmaceutical Dosage form. (Oral presentation, 2010)

3. Conference/ Seminar attended/ participated

1. XXII Gujarat science congress March, 2008.
2. Industrial motivation Campaign. August, 2008.
3. State level seminar on current trends in Environmental science. September, 2008.
4. National seminar on emerging trends in chemical science Research.(NSETCSR-2009) January, 2009.
5. Gujarat science congress on frontiers of Science and Technology: Vision Gujarat 2020. February, 2009.
6. National seminar on "Research in chemistry at the crossing edge of other Sciences."(RC² EOS-09) November, 2009.
7. Workshop on "FT-NMR/GC-MS". November, 2009.
8. National symposium on Cutting edge and most promising research in Pharmaceuticals December 18, 2010.
9. Innovations in collegiate science education and research January 8, 2011.
10. National symposium on "sustainable Development: Issues and Concerns" 22nd January, 2011.
11. National Symposiums on "separation and purification in science and Technology" 4-5 February, 2011.
12. Physiological & Molecular Interventions on sustainable crop Productivity Under Changing Climate Conditions. January 17, 2012.
13. National Symposium on "Green Chemistry and Technology for sustainable Development "NSGC 2012, 25-27 March.
14. Membrane separation in chemical and allied Process Industries, 12, OCT, 2012 GCET
15. Hyphenated techniques in Pharmaceuticals analysis. 14, Sept, 2013 IICP
16. SEMINAR ON WASTEWATER RESEARCH
17. Comprehensive course on Analysis by X-ray fluorescence spectrometry. 26-27, June, 2014 two days organized by Panalytical India.
18. National Seminar on High and environment safety , GCET, 2014

19. One day workshop on Quantifying the impact and Relevance of scientific Research
August ,2014
20. Short-term course on All aspects of good communication skills by H MPatel
Career Development Centre,C.V.M Vallabh Vidhyanagar. 22nd Dec to 2nd
Jan.2015.
21. Participant as Expert speaker in one week Short term Training Program on
Environmental DegradationandControl.April-25-30, 2016 sponsored by TEQIP-
II.BVM-CVM.

4. Other activities:

Method development, calibration validation, degradation study and impurity Profile study, qualitative and Quantitative analysis on different pharmaceuticals and Herbal drugs by HPLC and HPTLC.

5. Details of ongoing Ph.D guidance :

1. New process development on Omeprazole intermediates and its derivate.-Saurabh Patel
2. Method development and validation of Ophthal based product THROUGH QBD. – Raturaj

Dr. Gautam R. Chauhan
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