

Faculty Profile

Name :	Mr. Kirtan Sanghavi (Assistant professor - LJIP)	
Date of Birth :	17/09/1987	
Educational Qualifications:		
-Master's (University)	M.Pharm. in Pharmaceutical Chemistry (Gujarat Technological University)	
-Bachelor's(University)	B.Pharm (Gujarat University)	
-Any Other:	-----	
Area of Specialization :	Pharmaceutical Chemistry	
Date of Joining (LJIP)	19/06/2017	
Present Position :	Assistant Professor Department of Pharmaceutical Chemistry, L.J. Institute of Pharmacy	
Contact Details:		
-Address :	P-13 Saudarya Apartment, C.P. nagar part II , Ghatlodiya, Ahmedabad 380061.	
-Email	sanghvikirtan002@gmail.com, Kirtan.sanghvi_ljip@ljinstitutes.edu.in	
-Phone	(M) 9913335331	
Work Experience :	Teaching (9 years) Industrial(--), Research& Development(--)	
Subjects taught :		
-Under Graduate level	Inorganic Chemistry (1st sem), Organic Chemistry (2nd ,3rd and 4th sem.), Medicinal Chemistry (4th Sem. , 5th Sem , 6th Sem) Pharmaceutical Chemistry-IX and X (7th and 8th Sem). Biochemistry (3rd and 4th Sem).	
-Post Graduate level	MAT (Modern Analytical Techniques) Advance Organic Chemistry-I and II	
Area of Specialization in your field	Development of Synthetic methods by Green Chemistry Approach)	
A brief account of work done by you in the M. Pharm.	<p>“Synthesis of various substituted guanidine derivatives using water as solvent: a green chemistry approach”</p> <p>Industrial chemistry is widely adopting the concept of “Green Chemistry” to meet the key scientific challenges of protecting human health and the environment while simultaneously achieving commercial profitability. Guanidine group plays important role in biological system and is therefore a component of many therapeutic agents that aim to mimic or block the function of a guanidine-containing biomolecule. Synthesis of guanidine derivatives has also attracted continued research interests in recent years. We have been interested in developing a one-pot synthesis of different substituted guanidine derivatives by applying green chemistry approach. We have modified synthetic process by direct reaction of thiourea with various amines which removes intermediate step of S-methylation and thus evolution of methylmercaptan can also be avoided. We have planned to use water as a solvent in place of high boiling organic solvent and excess of strong base can be used to catalyze the reaction and to trap the evolved H₂S gas. Moreover to reduce reaction time, it was planned to carry out the reaction under Microwave irradiation. Various substituted guanidine derivatives were synthesized by reacting symmetrical and asymmetrical thiourea with different amines under alkaline condition under microwave irradiation (100W) in moderate yield within 30-45 minutes and characterized by Mass, U.V., IR., and ¹H NMR Spectroscopy. Evolved H₂S gas was trapped by using excess of alkali.</p>	
New Technologies /methods developed by you	Synthesis of various substituted guanidine derivatives using a green chemistry approach”	

Scale up and Technology Transfer	-----
Industrial Projects Carried Out :(-----
No.)	
Revenue/Royalty earned by the	-----
Organization in Indian Rupees	
No. Government funded Projects	-----
undertaken by you and their total	
value	
Research Guidance :	
-Master's	03
-Guide for PhD	---
Summer/Winter/School/Conference/	24
Workshops attended:	
Summer/Winter/School/Conference/	07
Workshops Conducted:	
Patents taken/applied for:	-----
Publications: Research Papers :	07 (03 in International Journals- PubMed- 02, 02 in National journals)
Review papers:	02
<ol style="list-style-type: none"> 1) Published Research article on Insilico Drug Design and Molecular Docking Studies of Some Natural Products as Tyrosine Kinase Inhibitors in May 2018. 2) Published Review article on A Review on DNA Repair Inhibition by PARP Inhibitors in Cancer Therapy in July 2017. 3) Published Research article on Extract of <i>Euphorbia milli</i> Flower: A Natural Indicator in Acid-Base Titration in Journal of Integrated Health Sciences in December 2016. 4) Published Research article on Synthesis, Characterization and antimicrobial activity of 2,3-disubstituted thiazolidin-4-one derivatives in Journal of Chemical and Pharmaceutical Research in August 31, 2016. 5) Published Research article on one pot microwave assisted synthesis of various substituted guanidine derivatives using water as solvent: A green chemistry approach in Journal of Chemical and Pharmaceutical Research in July 27, 2016. 6) Published Research article on An efficient synthesis and characterization of some novel pyrazolo[3,4-d]pyrimidin-4(5H)-one derivatives in American journal of Pharmtech Research in March 2016. 7) Published Research article on Formulation, evaluation and stability study of sennoside A & B capsule in Journal of Chemical and Pharmaceutical Research in October 2015. 8) Published Review article on Osmotic Drug Delivery System for Zero Order Kinetic in International Journal of Pharmaceutical Research & Bio-Science in April 27 2015. 9) Published Review article on SMEDDS: A Dominant Dosage Form Which Improve Bioavailability in American journal of Pharmtech Research in 2012. 	
Conferences ,Workshops and Seminars, Webinars:	
<ol style="list-style-type: none"> 1) Attended National Level Live Webinar On “Amazing Animations in PowerPoint and How to create Educational Videos” Jointly organized by Knowledge Publications and YouTube Channel” held on 24/05/2020. 2) Participated in the Web Colloquium -“Corona, The Unwanted Companion but an Invisible Teacher”. Organized on dated May 24th, 2020 by International School of Management, Patna. 3) Attended National Webinar on the topic of “Transforming Drug Discovery with advanced Computational Modelling” organised by Schrodinger, on 21th May 2020. 4) Attended National Webinar on the topic of “ The role of Academia in Post Covid Drug Discovery” 	

- organised by The department of Chemistry and Forensic Science in Association with SSIP Bhakta Kavi Narsinh Mehta University, Junagadh on 18th May 2020.
- 5) Attended National Webinar on the topic of "नए भारत के लिए बौद्धिक संपदा - Intellectual Property for New India".13th Foundation Day organised by GTU on 16th May 2020.
 - 6) Attended Online International conference: "COVID-19: GLOBAL VOICES" May 16, 2020 organised by Sharda University.
 - 7) Attended EFDP on (Teaching in uncertain times: Opportunities and challenges) organised by GTU and BITS from 30th April to 5th May.
 - 8) Attended EFDP on (Redefining the role of Educator in Covid-19 outbreak era) organised by GTU & Anand Pharmacy College 11th May 2020 to 16th May 2020).
 - 9) Participated in A Novel Concept-Clearing Quiz organized by SSIP Cell of, A-One Pharmacy College.
 - 10) Attended Three days seminar on "Stereochemistry" conducted by Dr. S.Y. Gabhe organised by Arihant School of Pharmacy and Bio-Research Institute held on 5th to 7th March, 2019.
 - 11) Attended Gujcost sponsored two days work shop on "Structural elucidation of organic compounds based on advanced spectroscopic techniques" organized by Parul Institute of Pharmacy, Parul University 12-13 September, 2018.
 - 12) Attended International conference on "Drug Design" held at JNU convention Centre New Delhi Organized by Schrodinger 7-9 April, 2017.
 - 13) Attended Two days Seminar and workshop on "Optimization and screening of Variables by DoE" held on 17th & 18th March 2017 organised by Department of Pharmacy, Sumandeep Vidyapeeth.
 - 14) Attended two days Seminar on "Spectral Interpretation – A Systemic Approach" held at Parul University on 30th & 31th January 2017.
 - 15) Organized "Pharmacy Week 2016" in Department of Pharmacy Sumandeep Vidyapeeth on 22nd to 24th November 2016.
 - 16) Attended Elsevier Workshop on Book Publishing organised by Gujarat Technological University, Chandkheda Campus on 28th September 2016.
 - 17) Attended National workshop on "Pharmacovigilance: Case Scenarios" held on 20th September 2016 organised by Department of Pharmacology, SBKS MI &RC and Department of Pharmacy, Sumandeep Vidyapeeth.
 - 18) Attended National seminar on "Continuous Pharmacy Education Program: Role of Pharm.D graduates in Various Health Services" held on 13th September 2016 organised by Department of Pharmacy, Sumandeep Vidyapeeth.
 - 19) Attended "Real time PCR Training for Fast Real Time Instrument" held on 7th and 8th July 2016 organised by Department of Pharmacy, Sumandeep Vidyapeeth.
 - 20) Attended "Two days refresher course for registered Pharmacist" held on 2nd and 3rd July 2016 organised by Department of Pharmacy, Sumandeep Vidyapeeth.
 - 21) Attended seminar on "CME on Awareness About patent and Legal Aspect of Intellectual Property Rights" held at Sumandeep Vidyapeeth on May 6, 2016.
 - 22) Attended National workshop on "Chemistry of Heterocyclic compounds" held on 19th April to 21st April 2016 organized by Arihant School of Pharmacy and Bio-Research Institute in association with Emcure Pharmaceuticals LTD.
 - 23) Attended National workshop on "Role of Clinician and Pharmacists in Implementing Pharmacovigilance to Overcome Adverse Drug Reactions and seminar on Cancer Treatment – A Global challenge" held on 21st and 22nd March 2016 organised by Department of Pharmacy, Sumandeep Vidyapeeth, (Pharmarendezvous-2016).
 - 24) Attended Faculty Enrichment Program held at Parul University on 17th to 22nd November 2015.
 - 25) Participated and Played active role in National Seminar on "Importance of Excipients in Formulation Development" held at Parul Institute of Pharmacy On 12th September 2015.
 - 26) Participated and Played active role in Central Technical Festival of GTU held at Arihant Campus on 21 & 22 March 2014.
 - 27) Participated in two days Seminar on "QSAR- A NOVEL TOOL IN DRUG DESIGN" held at Parul Institute of Pharmacy on 24th & 25th January 2014.
 - 28) Attended seminar on "Patent A Promising Approach in Pharma Sector" held at Arihant School Of Pharmacy March 8, 2013.
 - 29) Attended seminar on "Chemistry of carbonyl compounds" held at Dharamsinh Desai institute of Pharmacy Conducted by Dr.B.N. Suhagia on January 18-20, 2013.
 - 30) Attended seminar on "Essentials of Drug Design: Methods and Approaches" held at L.M. College

of Pharmacy on April 28, 2012.

31) Attended 61th Indian Pharmaceutical Congress, Ahmadabad, India in December 2009.

Notable Achievements and activity experience:

- ❖ Working as Head of GPP (GPAT preparation programme) at L.J. Institute of Pharmacy.
- ❖ Working as Nodel Officer (Admission Incharge) at L.J. Institute of Pharmacy.
- ❖ Won “EKLAVYA” award in Third year B.Pharm in L.M. College of pharmacy.
- ❖ Qualified GATE with 99.07 percentile in 2009.
- ❖ Delivered Lecture in Enzyme Niper Thrust about Advance Organic chemistry in 2010.
- ❖ Completed distance learning course of on “Intellectual Property” in World Intellectual Property Organization (WIPO).
- ❖ Delivered Lecture on Cheminformatics (COP) in M.G. science institute in 2011, 2012, 2013.
- ❖ Delivered Lecture in Enzyme Niper Thrust (ENT) about Stereochemistry in 2011, 2012, 2013.
- ❖ Delivered Lecture at Divyapath Campus about Selection of carrier after 12th passed students organized by Shraddha Academy in June 2013.
- ❖ Delivered Lecture in Pharma Thrust about basic Concepts of Organic Chemistry in 2012, 2013, 2015, 2016, 2017, 2018.
- ❖ Delivered Lecture in Pharma Plus about Recent Advance In Chemo Therapy in November 2014.
- ❖ Delivered Lecture in Pharma Plus about Stereochemistry in May 2015.
- ❖ Delivered Lecture in Blind People Association vastrapur on Importance of Education in June 2015.
- ❖ Delivered Lectures in Pharm.D course (first year, third year) about Pharmaceutical Organic Chemistry, Pharmaceutical Inorganic Chemistry, Medicinal Chemistry from 2015-2017.
- ❖ Worked as a Parul University Exam coordinator from September 2016 to January 2016.
- ❖ Worked as a Training and Placement officer from March 2015 to Jun 2015 at Arihant campus.

Association with Professional Bodies

Grants Received/Fetched:

Consultancy and Expertise available for industries
