

## CURRICULAR VITAE

**Full Name** : **Dr. RANJAN C. KHUNT**  
**Designation** : Assistant Professor  
 Department of Chemistry  
 Saurashtra University  
 Rajkot-360005  
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**Research Area** : Heterocyclic/ Medicinal Chemistry/Nano-  
 Science, NMR and Method validation  
**Number of research student guided** : 06  
**Academic Qualifications** :

Degree	Year	University/Institute
B.Sc	1994	Saurashtra University
M.Sc	1996	Saurashtra University
Ph.D.	2000	Saurashtra University
Diploma Patent law	2009	Nalsar Law University
GSET	2013	-
CCC+	2013	SPIPA

### Experience:

Duration	From	Organization	Position	Responsibility
<b>Teaching</b>				
11 yrs.	Jul'1999- Dec 2008	Saurashtra University	Assistant Professor (contract basis)	Teaching/Research
1yrs	Jan' 2012- Mar 2013	Saurashtra University	Assistant Professor (contract basis)	Teaching/Research
1yrs	Mar- 2013-jun 2014	H. and H.B. Kotak Institute of Science	Assistant Professor (Permanent)	Teaching/Research
5 yrs. and continue..	Jul'2014 onward	Saurashtra University	Assistant Professor (Permanent)	Teaching/Research
<b>Research</b>				
3yrs	Jan 2009- Dec2011	Saurashtra University	Principal Investigator	Fast track young scientist project DST

**Patent: 02**

Sr. No.	Name	Application No. & Date
1	Rod like nano-sized azidopentaamminecobalt(III)complexes as textile dyeing agents	201821035858 Date:24/09/2018
2	CHROMANE COMPOUNDS AS ANTI-CANCER AGENTS	201821043831 Date: 21-11-2018

**Research Projects** :**Completed Research Projects** :

Sr. No.	Title of the project	Funding Agency	Amount
1.	“Design, Synthesis and characterization of some new heterocycles as antitubercular agents”	DST, New Delhi	18.84 lakhs
2	“Design, synthesis and characterization of some heterocycles as anti HIV agents”	Saurashtra University	0.50 lakhs

**Ongoing Research Projects** :

Sr. No.	Title of the project	Funding Agency	Amount
1	Target identification ,development and structural modification of novel heterocyclic entities as an antitubercular agents	GUJCOST	3.95 lakhs
2	Rational In silico design, synthesis and discovery of new molecular motifs as potential anticancer agents.	GSBTM	15.3192 lakhs
3	Reaction Synthesis structural modification and discovery of new molecular moiety as potential anticancer agents	Saurashtra university	1.00 lakhs

**Professional Membership:****Executive member** Nuclear Magnetic Resonance Society, Mumbai**Life time member:** Indian Chemical Society, Calcutta.  
Indian Council of Chemist, Agra.  
Indian Society of Chemist and Biologist, Lucknow  
Nuclear Magnetic Resonance Society, Mumbai**Conferences** : **National (10), International (13)****Work Shop/Seminar/Conference attended:** **19****Publication** : **National (40), International (34)****Books published** : **06**

## **BOOK:**

1. "The Essence of Heterocycles"; New Age international Publication, New Delhi; **ISBN-978-81-224-3436-1.**
2. "HPTLC & Method Development": LAMBERT Academic Publishing, Herstellung; **ISBN: 978-3-659-27699-6.**
3. "Studies on Pyrimidine"; LAMBERT Academic Publishing, Herstellung; **ISBN:978-3-659-36310-8.**
4. "Basic Principle and practical Awareness of Various Unit process": LAMBERT Academic Publishing, Herstellung; **ISBN: 978-3-659-90262-8.**
5. "Chemistry-502(Organic Chemistry and Spectroscopy)": Bharat & Company, Rajkot; **ISBN: 978-93-52-36-079-6.**
6. "Organic Spectroscopy" published by: Saurashtra University, Rajkot. **ISBN: 978-81-9255-19-9-5.**

## **Conferences:**

### **International Conferences (Paper Presentation)**

1. Synthesis and screening of 2-amino-3-cyano-4-aryl-6-(2'-chloro-7'methoxy-quinolin-3'yl)pyridine by R. C. khunt, N.J. Datta and A.R. Parikh presented at International conference on chemistry and 36<sup>th</sup> annual convention of chemist, Calcutta, 11-16 Dec. 1999.
2. Synthesis of some pyrazoline derivatives as an antimicrobial agent by Ranjan C. Khunt and A.R. Parikh presented at International Conference on Heterocyclic Chemistry, Rajasthan University, Jaipur, 15-18. Dec. 2001.
3. Synthesis of 1-Phenyl-3-aryl-5-(2'-chloro-7'methoxyquinoline-3'-YL)pyrazolines as an antimicrobial agents by Ranjan Khunt, Neela Datta & A.R. Parikh presented at 2<sup>nd</sup> International seminar on current trends in new drug discovery org. by CDRI, Lucknow, 2004.
4. Synthesis of pyridine derivatives as an antimicrobial agent by Prakash Bhandari and R.C.khunt presented at 9<sup>th</sup> National conference on "Bioactive heterocycles and Drug Discovery paradigm org. by Department of chemistry and Indian society of Chemist and Biologist, at Rajkot, 2005.
5. Design and Synthesis of some new Thiazolidinones derivatives as an antitubercular agents by R.C.Khunt, R.K.Patel and N.A. Chauhan, presented at joint international conference on Advances in organic Chemistry and Chemical Biology, ICT, Hyderabad, 2006.
6. Synthesis and Bioevaluation of 3-[2' Di-chloro phenyl]-6-(4-aryl phenyl)[1,2,4] triazolo[3,4.-b] thiazoles as novel antitubercular agent. By A.L.pandya, R.C.Khunt and H.H.Parekh. Presented at joint international conference on Advances in organic Chemistry and Chemical Biology, ICT, Hyderabad, 2006.
7. Synthesis, Antitubercular and Antimicrobial Activity of Some Novel Imidazolinones and

Thiazolidinones by H G Sangani & R. C.Khunt\* presented at 10th International conference of Indian society of chemist and biologist, BITS, Pillani, Feb.2008.

8. 3D-QSAR study analysis of Chloroquinoline derivatives for antitubercular activity by Ranjan C. Khunt presented at International Conference of Chemist, Bangkok (Thailand) 11-15th June2011.
9. 3D-QSAR study and Pharmacophore Identification of Nitrogen containing Heterocycles as Novel antitubercular agents by Ranjan C. Khunt presented at 18th International Conference of ISCBS, Guwahati. 28-30th Jan. 2012(ORAL)
10. Synthesis, antitubercular evaluation and Recursive partitioning analysis of some Imidazole [1, 2-a] pyridine derivatives by Ranjan C. Khunt presented at 19th International Conference of ISCBS, Mohanlal sukhadia University, Udaipur, 2nd-5th March,2013(ORAL)
11. Attribution of Disparate Dimedone Derivatives: Synthesis as well Docking Studies against 5-HT<sub>2A</sub> Receptor by Ranjan C. Khunt presented at 22th International Conference of ISCBS, Uka Tarsadia University,surat, 6-8 Feb,2016 (ORAL)
12. Ugi Multicomponent Reaction and In-silico Study of Fluorinated carboxamides derivatives as an anti-tubercular agents by Ranjan C. Khunt presented at 23th International Conference of ISCBS, SRM University, Chennai, 8-10 February,2017 (ORAL).
13. Synthesis of novel imidazo[1,2-a]pyridine-4-hydroxy-2H-coumarins by GBB multicomponent reaction as potential NS5B inhibitors, by Ranjan C. Khunt presented at 24th International Conference of ISCBS, Manipal university, Jaipur, 10-12 January,2018 (ORAL).
14. Synthesis, characterization and Anti-cancer activities of novel Triazolo[3,4-e] purinderivatives. International Chemical Congress, 8-10 March, 2018, Sauraha,Chitwan, Nepal.

### **National Conferences:**

1. Synthesis of some novel isoxazole and pyrazoline derivatives as potential antimicrobial agents by Ranjan Khunt, D.J. Kaneria and H.H. Parekh\* presented at 49<sup>th</sup> Pharmaceutical Congress, Triventhpuram, 18-21st Dec. 1997.
2. Synthesis and screening of 2-(2'-Chloro-7''methoxyquinoline-3'yl)-3-aryl-5H/methyl-4thiazolidinones as novel bioactive molecules by Ranjan Khunt and A.R. Parikh\* presented at 35<sup>th</sup> Annual Convention of Chemists; Dharwad 4-7 Nov. 1998.(ORAL)
3. Studies on pyrazoline derivatives as novel pharmacological active compounds by R.C. Khunt, N. J. Datta and A.R. Parikh presented at National symposium on University-Industry interaction at Saurashtra Universiity, Rajkot,27-28 March,1999.
4. Synthesis and biological evaluation of some 5-oxo-imidazolines by Ranjan C. Khunt and A.R. Parikh presented at 37<sup>th</sup> Annual Convention of Chemist, Hardwar 15-18 Jan. 2000.

5. Design of some novel pyrazolines as an antimicrobial agents by S.R.Dhol, Ranjan Khunt and A.R. Parikh\* presented at XVII Gujarat Sciences Congress, org. by Saurashtra University at Rajkot, 2004.
6. Synthesis of 3-(1-Acetyl-3-methoxy-phenyl-4,5-Dihydro-1H-pyrazol-5-yl)-2-(p-chlorophenyl)-7-Methylimidazo[1,2-a]Pyridines an antimicrobial agents by Sunil Sanghai and Ranjan Khunt at Indian Council of Chemist, 26 Feb. Kalyan.,2007(**ORAL**)
7. Synthesis of some  $\beta$ -lactum derivatives bearing Naphthaline analogus heterocycles as anticancer and antimicrobial agents by Ranjan C. Khunt presented at 28th Annual convention of Chemist, Hemchandracharya University, Patan, 7-10th Nov. 2009.(**ORAL**)

### **Work Shop/Seminar/Conference attended**

15. Workshop Patent Awareness org. by Chemistry Department of Saurashtra University and TIFAC, Delhi, at Rajkot. 1999
16. Conference on “Structure based Drug design: Search for New drug” org. by Alembic Ltd. Baroda, 2002.
17. National Seminar on “Quality System in Analytical Laboratories” Org. by Span Education and Research foundation at Surat, 2004.
18. National Seminar on” Recent Advances in Nano Science and Technology org. by Department of Chemistry, Periyar University, Salam, 2005.
19. National Seminar on “Understanding Reaction Mechanism” org. by Chemistry Department of Saurashtra University at Rajkot, 2004.
20. National work shop on “Green Chemistry” org. by Nirma University and DST. At Ahmedabad, 2005.
21. National work shop on “Spectroscopy and Theoretical Chemistry” org. by M.S. University, Baroda, 2005.
22. National work shop on “Green Chemistry” org. by M.S. University, Baroda, 2006.
23. National work shop on “E.Resources in Chemical Synthesis and Natural product” org. by Saurashtra University, Rajkot, 2006.
24. Work shop on “Exploring and using MATLAB” org. by Computer Department, Saurashtra University, Rajkot, 2006.
25. National work shop on “Clinical Trials: Scope, Challenges, Regulation and Methodology of Working in India.Org. by S.J. Thakkar Pharmacy college, Rajkiot,2007.

26. National workshop on updates in process and medicinal chemistry, org. by National Facility for drug discovery through NCE's Development and Instrumentation and Department of chemistry, Saurashtra University, Rajkot. March, 2009.
27. National symposium on Recent Trends in Cellular Research Org. by Department of Biochemistry, Saurashtra University, Rajkot.2009.
28. National symposium on "Global prospective on Pharma patents" org. by Department of pharmaceutical sciences, Saurashtra University, Rajkot-2009.
29. One day workshop on "In global Health research and tele medicine" org. by Department of pharmaceutical sciences and faculty of Medicine, Saurashtra University, Rajkot-2009.
30. One day state level seminar on" Green Chemistry: Challenges and Solution" org. by Shree M. &N. Virani Science College, Rajkot, 19th Dec.2009.
31. 16th National Convention of Society of Pharmacognosy and International Symposium on herbal and traditional Medicine org. by Department of Pharmaceutical Science, saurashtra University, Rajkot,2012.