Kingdom of Saudi Arabia
Ministry of Higher Education
King Faisal University
College of Clinical Pharmacy

Name	**Dr. Katharigatta Narayanaswamy Venugopala**
Specialization	Pharmaceutical Chemistry
Current Position	Assistant Professor
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Academic Qualifications

Degree/year/university/country	***PostDoctoral Research,* 2013,** Department of Biotechnology and Food Technology, Durban University of Technology, Durban, South Africa.
Degree/year/university/country	***PostDoctoral Research,* 2011**, School of Chemistry, University of KwaZulu-Natal, Durban, South Africa.
Degree/year/university/country	***Doctorate in Pharmaceutical Chemistry***, **2008**, Rajiv Gandhi University of Health Sciences, Bangalore, India.
Degree/year/university/country	***Masters in Pharmacy (Pharmaceutical Chemistry)***, **200**1, Rajiv Gandhi University of Health Sciences, Bangalore, India.
Degree/year/university/country	***Post Graduate Diploma in Marketing Management***, **1999**, Bangalore University, India.
Degree/year/university/country	***Bachelor in Pharmacy (Pharmaceutical Sciences), 1997,*** Bangalore University, Bangalore, India.

Teaching Experience

College of Clinical Pharmacy, King Faisal University, Kingdom of Saudi Arabia.
Durban University of Technology, Durban, South Africa.
Al-Ameen College of Pharmacy, Bangalore, India.

Courses Taught and Teaching in KFU

- 2010212 : Medicinal Chemistry - I
- 2010222 : Medicinal Chemistry - II

Research Interests

1. Design and multi-step synthesis of heterocyclic compounds for MDR and XDR-TB, antimicrobial, analgesic, anti-inflammatory, antimosquito, and antioxidant activities.
2. Design and synthesis of natural cyclic depsi-peptide analogues for MDR and XDR-TB by solid and solution phase peptide synthesis method and current methods of isolation and characterization of products.
3. Crystallography and polymorphism of pharmacologically active heterocyclic compounds

Research Grants Received

1. Design, synthesis and characterization of pyrimidine molecular scaffolds for anti-TB activity, 2014.
2. Design, synthesis and characterization of novel pyrimidine analogues as antitubercular agents against MDR and XDR strains, 2012.
3. Design and synthesis of natural cyclic depsi-peptide analogues as antitubercular agents against MDR and XDR strains 2010.

Publications

1. Piyush P, **Venugopala KN**, Odhav B, Chopra D. Polymorphism in two biologically active dihydropyrimidinium hydrochloride derivatives: quantitative inputs towards the energetics associated with crystal packing. Acta Cryst 2014;B**70**:681-696.
2. Piyush P, **Venugopala KN**, Odhav B, Chopra D. Quantitative analysis of intermolecular interactions in 7-hydroxy-4-methyl-2*H*-chromen-2-one and its hydrate. Proc Natl Acad Sci India, B 2014;84(2):281-295.
3. **Venugopala KN**, Manjula K, Nayak SK, Bhat KS, Jayashankaragowda PV, Krishna RC, Raquel MG, Odhav B. Synthesis and antimosquito property of 2,6-substituted benzo[*d*]thiazole and 2,4-substituted benzo[*d*]thiazole analogues against *Anopheles arabiensis*. Eur J Med Chem 2013;65:295-303.
4. **Venugopala KN**, Rashmi V, Odhav B. Review on natural coumarin lead compounds for their pharmacological activity. BioMed Research International 2013;963248.v1:1-15.
5. **Venugopala KN**, Nayak SK, Pillay M, Renuka P, Coovadia YM, Bharti O. Synthesis and antitubercular activity of 2-(substitutedphenyl/benzyl-amino)-6-(4-chlorophenyl)-5-(methoxycarbonyl)-4-methyl-3,6-dihydropyrimidin-1-ium chlorides. Chem Biol Drug Design 2013;81:219-227.
6. **Venugopala KN**, Albericio F, Coovadia YM, Kruger HG, Maguire GEM, Pillay M, Govender T. Total synthesis of a depsidomycin analogue by convergent solid phase peptide synthesis and macrolactonization strategy for anti-tubercular activity. J Pep Sci 2011;17:683-689.
7. Nayak SK, **Venugopala KN**, Chopra D, Row TNG. Insights in to conformational and packing features in a series of aryl substituted ethyl-6-methyl-4-phenyl-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylates. CrystEngComm 2011;13:591-605.
8. Mahapatra S, **Venugopala KN**, Row TNG. A device to crystallize organic solids: ciprofloxacin, medazolam and ofloxacin as targets. CrystGrowthDes 2010;10:1866-1870.
9. Neithnadka PR, **Venugopala KN**, Govender T, Manuprasad BK, Sheena S, Pirama NA. Design, synthesis, characterization, and anti-bacterial activity of {5-chloro-2-[(3-substitutedphenyl-1,2,4-oxadiazol-5-yl)-methoxy]-phenyl}-(phenyl)-methanones. Eur J Med Chem 2010;45(6):2677-2682.
10. Nayak SK, **Venugopala KN**, Chopra D, Vasu, Row TNG. Effect of substitution on molecular conformation and packing features in a series of aryl substituted ethyl-6-methyl-4-phenyl-2-thioxo-1,2,3,4-tetrahydropyrimidine-5-carboxylates. CrystEngComm 2010;12,1205-1216.