

## FACULTY PROFILE



1	<b>Name</b>	Dr. G R Vijayakumar		
2	<b>Present Designation</b>	Assistant Professor		
3	<b>Department</b>	Chemistry		
4	<b>Date of Birth</b>	18-06-1978		
5	<b>Date of entry into service in Tumkur University</b>	21-01-2010		
6	<b>Date of entry into the Present Designation</b>	23-01-2008		
7	<b>Residential Address</b>	'Srivathsa' 1 <sup>st</sup> Main, 1 <sup>st</sup> 'C' Cross, Nrupathunga Extension (Behind HMS polytechnic) , Tumkur-572102		
8	<b>Mobile Number</b>	+91-9880745882		
9	<b>Email ID</b>	<a href="mailto:vijaykumargr18@yahoo.co.in">vijaykumargr18@yahoo.co.in</a> ; <a href="mailto:vijayakumar@tumkuruniversity.in">vijayakumar@tumkuruniversity.in</a>		
10	<b>PAN No.</b>	AHOPV0399N		
11	<b>Aadhar Card Id No.</b>	5722 8243 4047		
12	<b>Passport No.</b>	G0242399		
13	<b>Academic Qualification</b>			
	<b>Degree</b>	<b>University</b>	<b>Year of Award</b>	
a	Post Graduate Degree	Kuvempu University	2001	
b	M.Phil.			
c	Ph.D.	Mysore University Working Institution: Central Food Technological Research Institute, Mysore-570020	2007	
	Ph.D. Topic:	"Enzymatic synthesis of selected glycosides"		
	Guided By:	Dr. S. Divakar, CFTRI, Mysore		
14	NET – Year of Passing			Joint CSIR-UGC Junior Research Fellowship-2002 Awarded - JRF CHEMICAL SCIENCES
15	SLET/KSET – Year of Passing			-
	<b>Graduate Aptitude Test in Engineering – 2002 (GATE – 2002)</b> Subject–CHEMISTRY	Percentile Score – 79.12		
16	<b>Area of Research Specialization</b>	Organic Chemistry; Bioinorganic chemistry		
17	<b>Teaching Experience</b>	6 Years		
	<b>Designation</b>	<b>From</b>	<b>To</b>	<b>Place</b>
	Assistant Professor	23-01-2008	20-01-2010	Govt. Science College, B.H. Road, Tumkur-572103
	Assistant Professor	21-01-2010	Till date	University College of Science, Tumkur University, Tumkur-572103

18	<b>Administrative Experience</b>	<b>01 year</b>		
	<b>Designation</b>	<b>From</b>	<b>To</b>	<b>Place</b>
	Hostel Warden	01-10-2011	10-07-2012	Ladies Hostel University College of Science, TU, Tumkur
19	<b>Research Guidance</b>			
A	<b>Ph.D.</b>	<b>Guiding 4 Students</b>		
	<b>Name of Student</b>	<b>Thesis</b>	<b>Year</b>	
B	<b>M.Phil.</b>	<b>NIL</b>		

20	<b>Papers Presented/ Lecturers Delivered/ Sessions Chaired in Conference and Symposia (International)</b>	<b>(Tick below)</b>		
	<b>Details</b>	<b>Paper Presented</b>	<b>Lecture Delivered</b>	<b>Session Chaired</b>
1	Lohith, K., <b>Vijayakumar, G.R.</b> , Divakar, S., 2003. Lipase catalyzed synthesis of glucose esters of amino acids. A poster presented at 5 <sup>th</sup> International Food Convention 2003 held at CFTRI, Mysore, India on 5 <sup>th</sup> – 8 <sup>th</sup> December 2003.	✓		
2	<b>G. R. Vijayakumar</b> , B.N Devaraju, B.M. Kiran, A. Sudakara & K.M Mahadevan. 2009. Large Scale, High Yield Synthesis of 1-piperonylpyperazine. A poster presented at <u>International Conference</u> on Current Trends in Chemistry and Biochemistry, ICCTCB-2009 organized by Department of Chemistry and Biochemistry at Central College campus, Bangalore University, Bangalore-01, India, on December 18 <sup>th</sup> to 19 <sup>th</sup> , 2009	✓		
21	<b>Papers Presented/ Lecturers Delivered/ Sessions Chaired in Conference and Symposia (National)</b>	<b>(Tick below)</b>		
	<b>Details</b>	<b>Paper Presented</b>	<b>Lecture Delivered</b>	<b>Session Chaired</b>
1	<b>Vijayakumar, G.R.</b> , Divakar, S., 2004. Amyloglucosidase catalyzed synthesis of food additive glucosides. A poster presented at the 73rd annual meeting of Society of Biological Chemists (India), held at G.B. Pant University of Agriculture and Technology, Panthnagar, India on 21 <sup>st</sup> – 24 <sup>th</sup> November 2004.	✓		
2	<b>Vijayakumar, G.R.</b> , Divakar. S., 2005. Amyloglucosidase catalyzed synthesis of curcuminyl-bis- $\alpha$ -D-glucoside. A poster presented at the 74 <sup>th</sup> Annual meeting of Society of Biological Chemists (India), held at CDRI, Lucknow on 7 <sup>th</sup> – 10 <sup>th</sup> November 2005.	✓		
3	<b>G. R. Vijayakumar</b> , Subramanya hedge, R. Yashoda, K. C. S. Sowmya, K. Manjunatha, and D. P. Hanumantaharaju. One pot synthesis of 2, 4, 5-trisubstituted imidazole derivatives and preparation of 2-salicylyl-4,5 diphenyl imidazole metal complexes. A poster presented at "Knowledge Utsav" a national level conference held on 28 <sup>th</sup> August 2010, organized at Jain University Campus, Bangalore.	✓		
4	Kishor kumar C, <b>Vijayakumar G. R.</b> , Nagraj Naik. Microwave-assisted synthesis of N-methyl 6-heterocyclic-1-oxoisindoline derivatives. A poster presented at two day National Conference on Social Relevance of Chemical Sciences (SRCS-2011) held in the Department of Chemistry, Kuvempu University, Jnana Sahyadri during 26 & 27, March 2011.	✓		
5	Kishor kumar C, <b>Vijayakumar G. R.</b> , Nagraj Naik. Synthesis and	✓		

	antioxidant activity studies of 3-Oxoisoindoline-5-carboxamides. A poster presented at two day National Conference on Social Relevance of Chemical Sciences (SRCS-2011) held in the Department of Chemistry, Kuvempu University, Jnana Sahyadri during 26 & 27, March 2011.			
6	Naveen M H, Shivaraj Y and <b>Vijayakumar G R</b> , Synthesis and Characterization of Novel Quinoline carboxamide derivatives. Poster presented at one day National Conference on <b>Green and Sustainable Chemistry</b> held on 25 <sup>th</sup> February 2012.	√		
22	<b>Books</b>			
	<b>Chapters</b>			
	Details			
23	<b>Research Publications in Refereed Journals</b>			
	Details			
	1. <b>Vijayakumar, G.R.</b> , Lohith, K., Somashekar, B.R., Divakar, S., 2004. Lipase catalyzed synthesis of L-alanyl, L-leucyl and L-phenyl alanyl esters of D-glucose using unprotected amino acids. <b>Biotechnol. Lett.</b> 26, 1323-1328.			
	2. <b>Vijayakumar, G.R.</b> , Manohar, B., Divakar, S., 2005. Amyloglucosidase catalyzed synthesis of n-octyl-D-glucoside-Analysis using Response Surface Methodology. <b>Eur. Food Res. Technol.</b> 220, 272-277.			
	3. <b>Vijayakumar, G.R.</b> , Divakar, S., 2005. Synthesis of guaiacol- $\alpha$ -D-glucoside and curcumin-bis- $\alpha$ -D-glucoside by an amyloglucosidase from <i>Rhizopus</i> . <b>Biotechnol. Lett.</b> 27, 1411-1415.			
	4. <b>Vijayakumar, G.R.</b> , Manohar, B., Divakar, S., 2006. Amyloglucosidase catalyzed synthesis of curcumin-bis- $\alpha$ -D-glucoside-A Response Surface Methodological study. <b>Eur. Food Res. Technol.</b> 223, 725-730.			
	5. Sivakumar, R., <b>Vijayakumar, G.R.</b> , Manohar, B., Divakar, S., 2006. Competitive substrate inhibition of amyloglucosidase from <i>Rhizopus</i> sp. by vanillin and curcumin. <b>Biocatal. Biotransform.</b> 24, 299-305.			
	6. K. Lohith, <b>Vijayakumar, G.R.</b> , Somashekar, B.R., Sivakumar, R., Divakar, S., 2006. Glycosides and amino acyl esters of carbohydrates as potent inhibitors of Angiotensin Converting Enzyme. <b>Eur. J. Med. Chem.</b> 41, 1059-1072.			
	7. <b>Vijayakumar, G.R.</b> , Charles G., Divakar, S., 2007. Synthesis of n-alkyl glucosides by amyloglucosidase. <b>Ind. J. Chem. Sec B.</b> 46B, 314-319.			
	8. <b>Vijayakumar, G.R.</b> , Divakar, S., 2007. Amyloglucosidase catalyzed synthesis of eugenyl and curcuminyl glycosides. <b>Biotechnol Lett.</b> 29, 575-584.			
	9. Kishor kumar C, Vijaykumar H, <b>G. R. Vijayakumar</b> , Nagraja Naik. 2010, 3-Oxoisoindoline-5-carboxamides: Synthesis and their Antioxidant Activity Studies. <b>Journal of Pharmaceutical Science and Technology</b> Vol. 2 (12), 380-390.			
	10. Shivaraj, Y., Naveen, M. H., <b>Vijayakumar, G. R.</b> , Aruna Kumar, D. B. 2013. Design, Synthesis and Antibacterial Activity Studies of Novel Quinoline Carboxamide Derivatives. <b>J. Korean Chem. Soc.</b> Accepted.			
	11. M Shet prakash, V P vaidya, K. M. Mahadevan, <b>G. R. Vijayakumar</b> , S. sreenivasa, M. K. Shivanada, P. A. Suchethan. Synthesis characterization and antimicrobial activities of some novel carboxamides derived from naphthofurans and 1,2,4-triazoles. Published in the proceedings of National Conference on Challenges and opportunities for chemical sciences in 21 <sup>st</sup> century held on 8 <sup>th</sup> January 2013.			

24 Research Projects				
A	On going			
	Title of Project	Funding Agency	Duration	Amount Sanctioned
	1. Principal Investigator: "Design, synthesis, characterization and evaluation of anticancer activities of novel barbiturates containing substituted amine derivatives"	DST-SERB (On-going)	(2012-2015) 3 Years	Rs. 25,02,000=00
	2. Principal Investigator: "Design, Synthesis, Characterization and Evaluation of Anticancer and Antitumor activities of Ruthenium and other transition metal based complexes"	UGC (Sanctioned)	(2013-2016) 3 Years	Rs. 11,03,000=00
	3. Co investigator: "Establishment of Nano center for nano-biosciences"	DST Nano Science & Technology Initiative (On-going)	5 Years	Rs. 100.00 Lakhs
B	Completed	NIL		
	Title of Project	Funding Agency	Duration	Amount Sanctioned
25 Membership of Professional Organizations				
	Member of Board of Studies (PG Chemistry), Tumkur University, Tumkur, from 2009 to till date.			
	Member of Chemistry Teachers Forum, Tumkur University, Tumkur			
26 Official Foreign Visits				
	NIL			
Patents				
	1. Lohith, K., <b>Vijayakumar, G.R.</b> , Manohar, B., Divakar, S., 2003. An improved method for the preparation of aminoacyl esters of monosaccharidses. PCT/IN03/00466, NF-492.			
	2. <b>Vijayakumar, G.R.</b> , Manohar, B., Divakar, S., 2003. An enzymatic process for the preparation of alkyl glycosides. NF-512/2003.			
	3. <b>Vijayakumar, G.R.</b> , Manohar, B., Divakar, S., 2004. An improved enzymatic method for the preparation of glycosides. NF-165/2004.			
	4. <b>Vijayakumar, G.R.</b> , Manohar, B., Divakar, S., 2004. An enzymatic method for the preparation of curcumin glycoside. 756/DEL/2005.			