

## FACULTY PROFILE



1	<b>Name</b>	Narendra N	
2	<b>Present Designation</b>	Assistant professor	
3	<b>Department</b>	Chemistry	
4	<b>Date of Birth</b>	08/08/1981	
5	<b>Date of entry into service in Tumkur University</b>	10/05/2010	
6	<b>Date of entry into the Present Designation</b>	10/02/1981	
7	<b>Residential Address</b>	#13/4, Nalinashree, Grape Garden, Hanumanthapura Link Road, Vidyanagar, Tumkur	
8	<b>Mobile Number</b>	8970968688	
9	<b>Email ID</b>	<a href="mailto:narendrachem@gmail.com">narendrachem@gmail.com</a> ; <a href="mailto:narendran@tumkuruniverstiy.in">narendran@tumkuruniverstiy.in</a>	
10	<b>PAN No.</b>	AMTPN1042Q	
11	<b>Aadhar Card Id No.</b>	5947 7050 3344	
12	<b>Passport No.</b>	F683 1994	
13	<b>Academic Qualification</b>		
	<b>Degree</b>	<b>University</b>	<b>Year of Award</b>
a	Post Graduate Degree	MSc. In Chemistry (specialization: Organic Chemistry) Bangalore university	2005
b	M.Phil.		
c	Ph.D.	<b>Ph. D thesis submitted to Bangalore University for the award of the degree</b>	
	Ph.D. Topic:	<b>Thesis title: Chemical synthesis of peptidomimetics: Studies on synthesis of N-Fmoc-<math>\beta</math>-amino alkyl isonitriles and their synthetic applications; amino acid analogues and dipeptidomimetics containing thiazole units; carbon nanotubes conjugates of <math>\alpha</math>-ureidopeptides and new methods to <math>\alpha</math>-ureidopeptides</b>	
	Guided By:	Prof. V. V. Sureshbabu, Department of Chemistry, Central College campus, Bangalore University, Bangalore	
14	NET – Year of Passing	2006	
15	SLET/KSET – Year of Passing		
16	<b>Area of Research Specialization</b>	Organic chemistry	

17	<b>Teaching Experience</b>			
	<b>Designation</b>	<b>From</b>	<b>To</b>	<b>Place</b>
	Assistant Professor	10-05-2010	Till date	Department of Chemistry, University College of Science, TumkurUniversity
18	<b>Administrative Experience</b>			
	<b>Designation</b>	<b>From</b>	<b>To</b>	<b>Place</b>
	Nil			
19	<b>Research Guidance</b>			
A	<b>Ph.D.</b>	<b>Nil</b>		
	<b>Name of Student</b>	<b>Thesis</b>	<b>Year</b>	
B	<b>M.Phil.</b>			
	<b>Name of Student</b>	<b>Thesis</b>	<b>Year</b>	
	Nil			

20	<b>Papers Presented/ Lecturers Delivered/ Sessions Chaired in Conference and Symposia (International)</b>			(Tick below)		
	Details			Paper Presented	Lecture Delivered	Session Chaired
	3 <sup>rd</sup> Indian Peptide Symposium organized by Indian peptide society. 24 <sup>th</sup> to 25 <sup>th</sup> May2011, Pune (An international conference)			Yes		
21	<b>Papers Presented/ Lecturers Delivered/ Sessions Chaired in Conference and Symposia (National)</b>			(Tick below)		
	Details			Paper Presented	Lecture Delivered	Session Chaired
	30 <sup>th</sup> Annual conference of Indian Council of Chemists organized by Indian Council of Chemists. 28 <sup>th</sup> to 30 <sup>th</sup> December, Dept. of Chemistry, Osmania University, Hyderabad			Yes		
	National Conference on Organic Chemistry & Process research Construction) held at Stella Mary's College Chennai 24-25 <sup>th</sup> January, 2013. Paper title: 1,1'-iminodicarboxylated peptidomimetics: A new approach through Ugi-four component reaction (U-4CR) (the paper was awarded first prize)			Yes		
22	<b>Books</b>					
	<b>Chapters: One</b>					
	Details					
	"Protection Reactions" to the text book "Amino acids, Peptides and Proteins in Organic Chemistry" Vol. 4. <i>Protection Reactions, Combinatorial and Medicinal Chemistry</i> : Edited by Prof. Andrew Hughes, published by the John Wiley & Sons. Wienhamm, Germany					

23	<b>Research Publications in Refereed Journals</b>	
	Details	
	<b>Reviews: One</b> Total chemical synthesis of polypeptides and proteins: Chemistry of ligation techniques and beyond, <i>Tetrahedron report</i> , H. P. Hemantha, <b>N. Narendra</b> and V. V. Sureshbabu (2012, 68, 9491-9537)	
	<b>Research papers: 21</b>	
	T. M. Vishwanatha, <b>N. Narendra</b> , BasabChattopadhyay, Monika Mukherjee, and V. V. Sureshbabu*	Synthesis of selenoxo peptides and oligoselenoxo peptides employing LiAlHSeH <b>J.Org.Chem.</b> 2012, 77, 2689-2702
	<b>N. Narendra</b> , T. M. Vishwanatha, G. Nagendra, V. V. Sureshbabu*	Chiral N $\beta$ -Fmoc-amino alkyl isonitriles in Ugi-4CR: an assembly of novel 1,1'-iminodicarboxylated peptidomimetics <b>Tetrahedron</b> 2012, 68, 1992-2000
	T. M. Vishwanatha, <b>N. Narendra</b> , V. V. Sureshbabu*	Synthesis of $\beta$ -lactumpeptidomimetic through Ugi MCR: First application of chiral N $\beta$ -Fmoc amino alkyl isonitrile in MCRs <b>Tetrahedron Lett.</b> 2011, 52, 5620-5624
	<b>N. Narendra</b> , T. M. Vishwanatha, V. V. Sureshbabu*	Hydantoin-free synthesis of peptide ester isocyanates, isothiocyanates and dipeptidylureas: Application of Zn-dust in carbonylation procedure without base <b>Synthesis</b> 2011, 3247-3254
	M, Ramesh, B. Raju, R. Srinivas, V. V. Sureshbabu,* <b>N. Narendra</b> , B. Vasantha	Characterization of N $\alpha$ -Fmoc-protected ureidopeptides by electrospray ionization tandem mass spectrometry (ESI-MS/MS): differentiation of potential isomers <b>J. Mass. Spectrom.</b> 2010, 45, 1461-1472
	<b>N. Narendra</b> , T. M. Vishwanatha, V. V. Sureshbabu*	Peptidomimetics through Click Chemistry: Synthesis of novel $\beta$ -keto triazole acids from N-protected amino acids <b>Int. J. Pept. Res. Ther.</b> 2010, 16, 283-290.
	BasabChattopadhyaya, Alok K. Mukherjee, <b>N. Narendra</b> , H. P. Hemantha, V. V. Sureshbabu,* MadelieneHelliwell, Monika Mukherjee	Supramolecular architectures in 5,5'-substituted hydantoins: crystal structures and Hirshfeld surface analyses <b>Crystal Growth and Design</b> 2010, 10, 4476-4484
	<b>N. Narendra</b> , H. S. Lalithamba, V. V. Sureshbabu*	An efficient one-pot access to the synthesis of trithiocarbamate linked peptidomimetics <b>Tetrahedron Lett.</b> 2010, 51, 6169-6173
	Nagendra, G., Ravi, S.L., <b>N. Narendra</b> , N, V. V. Sureshbabu*	Synthesis of orthogonally protected 1,3,4-oxadiazole and 1,3,4-thiadiazole peptidomimetics <b>Tetrahedron Lett.</b> 2010, 51, 6338-6341
	Lalithamba H. S., <b>N. Narendra</b> , N., Shankar A. N., V. V. Sureshbabu*	Ultrasound mediated synthesis of 2-amino-1,3-selenazoles derived from Fmoc/Boc/Cbz-protected $\alpha$ -amino acids <b>ARKIVOC</b> 2010, Xi, 77-90
	Basavaprabhu, <b>N. Narendra</b> , S. L. Ravi, V. V. Sureshbabu*	T3P (propylphosphonic anhydride) mediated conversion of carboxylic acids into acid azides and one pot synthesis of ureidopeptides <b>Tetrahedron Lett.</b> 2010, 51, 3002-3005
	V. V. Sureshbabu,* H. S. Lalithamba, <b>N. Narendra</b> , H. P. Hemantha	New and simple synthesis of acid azides, ureas and carbamates from carboxylic acids : Application of peptide coupling agents EDC and HBTU <b>Org. &amp; Biomol. Chem.</b> 2010, 8, 835-840.

B Chattopadhyay, H P Hemantha, <b>N. Narendra</b> , V. V. Sureshbabu, J. E. Warren, M. Helliwell, a. K. Mukherjee, M. Mukherjee*	Polymorphism in a symmetrical dipeptidyl urea with $Z^{1>1}$	<b>Crystal Growth &amp; Design</b> 2010, 10, 2239-2246
V. V. Sureshbabu,* <b>N. Narendra</b> , H. P. Hemantha, G. Chennakrishnareddy	Click chemistry aided synthesis of 1, 4-substituted 1,2,3-triazole linked N-Fmoc protected triazole-amino acids: Isolation, characterization and synthesis of novel triazole based amino free unnatural amino acids	<b>Protein &amp; Peptide Lett.</b> 2010, 17, 499-506.
<b>N. Narendra</b> , T. M. Vishwanatha,, N. S. Sudarshan, V. V. Sureshbabu*	Fmoc protected halomethylketone mediated efficient one pot synthesis of thiazole derivatives of amino acids and orthogonally protected dipeptide mimetics	<b>Protein &amp; Peptide Lett.</b> 2009, 16, 1029-1035.
V. V. Sureshbabu,* Shankar A. Naik, H. P. Hemantha., Narendra, N., Das, U, Guru Row, T. N.	N-Urethane Protected Amino Alkyl Isothiocyanates: Synthesis, Isolation, Characterization, and Application to the Synthesis of Thioureidopeptides	<b>J. Org. Chem.</b> 2009, 74, 5260-5266.
<b>N. Narendra</b> , G. Chennakrishnareddy, V. V. Sureshbabu*	Application of Carbodiimide Mediated Lossen Rearrangement to the Synthesis of $\alpha$ -Ureidopeptides and PeptidylUreas employing N-Urethane $\alpha$ -Amino/PeptidylHydroxamic Acids	<b>Org. &amp; Biomol. Chem.</b> 2009, 7, 3520-3526.
V. V. Sureshbabu,* <b>N. Narendra</b> , G. Nagendra	Chiral N-Fmoc- $\beta$ -amino alkyl isonitriles derived from amino acids: Synthesis and application in 1-substituted tetrazoles synthesis	<b>J. Org. Chem.</b> 2009, 74, 153-157.
V. V. Sureshbabu,* <b>N. Narendra</b> , Kantharaju	Pentafluorophenyl-(tert-butoxycarbonylamino)methyl carbamates: Synthesis, isolation and application to the synthesis of ureidopeptides	<b>Ind. J. Chem.</b> 2008, 47B, 920-926.
V. V. Sureshbabu,* N Narendra	Synthesis of N-Z, N'-formyl- $\alpha$ -amino acid derived gem-diamines	<b>Int. J. of Pep. Res &amp; Therapeutics</b> 2008, 14, 201-207.
V. V. Sureshbabu,* Rao Venkataramanarao, <b>N. Narendra</b>	Synthesis of ureido linked glycosylated amino acids from N-Fmoc-Asp/Glu-5-oxazolidinones and their application to neoglycopeptides synthesis	<b>Synth. Commun.</b> 2008, 38, 3640-3654.
V. V. Sureshbabu,* G Chennakrishnareddy, <b>N. Narendra</b>	A facile and one-pot synthesis of $N\alpha$ Fmoc/Bsmoc/Boc/Z- protected ureidopeptides and peptidylureas employing diphenylphosphorylazide [DPPA]	<b>Tetrahedron Lett.</b> 2008, 49, 1408-1412.
K. SrinivasaSarma, V. V. Sureshbabu,* R Venkataramanarao, H. P. Hemantha, <b>N. Narendra</b>	The utility of Fmoc-Asp/Glu derived 5-oxazolidinones for side chain carboxyl group modifications	<b>Proc. 4th International Peptide Symposium -7th Australian Peptide Conference – 2nd Asia-Pacific International Peptide Symposium</b> , Jackie Wilce (Ed), Australian Peptide Association, (2008), pp.259-261.

	V. V. Sureshbabu,* N. S. Sudarshan, L. Muralidhar, <b>N. Narendra</b>	Synthesis of N-urethane protected $\beta$ -amino alcohols employing N-protected- $\alpha$ -amino acyl benzotriazoles	<b>J. Chem. Res.</b> 2007, 683-685.
	N. S. Sudarshan, <b>N. Narendra</b> , H. P. Hemantha, V. V. Sureshbabu*	An efficient conversion of carboxylic group of N-Fmoc- $\alpha$ -amino acids/peptide acids into N-formamides employing isocyanates as key intermediates	<b>J. Org. Chem.</b> 2007, 72, 9804-07.
24	<b>Research Projects</b>		
<b>A</b>	<b>On going</b>		
	<b>Title of Project</b>	<b>Funding Agency</b>	<b>Duration</b>
	Nil		
<b>B</b>	<b>Completed</b>		
	<b>Title of Project</b>	<b>Funding Agency</b>	<b>Duration</b>
	Nil		
25	<b>Membership of Professional Organizations</b>		
	Student member: Indian Peptide Society, New Delhi		
26	<b>Official Foreign Visits</b>		
	Nil		