

CURRICULUM VITAE

Name : Prof. C. Venkata Rao
Age & Date of Birth : 01/07/1960
Present Designation : Professor
Educational Qualifications : M.Sc., Ph.D.
Teaching Experience : 27y
Post Graduate Teaching Experience : 27y
Research experience : 32y



Research Guidance and Supervision (furnish list as per format)

M.Phil

Guidance

Awarded : 4 Members

S.No	Name of the Candidate	Title of the Thesis	Year of Award
1.	K. Veena Vani	Synthesis and bio-activity studies of some imidazole derivatives	2010
2.	K. Prasanthi	Flavonoid constituents of Phyllathus polyphyllus	2011
3.	V. Deepthi	Synthesis of 2-amino thiazole derivatives	2012
4.	G. Lakshmi teja	Synthesis and characterization of heterocyclic compounds	2015

Ph.D. Guidance

Awarded : 19 Members

S. No.	Name of the Candidate	Title of the Thesis	Year of Award
1.	Y.Koteswara rao	Isolation, Synthesis and structural studies of Flavonoids	2002
2.	V.Siddaiah	Synthesis and structural studies of Flavonoids	2007
3.	M.Mahesh	Synthesis and structural studies of Natural Products	2008
4.	V.MadhavaRao	Synthesis and Bioactivity of styrylchromones	2008
5.	M. Suresh	Synthesis, and Bio activity Evaluation of Carbohydrate Derived Natural Products	2010
6.	G. L.V. Damu	Synthesis, Bio activity Evaluation of Heterocyclic Compounds and Development of Novel Synthetic Methodologies	2011

7.	D. Sudhakar	Development of Some New Synthetic Methodologies And Chemical Investigation of Medicinal Plant Constituents	2011
8.	P. Lavanya	Synthesis , Biological Studies of Heterocyclic Compounds And Development of Synthetic methodologies	2011
9.	V. Jhansirani	Synthesis and Biological Evaluation of Novel Heterocyclic Compounds And Development of Synthetic methodologies	2012
10.	M. Suresh	Synthesis of Heterocyclic Compounds Biological Studies And Development of Synthetic methodologies	2012
11.	C. Sampath	Synthesis, Spectral Characterization and Bioactivity of novel organophosphorous Compounds	2013
12.	M. Purushotham	Synthesis and Bioactivity Studies of Heterocyclic Compounds	2014
13.	K. Veena Vani	Synthesis and Bioactivity Studies of Novel Heterocyclic Compounds	2014
14.	Y. Kotaiah	Synthesis, Biological Studies Of Novel Heterocyclic Compounds and Development of Synthetic Methodologies.	2014
15.	G. Ramesh	Synthesis and Bioactivity Studies of Some Novel Heterocyclic Compounds	2014
16.	K. Vasu	Total synthesis of Jaspine-B Epimers, Synthesis and Bio-activity of Novel Heterocyclic Compounds	2015
17.	K. Nagaraju	Development of New Synthetic Methodologies. Synthesis and Bio-activity Evaluation of Of Some Heterocyclic Compounds	2015
18.	N. Harikrishna	Synthesis and Bioactivity of Some Heterocyclic Compounds	2015
19.	B. Nagarjuna	Towards the synthesis of centrolobine, diospongin and their congeners and stereoselective total synthesis of botryolide-E	2016

Full-time on going : 3 Members

Part-Time on Going : 5 Members

Research Projects: (furnish list as per format in Annexure-I)

Completed : Three Projects

Publications (furnish year wise list as per format in Annexure-II): 2009-16

No.of.Papers published in National Journals : 5
International Journals : 46

No. of Seminars / Conferences / workshops Organized : Two Conferences & One
Work shop

No. of Seminars / Conferences / workshops Attended : 7
(International)

No. of Seminars / Conferences / workshops Attended : 3
(National)

No. of Seminars / Conferences / workshops in which
Served as resource person : 3

Awards Received :

- Junior and SRF Senior Research Fellow, CSIR New Delhi, 1984-89.
- INSA visiting Fellow- Indian Institute of Science, Bangalore, 1999.

Professional Experience (*Membership in Professional Bodies*):

Administrative Experience :Currently working as Warden
(S.V.U research scholars hostels for men)

MoU's

Other Experience / Expertise

Annexure-I

Completed Projects:

Name of the Faculty	Project Title	Funding Agency	Year	Amount
Prof. C. Venkata Rao	Synthesis of 2- <i>Strylchromones</i> and Cytotoxicity Evaluation	UGC, Govt. of India, New Delhi	2009-12	12 Lakhs
	Anticancer compounds from <i>Pimpinella tirupatiensis</i> and <i>Cycas beddomei</i> discovery and development	MoES, Govt. of India, New Delhi	2010-12	10.5 Lakhs
	Synthesis and bioassay of novel thieno[3,2-d]pyrimidine compounds	CSIR, Govt. of India, New Delhi.	2012-15	14 Lakhs

Annexure-II

Publications: (First Author, Co-Authors, Title of the Paper, Journal Name, ISBN/ISSN No., year)

2016

1. K. Venna Vani, G.Ramesh, **C. Venkata Rao**, Synthesis of New Triazole and Oxadiazole Derivatives of Quinazolin-4(3H)-one and Their Antimicrobial Activity, *Journal of Heterocyclic Chemistry*, ISSN: 1943-5193, **2016**.
2. C. Sampatha, C. Naga Raju, and **C. Venkata Rao**, An efficient synthesis, spectral characterization, antimicrobial, and antioxidant activities of novel α -hydroxyphosphonates and α -hydroxyphosphinates, *Phosphorus, Sulfur, Silicon and related elements*, **2016**.

2015-16

3. K. Venna Vani, G.Ramesh, **C. Venkata Rao**, Synthesis, Spectral characterization, and Antimicrobial activity of novel 2,4,6 trisubstituted quinazoline derivatives by Buchwald and Suzuki coupling reactions, *Journal of Heterocyclic Chemistry*, ISSN: 1943-5193, **2015**.
4. B. Nagarjuna B. Thirupathi **C. Venkata Rao**, D. K. Mohapatra, Chemoenzymatic total synthesis of four stereoisomers of centrolobine, *Tetrahedron Letters*, ISSN: 0040-4039, **2015**.
5. K. Vasu, K. Nagaraju, N. Harikrishna, **C. Venkata Rao**, Synthesis of some new 1,2,4-triazoles, their schiff's base derivatives and investigation of their antimicrobial activities *Indo American Journal of PharmaTech Research*, ISSN: 2231-6876, **2015**.

6. K. Nagaraju, N. Harikrishna, K. Vasu and **C. Venkata Rao**, Synthesis and biological activity of novel bis and mono heterocycles of thienopyrimidine derivatives, *Indo American Journal of Pharmaceutical Research*, ISSN: 2231-6876, **2015**.
7. C.Sampath, C.Naga Raju, and **C. Venkata Rao**, Synthesis, spectroscopic characterization, antimicrobial and antioxidant activities of novel phosphorylated derivatives of amlodipine, *Phosphorus, Sulfur, Silicon and related elements*, ISSN: 0971-1627, **2015**.
8. N. Harikrishna, K. Nagaraju, S. Trilokanath and **C. Venkata Rao**, Chemical Constituents from *Cycas beddomei* and Their Bioactivity Studies, *International Journal of Pharmaceutical and chemical sciences*, ISSN: 2277-5005, **2015**.
9. M. Suri Appa Rao, G. Suresh, P. Ashok Yadav, K. Rajendra Prasad, P. Usha Rani, **C. Venkata Rao**, K. Suresh Babu, Piscidinols H-L, apotirucallane triterpenes from the leaves of *Walsura trifoliata* and their insecticidal activity, *Tetrahedron*, ISSN: 0040-4020, **2015**.
10. B. Poornima, Bandi Siva, G. Shankaraiah, A. Venkanna, V. Lakshma Nayak, Sistla Ramakrishna, **C. Venkat Rao**, K. Suresh Babu, Novel sesquiterpenes from *Schisandra grandiflora*: Isolation, cytotoxic activity and synthesis of their triazole derivatives using “click” reaction, *European Journal of Medicinal Chemistry*, ISSN: 0223-5234, **2015**.

2014-15

11. Aatur Rahman Md, Nagarjuna B and C. Venkata rao, Stereoselective total synthesis of Botryolide E, *International Journal of chemical and Pharmaceutical sciences*, ISSN: 0976-9390, **2014**.
12. N. HariKrishna, **C. Venkata Rao**, Synthesis cytotoxic activity and photophysical properties of 7-amino-4-methyl coumarine based 1,4-disubstituted 1,2,3-triazole derivatives by click chemistry, *American Journal of Pharma Tech Research*, ISSN: 2249-3387, **2014**.
13. N. HariKrishna, K.Vasu, K. Nagaraju, **C. Venkata Rao**, Synthesis and characterization of novel N-(4-methyl-2-oxo-2H-chrome-7-yl)-2-(5-phenylsubstituted-1,3,4-oxadiazol-2-ylthio)acetamide derivatives, *Der Pharma Chemica*, ISSN: 0975-413X, **2014**.
14. K.Vasu, N. HariKrishna, K. Nagaraju, **C. Venkata Rao**, Synthesis of 2-styrylchromones and cytotoxicity evaluation, *Der Pharmacia Sinica*, ISSN: 0976-8688, **2014**.
15. K. Nagaraju, S. Triloknadh, N. HariKrishna, **C. Venkata Rao**, Novel Thienopyrimidine Derivatives Containing 1,2,4-triazoles and 1,3,4-oxadiazoles as Potent Antimicrobial Activity, *Medicinal chemistry(OMICS group)*, ISSN: 2161-0444, **2014**.
16. Y. Kotaiah, N. Harikrishna, K. Nagaraju and **C. Venkata Rao**, L. Yamini, M. Vijjulatha, Synthesis, docking and evaluation of antioxidant and antimicrobial activities of novel 1,2,4-triazolo[3,4-b][1,3,4]thiadiazol-6-yl)selenopheno[2,3-d]pyrimidines, *European Journal of Medicinal Chemistry*, ISSN: 0223-5234, **2014**.

2013-14

17. Bandi Siva, G. Suresh, B.Poornima, A. Venkanna, K. Suresh Babu, K. Rajendra Prasad, L. Prasanna Anjaneya Reddy, A. S. Sreedhar, **C. Venkata Rao**, Cipadessin-type limonoids from the leaves of *Cipadessa baccifera*, *Tetrahedron Letters*, ISSN: 0040-4039, **2013**
18. G. Ramesh, **C. Venkata Rao**, Development of α -glucosidase inhibitors by room temperature C–C cross couplings of quinazolinones, *Organic & Biomolecular Chemistry*, ISSN: 1477-0520, **2013**.

19. P. Lavanya, S. Maddila, S. B. Jonnalagadda, **C. Venkata Rao**, Synthesis and biological evaluation of novel thio-1,4-dihydropyrimidine-5-carboxylate derivatives, *Asian Journal of Chemistry*, ISSN: 0970-7077, **2013**.
20. Kotaiah, Yalagala and **Venkata Rao**, Design, synthesis and biological evolution of 3, 4-dihydroselenopheno [2,3-*d*]pyrimidine sulphonamides as potential antimicrobial agents **Chunduri**, *International Journal of Pharma and Bio Sciences*, ISSN: 0975-6299, **2013**
21. K. Veena Vani and **C. Venkata Rao**, Synthesis and antimicrobial activity of novel 1,2,4-triazole derivatives, *Der Pharma Sinica*, ISSN, 0976-8688, **2013**
22. K. Nagaraju, Y. Kotaiah, C. Sampath, N. Harikrishna and **C. Venkata Rao**, A facile synthesis of some novel fused [1,2,4]triazolo[3,4-*b*][1,3,4]thiadiazol derivatives, *Journal of Sulfur Chemistry*, ISSN: 1741-5993, **2013**.
23. Y. Kotaiah, N. Harikrishna, K. Nagaraju, **C. Venkata Rao**, D.V.R. Sai Gopal and V. Taranath, Synthesis and antiviral activity of 1,3,4-oxadiazolyl selenopheno[2,3-*d*]pyrimidines as novel Bluetongue virus inhibitors. *Journal of Chemical and Pharmaceutical Research*, ISSN: 0975-7384, **2012**

2012-13

24. M. Suri Appa Rao, G. Suresh, P. Ashok Yadav, K. Rajendra Prasad, V. Lakshma Nayak, Sistla Ramakrishna, **C. Venkat Rao**, K. Suresh Babu, Novel apo-tirucallane triterpenoids from *Walsura trifoliata*, *Tetrahedron Letters*, ISSN: 0040-4039, **2012**
25. Ramesh Garlapati, Narender Pottabathini, Venkateshwarlu Gurram, Avinash B. Chaudhary , **Venkata Rao Chunduri**, Balaram Patro, Pd-catalyzed amination of 6-halo-2-cyclopropyl-3-(pyridyl-3-ylmethyl) quinazolin-4(3H)-one, *Tetrahedron Letters*, ISSN: 0040-4039, **2012**
26. M. Purushotham, K. Venkateswara Rao, M. Arunakumari, and **C. Venkata Rao**, Synthesis and biological studies of novel chlorophenyl-(pyridinyl)-methylamine hydrochloride derivatives, *Der Pharma Chemica*, ISSN: 0975-413X, **2012**
27. P. Priyadarsini, B. Ujwala, **C. Venkata Rao**, and V. Madhava Rao, Synthesis and antimicrobial activity of some novel pyrazoles, *Der Pharmacia Lettre*, ISSN: 0975-5071, **2012**.
28. C. Sampath, K. Veena Vani, Y. Kotaiah, N. Hari Krishna, C. Naga Raju and **C. Venkata Rao**, A facile and efficient One-pot Three Component Reaction(Kabachnik-Fields Reaction) for the Synthesis of Novel α -Aminophosphonates by 1, 4-Dimethylpiperazine as a new catalyst, *Journal of Chemical and Pharmaceutical Research*, ISSN: 0975-7384, **2012**.
29. C. Sampath, N. Hari Krishna, Y. Kotaiah, C. Naga Raju, M. Balaji, and **C. Venkata Rao**, Synthesis, Spectral Characterization and Bio-activity of Novel Iminophosphorane derivatives of piperazine via Staudinger reaction, *Der Pharma Chemica*, ISSN: 0975-413X, **2012**.
30. C. Sampath, Y. Kotaiah, N. Hari Krishna, C. Naga Raju, E. Anjaneyulu and **C. Venkata Rao** ,A facile synthesis, spectral characterization and antimicrobial activity of novel dialkylheteroaryl phosphonates, *Der Pharmacia Sinica*, ISSN: 0976-8688, **2012**.
31. Y. Kotaiah, N. Harikrishna, K. Nagaraju and **C. Venkata Rao**, Synthesis and antioxidant activity of 1,3,4-oxadiazole tagged thieno[2,3-*d*]pyrimidine derivdatives, *European Journal of Medicinal Chemistry*, ISSN: 0223-5234, **2012**.
32. Perali Ramu Sridhar, Mandava Suresh, Patteti Venu Kumar, Kalapati Seshadri, **C. Venkata Rao**, Stereoselective synthesis of C(18)-guggultetrol and C(18)-phytosphingosine analogues from d-fructose., *Carbohydrate Research*, ISSN: 0008-6215, **2012**.

33. V. Jhansi Rani, K. Veena Vani, and **C. Venkata Rao**, PEG-SO₃H as a catalyst for the preparation of bis-indolyl and tris-indolyl methanes in aqueous media, *Synthetic Communications*, ISSN: 0039-7911, **2012**.
34. Veena Vani K., Vijaya Kumari D. and **Venkata Rao C**, Synthesis and biological activity studies of some novel pyrazoline derivatives, *Der Pharma Chemica*, ISSN: 0975-413X, **2012**

2011-12

35. Ramu Sridhar Perali, Suresh Mandava, **Venkata Rao Chunduri**, An unexpected migration of *O*-silyl group under Mitsunobu reaction conditions, *Tetrahedron Letters*, ISSN: 0040-4039, **2011**.
36. V.Jhansi Rani, K.Nagaraju, K. Veena Vani, P. Lavanya and **C. Venkata Rao**, A simple and efficient procedure for the synthesis of 3-substituted indoles catalyzed by methane sulphonic acid, *TSI- Organic chemistry-An Indian Journal*, ISSN: 0974-7516, **2011**
37. M. Purushotham, K. Venkateswara Rao, K. Ramesh babu, K. Vasu, K. Veena vani, and **C. Venkata Rao**, Microwave assisted synthesis of 3-(pyridine-2-yl)-[1,2,4]-triazines under solvent-free conditions, *Journal of Chemtracks*, **2011**.
38. M. Purushotham, C. Sampath, K. Venkateswara Rao, K. Ramesh babu, K. Vasu, and **C. Venkata Rao**, Synthesis and biological evaluation of new fused [1,2,4]triazolo[4,3-b]pyridazine derivatives, *Journal of Chemtracks*, **2011**.
39. K. Veena Vani, K. Nagaraju, V. Jhansi Rani, M. Suresh and **C. Venkata Rao**, Synthesis and bioactivity studies of 4-carbanoyl-1,2-disubstituted-1H-imidazole-5-carboxylic acid derivatives, *TSI-Organic chemistry-An Indian Journal*, ISSN: 0974-7516, **2011**.
40. M. Suresh, P. Lavanya and **C. Venkata Rao**, Synthesis, and pharmacological evaluation of novel 2H/6H-thiazolo-[3',2',2,3] [1,2,4] triazolo[1,5-a]-pyridine-9-carbonitrile derivatives, *Arabian Journal of chemistry*, ISSN: 1878-5352, **2011**.
41. P. Lavanya, M. Suresh, Y. Kotaiah, N. Harikrishna and **C. Venkata Rao**, Synthesis, antibacterial, antifungal and antioxidant activity studies on 6-bromo-substituted phenyl -1H-imidazole [4,5-b]pyridine, *Asian Journal of Pharmaceutical and clinical Research*, ISSN: 0974-2441, **2011**.

2010-11

42. V.Jhansi Rani, M. Suresh, P.Lavanya, K.Veena Vani, B. Nagarjuna and **C.Venkata Rao**, Synthesis of 1-amidoalkyl-2-naphthols by a three component reaction catalyzed by methane sulphonic acid, *Der Pharma Chemica*, ISSN: 0975-413X, **2010**.
43. P. Lavanya, M. Suresh, K. Veena Vani, K. Vasu, V. Jhansi Rani and **C. Venkata Rao**, Synthesis and Bioassay studies of Substituted-N-(5-cyanopyrimidine-4yl) benzamide, *Journal of Chemical and Pharmaceutical. Research*, ISSN: 0975-7384, **2010**.
44. M. Suresh, P. Lavanya, D. Sudhakar, K.Vasu and **C. Venkata Rao**, Synthesis and biological activity of 8-chloro-[1,2,4]triazolo[4,3-a]quinoxalines, *Journal of Chemical and Pharmaceutical. Research*, ISSN: 0975-7384, **2010**.
45. Synthesis and bioassay studies of 7-substituted pyrido[2,3-d]Pyrimidines, M. Suresh, P. Lavanya, K. Vasu, D. Sudhakar and **C. Venkata Rao**, *Journal of Chemical and*

Pharmaceutical. Research, ISSN: 0975-7384, **2010**.

46. M. Suresh, P. Lavanya, K. Vasu and **C. Venkata Rao**, Synthesis of 6-Chloro-8-Substituted-9[H]-Purine Derivatives and Bioactivity Studies, *TSI-Organic Chemistry, An Indian Journal*, ISSN: 0974-7516, **2010**.
47. M. Suresh, P. Lavanya and **C. Venkata Rao**, Synthesis, antibacterial, antifungal and antioxidant activity studies on 2-benzylthio and 2-benzylsulfonyl-1H-imidazoles, *Der Pharmacia Lettre*, ISSN: 0975-5071, **2010**.
48. P. Lavanya, M. Suresh and **C. Venkata Rao**, One Pot Synthesis of Substituted 2-(Phenoxymethyl)-1-Phenyl-1H-Benzo(d)-Imidazoles and their Bioactivity Evaluation., *TSI-Organic Chemistry An Indian Journal*, ISSN: 0974-7516, **2010**.
49. D. Sudhakar, V. Madhava Rao, M. Suresh and **C. Venkata Rao**, Amberlyst-15 catalyzed synthesis of *N*-tosyl- α -amino nitriles through Strecker Reaction, *Journal of Chemical Research*, ISSN: 1747-5198, **2010**.

2009-10

50. G.L.V.Damu, J.Jon Paul Selvam, **C.Venkata Rao**, Y. Venkateswarlu, DDQ-mediated oxidative cross-coupling between propargylic sp³ and indoles sp² carbons, *Tetrahedron letters*, ISSN: 0040-4039, **2009**.
51. V. Madhava Rao, G.L.V.Damu, D.Sudhakar, & **C.Venkata Rao**, Two new bio-active flavones from *Grangea maderaspatana*, *Asian journal of chemistry*, ISSN: 0970-7077, **2009**.