

## Curriculum vitae

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Dr. Srivari Chandrasekhar, born on 9th March 1964, in Hyderabad, India is an Indian citizen.

Educational qualification:

Degree	Year	University/Institute	Subjects
B. Sc	1982 with distinction	Osmania University	Botany, Zoology & Chemistry
M. Sc	1985 with distinction	Osmania University	Specialization in Organic Chemistry
Ph. D	1991	IICT (degree awarded by Osmania University)	Chemistry

Position Held:

Sl#	Period	Post	Organization
1	1986 to 1988	Junior Research Fellow	CSIR-Indian Institute of Chemical Technology, Hyderabad
2	1988 to 1991	Senior Research Fellow	CSIR-Indian Institute of Chemical Technology, Hyderabad
3	1991 to 1994	Post Doctoral Fellow	University of Texas, South western Medical Center, Dallas, USA
4	1994 to 1999	Scientist C	CSIR-Indian Institute of Chemical Technology, Hyderabad

5	1999 to 2004	Scientist EI	CSIR-Indian Institute of Chemical Technology, Hyderabad
6	2000 to 2001	Alexander von Humboldt Fellow	University of Goettingen, Germany
7	2004 to 2005	Scientist EII	CSIR-Indian Institute of Chemical Technology, Hyderabad
8	2005 to 2010	Scientist F	CSIR-Indian Institute of Chemical Technology, Hyderabad
9	2010 to 2015	Scientist G	CSIR-Indian Institute of Chemical Technology, Hyderabad
10	2015 to Till date	Director	CSIR-Indian Institute of Chemical Technology, Hyderabad
11	25-11-2020 to 31-03-2021	Director (Additional Charge)	CSIR-National Chemical Laboratory, Pune
12	09-04-2021 to Till Date	Director (Additional Charge)	CSIR-National Environmental Engineering Research Institute, Nagpur
13	09-02-2016 to 13-07-2016	Director (Additional charge)	CSIR-National Geophysical Research Institute, Hyderabad
14	01-01-2020 to 14-02-2020	Director (Additional charge)	CSIR-Central Salt & Marine chemical Research Institute, Bhavnagar

**Books:**

SI#	Authors	Title	Publisher	Year
1	Yadav, J. S.; Chandrasekhar, S. Indian Institute of Chemical Technology, Hyderabad, India. Editor(s): Chorghade, Mukund S. Drug Discovery and Development (2007), 2, 141-160	Enantioselective synthesis of propargyl alcohols as multifunctional synthons.	Publisher: John Wiley & Sons, Inc., Hoboken, N. J CODEN: 69IHOA Conference written in English. AN 2007:1079996	2007
2	Srivari Chandrasekhar, Indian Institute of Chemical Technology, Hyderabad, India.	Ranbaxy Science Foundation, India (2011), 41-54.	Novel Peptidomimetics	2011

Editor: R. K. Jalali, New Frontiers in Drug Design, Discovery and Development			
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### Publications:

Sl#	Authors	Title	Journal
1	Pashikanti Gouthami, Gadela Karteek Goud, Prathama S Mainkar, Srivari Chandrasekhar*	Rapid and one-pot synthesis of tri-to tetradeca-deutero nicotines	Tetrahedron Lett. 2020, 61, 151680
2	Pranesh Pal, Prathama S Mainkar, Kiranmai Nayani,* Srivari Chandrasekhar*	Mn-catalyzed radical initiated domino transformation of alkynylated cyclohexadienones with TMSN <sub>3</sub> and O <sub>2</sub> to bicyclic azido alcohols	Chem. Commun. 2020, 56, 3453-3456
3	Prathama Mainkar, Ambica V, Srivari Chandrasekhar*	21st Century, More Twins in Scientific Literature: Intentional or Accidental?	Angew. Chem. Int. Ed. 10.1002/anie.201915777 Angew. Chem. 10.1002/ange.201915777
4	Nandikolla Krishna Chaitanya, Shrabani Dinda, Prathama S. Mainkar, and Srivari Chandrasekhar*	Epoxy-Tethered Diels–Alder Reaction toward the Tricyclic Core of Kalihinols	Organic Lett. 2020, 22, 3557-3560
5	Donikela, Sangeetha; Nayani, Kiranmai; Nomula, Vishnuvardhan; Mainkar, Prathama S.; Chandrasekhar, Srivari	Gram-Scale Solution-Phase Synthesis of Heptapeptide Side Chain of Teixobactin	Synlett 2019, 30, 2268-2272
6	JayTrivedi, Afta Alam, Shruti Joshi, Pavan Kumar, Venkatraju Chippala, Prathama S. Mainkar, Srivari Chandrasekhar, Samit Chattopadhyay,* Debashis Mitra	A novel isothiocyanate derivative inhibits HIV-1 gene expression and replication by modulating the nuclear matrix associated protein SMAR1	Antiviral Research, 2020, 104648

7	Sangeetha Donikela, Prathama S. Mainkar, Kiranmai Nayani,* and Srivari Chandrasekhar*	Metal Free Domino $\beta$ -Azidation/[3 + 2] Cycloaddition Reaction for the Synthesis of 1,2,3-Triazole-Fused Dihydrobenzoxazinones	J. Org. Chem. 2019, 84, 10546-10553
8	Haridas B Rode, Dhanaji M Lade, R Grée, Prathama S Mainkar, S Chandrasekhar	Strategies towards the synthesis of anti-tuberculosis drugs	Org. Biomol. Chem., 2019, 17, 5428-5459
9	Y. N. Sambasiva Rao, Prathama S. Mainkar and Srivari Chandrasekhar*	Chiron approach to fully functionalized cyclohexane frame of (+)-Resiniferatoxin	Tetrahedron Letters, 2019, 60, 151133.
10	Lahu N Chavan, Prathama S. Mainkar, Srivari Chandrasekhar*	Organocatalytic Asymmetric Synthesis of Tetrahydrofuran and 1,2-Dihydrobenzofuran Scaffolds	Eur. J. Org. Chem. 2019, 6890-6910
11	S. Chandrasekaran, S. Chandrasekhar, Sandeep Verma	The National Organic Symposium Trust-Shaping Organic Chemistry in India for Over 30 Years	Angewandte Chemie 2019, 58, 2-4
12	Ramagonolla Kranthikumar, Prathama S. Mainkar, Genji Sukumar, Rambabu Chegondi, and Srivari Chandrasekhar*	Tetrahydrothiopyran-4-one as Five-Carbon Source for Scalable Synthesis of ( $\pm$ )-Tapentadol	Org. Process Res. Dev. 2019, 23, 1369-1373
13	Telugu Venkatesh, Prathama S. Mainkar and Srivari Chandrasekhar *	Total synthesis of ( $\pm$ )-galanthamine from GABA through regioselective aryne insertion	Org. Biomol. Chem., 2019, 17, 2192–2198
14	Shivakrishna Kallepu, Karekar Sanjeev, Rambabu Chegondi, Prathama S. Mainkar, and Srivari Chandrasekhar*	Benzyne Insertion onto $\beta$ Keto Esters of Polycyclic Natural Products: Synthesis of Benzo Octacyclo Scaffold	Org. Lett. 2018, 20, 7121-7124
15	Srinu Paladugu, Prathama S. Mainkar and Srivari Chandrasekhar*	Synthesis of Asthma Drug Zafirlukast (Accolate) Using Intramolecular Oxidative Coupling via $sp^3$ C–H Bond Activation	ACS Omega, 2018, 3 (4), 4289-4294

16	Vikram Gaddam, Lavanya Nadella, Genji Sukumar, Prathama S Mainkar, Srivari Chandrasekhar*	Stereoselective Synthesis of Northern Fragment of Eribulin Mesylate from D-Mannose	Synthesis, 2018, 50, 1901-1906
17	Pashikanti Gouthami, Lahu N. Chavan, Rambabu Chegondi and Srivari Chandrasekhar*	Syntheses of 2-Aroyl Benzofurans through Cascade Annulation on Arynes	J. Org. Chem. 2018 83(6), 3325-3332
18	Navya Goli, Shivakrishna Kallepu, Prathama S. Mainkar, Jerripothula K. Lakshmi, Rambabu Chegondi and Srivari Chandrasekhar*	Synthetic strategy towards the pentacyclic core of Melodinus alkaloids	J. Org. Chem., 2018, 83 (4), pp 2244–2249
19	Dhanaji M. Lade, Amit B. Pawar, Prathama S. Mainkar and Srivari Chandrasekhar*	Total Synthesis of Lamellarin D Trimethyl Ether, Lamellarin D, and Lamellarin H	J. Org. Chem., 2017, 82 (9), 4998-5004
20	Shivakrishna Kallepu, Minnapuram Kavitha, Ragini Yeeravalli, Kanakaraju Manupati, Surender Singh Jadav, Amitava Das, Prathama S. Mainkar and Srivari Chandrasekhar*	Total Synthesis of Desmethyl Jahanyne and Its Lipo-Tetrapeptide Conjugates Derived from Parent Skeleton as BCL-2-Mediated Apoptosis-Inducing Agents	ACS Omega 2018, 3, 63-75
21	Kiranmai Nayani, Radhika Cinsani, Anwar Hussaini SD, Prathama S. Mainkar and Srivari Chandrasekhar*	Brønsted Acid Catalysed Domino Aza-Piancatelli Rearrangement/ Michael Reaction: Construction of 1,4-Benzodiazepin-5-ones in One-Pot	Eur. J. Org. Chem. 2017, 10.1002/ejoc.201700957
22	Srinu Paladugu, Prathama S. Mainkar and Srivari Chandrasekhar*	Synthesis of Complete Carbon Framework of Baulamycin A	Tetrahedron Letters 2017, 58, 2784-2787
23	Navya Goli, Prathama S. Mainkar, Sudha Sravanti Kotapalli, Tejaswini K, Ramesh Ummanni, Srivari Chandrasekhar*	Expanding the tetrahydroquinoline pharmacophore	Bioorganic & Medicinal Chemistry Letters, 2017, 27, 1714-1720

24	R. R. Anugu, P.S. Mainkar, B. Sridhar, S. Chandrasekhar*	The Ireland-Claisen rearrangement strategy towards the synthesis of the schizophrenia drug, (+)-asenapine	Org. Biomol. Chem. 2016, 14, 1332-1337
25	K. Nagaraju, R. Chegondi, S. Chandrasekhar*	Expanding Diversity without Protecting Groups: (+)-Sclareolide to Indolosesquiterpene Alkaloid Mycoleptodiscin A and Analogues	Org. Lett. 2016, 18, 2684-2687
26	Ch. Praveen Kumar, Reddy, T. Srinivasa; P. S. Mainkar, V. Bansal, R. Shukla, S. Chandrasekhar, H. M. Hugel	Synthesis and biological evaluation of 5, 10-dihydro-11H-dibenzo[b,e][1,4]diazepin-11-one structural derivatives as anti-cancer and apoptosis inducing agents	Eur. J. Med. Chem, 2016, 108, 674-686
27	J. Ruiz, N. Karre, T. Roisnel, S. Chandrasekhar, Srivari; R. Gree	From Protected $\beta$ -Hydroxy Acylsilanes to Functionalized Silyl Enol Ethers and Applications in Mukaiyama Aldol Reactions	Eur. J. Org. Chem 2016, 2016(4), 773-779
28	R. Kranthikumar, R. Chegondi, S. Chandrasekhar*	Insertion of N-Tosylacetimidates/Acetimidamides onto Arynes via [2 + 2] Cycloaddition	J. Org. Chem. 2016, 81, 2451-2459.
29	K. Nagaraju, R. Chegondi, S. Chandrasekhar*	Expanding Diversity without Protecting Groups: (+)-Sclareolide to Indolosesquiterpene Alkaloid Mycoleptodiscin A and Analogues	Org. Lett. 2016, 18, 2684-2687
30	P.S. Mainkar, V. Chippala, R. Chegondi, S. Chandrasekhar*	Ruthenium(II)-Catalyzed Hydration of Terminal Alkynes in PEG- 400	Synlett 2016, 27(13): 1969-1972
31	Pantapalli M. Anitha, Prathama S. Mainkar, Shivakrishna Kallepu, V. S. Phani Babu, Cirandur Suresh Reddy and Srivari Chandrasekhar*	Caveat in the stereochemical outcome of the organocatalytic Diels–Alder reaction in PEG-400	RSC Adv., 2016,6, 76132-76136
32	P.S. Mainkar, V. Chippala, R. Chegondi, S. Chandrasekhar*	Ruthenium(II)-Catalyzed Hydration of Terminal Alkynes in PEG- 400	Synlett 2016, 27(13): 1969-1972

33	Pantapalli M. Anitha, Prathama S. Mainkar, Shivakrishna Kallepu, V. S. Phani Babu, Cirandur Suresh Reddy and Srivari Chandrasekhar*	Caveat in the stereochemical outcome of the organocatalytic Diels–Alder reaction in PEG-400	RSC Adv., 2016,6, 76132-76136
34	B. Surender Reddy, A. Srirama Murthy P. S. Mainkar and S. Chandrasekhar*	Pruning of Biomolecules and Natural Products (PBNP): An Innovative Paradigm in Drug Discovery	Org. Biomol. Chem 2015, 13, 6432-6448
35	Lahu N. Chavan, Ch. Rambabu, S. Chandrasekhar*	Tandem organocatalytic approach to C28-C35 fragment of eribulin mesylate	Tetrahedron Letters 2015, 56, 4286-4288
36	N. Lavanya, N. Kiranmai, P. S. Mainkar and S. Chandrasekhar*	A practical synthesis of C14-C26 fragment of anticancer drug, eribulin mesylate	Tetrahedron Letters 2015, 56, 4283-4285
37	A. Srirama Murthy and S. Chandrasekhar*	Practical and stereoselective synthesis of [6, 6, 5]-tricyclic core (C1-C13) of eribulin mesylate	Tetrahedron Letters 2015, 56, 4280-4282
38	N. Kavitha and S. Chandrasekhar*	Scalable synthesis of the unusual amino acid segment (ADMOA unit) of marine anti-inflammatory peptide: solomonamide A	Org. Biomol. Chem 2015, 13, 6242-6248
39	Johal Ruiz, A.Srirama Murthy, Thierry Roisnel, S. Chandrasekhar, and R. Gree	Alpha-Hydroxyallylsilanes as Propionaldehyde Enolate Equivalents and their Use towards Iterative Aldol Reactions	J. Org. Chem. 2015, 80, 2364-2375
40	W. Ahmed, P. S. Mainkar, P. Srihari and S. Chandrasekhar*	Total Synthesis of thromboxane receptor antagonist, Terutroban	Org. Biomol. Chem 2015, 13, 2951-2957
41	M. Sailu, S. S. Muley, Amitava Das, P. S. Mainkar and S. Chandrasekhar*	Formal total synthesis of (±)-rhazinal and its B-ring carbamate analogue	Tetrahedron 2015, 55, 1276-1282

42	K. Nagaraju, P. S. Mainkar and S. Chandrasekhar*	Convergent synthesis of fully functionalized decalin skeleton of (+)-fusarisetin A	Tetrahedron Letters 2015, 56, 404-405
43	S Khatun, P S.Mainkar and S Chandrasekhar*	Asymmetric synthesis of C11-C23 fragment of Pladienolide B	Ind. J. Chem. 2014, 53B, 717-722
44	L Radhika and S Chandrasekhar*	Synthesis of the Southern tripeptide (C1-N12) of Sanglifehrins using asymmetric organocatalysis	Synth. Commun. 2014, 44, 3602-3609
45	S Chandrasekhar* V Patro, L N. Chavan, Rambabu Ch and R Grée	Multicomponent Reactions in PEG-400: Ruthenium-Catalyzed Synthesis of Substituted Pyrroles	Tetrahedron Letters 2014, 55, 5932-5935
46	T. Naresh, T. Pavan Kumar, K. Haribabu and S. Chandrasekhar*	AZT-prolinamide: the nucleoside derived pyrrolidine catalysts for asymmetric aldol reactions using water as solvent	Tetrahedron: Asymmetry 2014, 25, 1340-1345
47	F Malchers,* F Dietlein,* J Schöttle, X Lu, L C. Heukamp, L Nogova, J Wolf, K Albus, L Fernandez-Cuesta, J M. Heuckmann, O Gautschi, J Diebold, D Seidel, F Leenders, A Richters, M Peifer, A Florin, P S. Mainkar, Nagaraju K, S Chandrasekhar, J George, S	Cell-autonomous and non-cell-autonomous mechanisms of transformation by amplified FGFR1 in lung cancer	Cancer Discovery 2014, 4, 246-257
48	S Chandrasekhar*C Praveen Kumar,T Pavan Kumar,K Haribabu, B Jagadeesh,* J K. Lakshmi and P S. Mainkar*	Peptidomimetic 'Click' Organocatalyst: Efficient Michael Addition of Ketones onto Nitroolefins with Very Low Catalyst Loading	RSC Adv. 2014, 4, 30325 - 30331
49	G PavanKumar Reddy, A S Murthy, J. S Reddy, S Das, T Roisnel, J S. Yadav, S Chandrasekhar and R Grée*	Studies towards 1,3-diol units starting from syn-b-hydroxy acylsilanes	Tetrahedron Letters 2014, 55, 365-368



50	C Sridhar, B V. D. Vijaykumar, L Radhika, D-S Shin,* and S Chandrasekhar*	Asymmetric Formal Synthesis of (+)-Lactacystin	Eur. J. Org. Chem. 2014, 6707-6712
51	S Chandrasekhar* K Sathish, G Pavan Kumar Reddy and P S.Mainkar*	Total Syntheses of Arenamides A, B and C	Tetrahedron: Asymmetry 2014, 25, 348-355
52	S Chandrasekhar* K V M Rao, M Seenaiah, P Naresh, A Sharada Devi and B Jagadeesh*	Formation of periodic g-turns in a/b-hybrid peptides: DFT and NMR experimental evidence	Chem. Asian J. 2014, 9, 457-461
53	N Kavitha, V Praveen Kumar, C Suresh Reddy and S Chandrasekhar*	Total synthesis of (–)-seimatopolide A	Tetrahedron: Asymmetry 2013, 24, 1576-1582
54	N. Kavitha, V. Praveen Kumar and S. Chandrasekhar*	Towards Solomonamide A: Asymmetric synthesis of the unusual amino acid part	Tetrahedron Letters 2013, 54, 2128-2130
55	S. Chandrasekhar* G. Rajesh and T. Naresh	Enantioselective synthesis of the C5-C23 segment of Biselyngbyaside	Tetrahedron Letters 2013, 54, 252-255
56	V. Praveen Kumar and S. Chandrasekhar*	Enantioselective synthesis of Pladienolide B and truncated analogues as new anti-cancer agents	Organic Letters 2013, 15, 3610-3613
57	M. Kavitha, B. Mahipal, P. S Mainkar and S. Chandrasekhar*	Synthesis of 1,4,5-Trisubstituted 1,2,3-Triazoles Amicable for Automation	Comb. Chem. and High Throughput Screening 2013, 16, 657-663
58	G. PavanKumar Reddy, J. S Reddy, S. Das, T. Roisnel, J. S. Yadav, S. Chandrasekhar, and R. Grée	Synthesis of Acylsilanes via Nickel-Catalyzed Reactions of $\alpha$ -Hydroxyallylsilanes	Organic Letters 2013, 15, 1524-1527
59	M Jacolot, M Jean, Naresh T, A Bondon, S Chandrasekhar, and P van de Weghe*	Synthesis of Stachybotrin C and all of its stereoisomers: Structure revision	J. Org. Chem. 2013, 78, 7169-7175

60	V. Praveen Kumar, N. Kavitha and S. Chandrasekhar*	Stereoselective total syntheses of attenols A and B	Eur. J. Org. Chem. 2013, 6325-6334
61	N. Kesava Reddy and S. Chandrasekhar*	Total Synthesis of (-)- $\alpha$ - Kainic acid via Chirality Transfer through Ireland – Claisen Rearrangement	J. Org. Chem. 2013, 78, 3355-3360
62	A Srirama Murthy, T Roisnel, S Chandrasekar and R Grée*	New $\beta$ -hydroxy acylsilane-derived building blocks and their use in the synthesis of oxygen-containing heterocycles	Synlett 2013, 24, 2216-2220
63	B. Mahipal, A Singh, Ramesh U and S Chandrasekhar*	Total synthesis of 5-epi-Torrubiellutin C and its biological evaluation	RSC Advances 2013, 3, 15917-15927
64	N. Kavitha, G. Sukumar, V. Praveen Kumar, P. S. Mainkar and S Chandrasekhar*	Ruthenium-catalyzed imidazoisoquinoline synthesis via oxidative coupling of 2-arylbenzimidazoles with alkynes	Tetrahedron Letters 2013, 54, 4198-4201
65	J Mahesh Kumar, M M. Idris, G Srinivas, P Vinay Kumar, V Meghah, M Kavitha, Ch Raji Reddy, P S. Mainkar, B Pal, S Chandrasekar and N Nagesh*	Phenyl 1,2,3 triazole thymidine ligands stabilize G-quadruplex DNA, inhibit DNA synthesis and potentially reduce tumor cell proliferation over 3'Azido deoxythymidine	PLOS ONE 2013, 8, e70798
66	P S. Mainkar, C Sridhar, A Sudhakar and S Chandrasekhar*	Synthesis and self-assembly of $\beta$ -amino acid/alcohol based Bolaamphiphiles	Helv. Chim. Acta. 2013, 96, 99-108
67	P. S. Mainkar*, K. Johny, T. Prabhakar Rao and S. Chandrasekhar*	Synthesis of O-Spiro-C-Aryl Glycosides using Organocatalysis	J. Org. Chem. 2012, 77, 2519-2525
68	A. Srirama Murthy, B Mahipal and S Chandrasekhar*	Asymmetric synthesis of C14 - C26 building block of eribulin mesylate	Eur. J. Org. Chem. 2012, 6959-6966

69	S. Chandrasekhar* and L Sreelakshmi	Formal synthesis of fumonisin B1, a potent sphingolipid biosynthesis inhibitor	Tetrahedron Letters 2012, 53, 3233-3236
70	V Praveen Kumar, R. Gajendra Reddy, D D Vo, S Chakravarty, S Chandrasekhar* and R Grée*	Synthesis and neurite growth evaluation of new analogues of honokiol, a neolignan with potent neurotropic activity	Bioorg. Med. Chem. Lett. 2012, 22, 1439-1444
71	M. Seenaiiah and S. Chandrasekhar*	Stereoselective synthesis of the common polyketide fragment of Hoiamides	Tetrahedron Letters 2012, 53, 4087-4089
72	T. Pavan Kumar and S. Chandrasekhar*	Asymmetric syntheses of all stereoisomers of 3-hydroxyproline, a constituent of several bioactive compounds	Synthesis 2012, 2889-2894
73	S. Chandrasekhar,* MI Pendke, Chandrasekhar V and P S. Mainkar	Synthesis of $\alpha$ , $\alpha$ -dideutero- $\beta$ -amino acids	Tetrahedron Letters 2012, 53, 1292-1295
74	S. Chandrasekhar* SNCVL Puspavalli, Srinivas C, D Mukhopahyay, B Ganganna, K Vijeender, P Srihari, Ch Raji Reddy, M. Janaki Ramaiah and Utpal Bhadra,*	Aza-flavanones as potent cross-species microRNA inhibitors that arrest cell cycle	Bioorg. Med. Chem. Lett. 2012, 22, 645-648
75	T. Pavan Kumar and S. Chandrasekhar*	Asymmetric syntheses of all stereoisomers of 3-hydroxyproline, a constituent of several bioactive compounds	Synthesis 2012, 2889-2894
76	D H Mac, A Sattar, S Chandrasekhar, J S Yadav, and R Grée	Synthesis of new 4-methyl-3-piperidones via an iron-catalyzed intramolecular tandem isomerization–aldolisation process	Tetrahedron 2012, 68, 8863-8868
77	A. Raghuramreddy, D. Harikrishna, S. Chandrasekhar, D. R.	An improved synthesis of lysosomal activated mustard prodrug for	Drug Development and Industrial Pharmacy 2012, 38, 1047-1053

	Krishna, and A. Raghuram Rao	tumor-specific activation and its cytotoxic evaluation	
78	S. Chandrasekhar* V Patro, Pavan Kumar Reddy G and R Grée*	A ligand - free copper (II) - catalyzed three - component reaction in poly(ethylene glycol) medium: A versatile protocol for the production of 3-indole derivatives	Tetrahedron Letters 2012, 53, 6223-6225
79	R. V. N. S. Murali and S. Chandrasekhar*	Stereocontrolled syntheses of piperidine alkaloids, (-)-241D and (-)-isosolenopsin	Tetrahedron Letters 2012, 53, 3467-3470
80	Naresh T, M Jacolot, M Jean, S Chandrasekhar and P van de Weghe	Synthetic studies towards Stachybotrin C	Synlett 2012, 23, 2919-2922
81	N Kesava Reddy, B V. D. Vijaykumar and S. Chandrasekhar*	Formal Synthesis of Anti-Platelet Drug, Beraprost	Organic Letters 2012, 14, 299-301
82	B. Mahipal, K. Mallikarjun and S. Chandrasekhar*	Formal synthesis of (+)-Didemniserinolipid B	Tetrahedron Letters 2012, 53, 45-47
83	D. H. Mac, S. Chandrasekhar and R. Grée	Total Synthesis of Gabosines	Eur. J. Org. Chem. 2012, 5881-5895
84	B. V. D. Vijaykumar, P. Mallesham and S Chandrasekhar*	Towards Allopumiliotoxins: A Concise Synthesis of the Indolizidine Core	Eur. J. Org. Chem. 2012, 988-994
85	S. Chandrasekhar* C. Sridhar and P. Srihari	A carbohydrate approach for the formal total synthesis of the prostacyclin analogue (16S)-iloprost	Tetrahedron: Asymmetry 2012, 23, 388-394
86	Ch Raji Reddy, P. Phani Madhavi and S. Chandrasekhar*	Stereoselective synthesis of tetrahydropyranyl diarylheptanoids (–)-centrolobine and (+)-centrolobine	Synthesis 2011, 123-126

87	K. Satish, G. Pavan Kumar Reddy, P. S. Mainkar and S. Chandrasekhar*	Synthesis of 'southern' tripeptide of Cyclomarins A and C having novel anti-tuberculocidal mode of action	Tetrahedron: Asymmetry 2011, 22, 1568-1573
88	B. Raju, M. Ramesh, R. Srinivas,* S. Chandrasekhar,* N. Kiranmai and V. U. M. Sarma	Differentiation of positional isomers of hybrid peptides containing repeats of $\beta$ -Nucleoside derived amino acid ( $\beta$ -Nda-) and L-Amino acids by positive and negative ion electrospray ionization tandem mass spectrometry(ESI-MS/MS)	J. Am. Soc. For Mass Spectrometry 2011, 22, 703-717
89	Ch. Raji Reddy,* L. Radhika, T. Pavan Kumar and S. Chandrasekhar	First acid-catalyzed entry to O-alkylated hydroxamides from benzylic alcohols	Eur. J. Org. Chem. 2011, 5967-5970
90	D H Mac, Ramesh S, A Sattar, S Chandrasekhar, J S Yadav* and R Gree*	Total synthesis of gabosines via an iron-catalyzed intramolecular tandem aldol process	Tetrahedron 2011, 67, 9305-9310
91	P. Mallesham, B. V. D. Vijaykumar, D-S Shin* and S. Chandrasekhar*	Total synthesis of pyrrolidine alkaloid, Radicamine-B via Stille coupling	Tetrahedron Letters 2011, 52, 6145-6147
92	Shyam Kiran, D. K. Mohapatra, and S. Chandrasekhar*	A Practical Synthesis of (2S)-R207910 and (2R)-R207910	Eur. J. Org. Chem. 2011, 2057-2061
93	M. Kavitha, B. Mahipal, P. S. Mainkar and S. Chandrasekhar*	Click reaction on in situ generated $\beta$ -azidostyrenes from cinnamic acid using CAN-NaN <sub>3</sub> : Synthesis of N-styryl triazoles	Tetrahedron Letters 2011, 52, 1658-1662
94	S. Chandrasekhar* T. Pavan Kumar, K Haribabu, Ch. Raji Reddy and Ch. Ramesh Kumar	A chiral pyrrolidine-pyrazole catalyst for enantioselective Michael addition of carbonyls to nitroolefins and Mechanistic insight	Tetrahedron: Asymmetry 2011, 22, 697-702
95	Ch. Raji Reddy,* P. Phani Madhavi and S. Chandrasekhar	Synthesis of a diarylheptanoid, (+)-Centrolobine	Tetrahedron: Asymmetry 2010, 21, 103-105
96	S. Chandrasekhar,* P. Srihari, Ch. Nagesh, N.	Synthesis of readily accessible triazole linked dimer	Synthesis 2010, 3710-3714

	Kiranmai, N. Nagesh and M. M. Idris	deoxynucleoside phosphoramidite for solid phase oligonucleotide synthesis	
97	S. Chandrasekhar,*T. Pavankumar, K. Haribabu and Ch. Raji Reddy	Hydroxyphthalimide allied triazole-pyrrolidine catalyst for asymmetric Michael addition in water	Tetrahedron: Asymmetry 2010, 21, 2372-2375
98	S. Chandrasekhar,* A. Sudhakar	Total Synthesis of Bengazole A	Organic Letters 2010, 12, 236-238
99	S. Chandrasekhar,* and N. Kiranmai	Asymmetric total synthesis of (+)-cardiobutanolide via an iterative asymmetric dihydroxylation in PEG	Tetrahedron Letters 2010, 51, 4058-4060
100	S. Chandrasekhar,* N. Kesava Reddy and V. Praveen Kumar	Oxidation of alkynes using PdCl <sub>2</sub> /CuCl <sub>2</sub> in PEG as a recyclable catalytic system: one-pot synthesis of quinoxalines	Tetrahedron Letters 2010, 51, 3623-3625
101	S. Chandrasekhar,* N. Kiranmai, M. Udaya Kiran, A. Sharada Devi, G. Pavan Kumar Reddy, Md. Idris and B. Jagadeesh	Novel Helical Foldamers: Organized heterogeneous backbone folding in 1:1 α/Nucleoside derived-β-amino acid sequences	Chemical Communications 2010, 46, 6962-6964
102	S. Chandrasekhar,* S.V. Balaji and G. Rajesh	First total synthesis of achaetolide	Tetrahedron Letters 2010, 51, 5164-5166
103	D H Mac, Ramesh S, J Petrignet, P Srihari, S Chandrasekhar, J S Yadav,* and R Grée*	From vinyl pyranoses to carbasugars by an iron-catalyzed reaction complementary to classical Ferrier carbocyclisation	Chemical Communications 2009, 4717-4719
104	S. Chandrasekhar,* K. Mallikarjun, G. P. K Reddy, B. Jagadeesh and V. Mohan	Enantiopure cycloalkane fused tetrahydropyrans through domino Michael-Ketalizations with organocatalysis	Chemical Communications 2009, 4985-4987
105	P. Srihari,* P Dutta, R. S Rao, J. S. Yadav, S. Chandrasekhar, P.	Solvent free synthesis of 1,5-disubstituted tetrazoles derived from Baylis-Hillman acetates as potential TNF-α inhibitors	Bioorg. Med. Chem. Lett. 2009, 19, 5569-5572

	Thombare, J. Mohapatra, A. Chatterjee and M R. Jain		
106	S. Chandrasekhar,* G. S. Kiran Babu and Ch. Raji Reddy	Asymmetric synthesis of azadiospongins A as a iNOS inducer	Tetrahedron: Asymmetry 2009, 20, 2216-2219
107	S. Chandrasekhar,* B B. Parida and Ch. Rambabu	Stereoflexible total Synthesis of (-)-Epiquinamide	Tetrahedron Letters 2009, 50, 3294-3295
108	S. Chandrasekhar,* and B Tiwari	Synthesis of C10-C24 fragment of (+)-cannabisativine	Tetrahedron: Asymmetry 2009, 20, 1924-1929
109	B. Raju, V. Ramesh, A. Sudhakar, M. Ramesh, V. U. M. Sharma, S. Chandrasekhar and R. Srinivas	Diastereomeric differentiation of norbornene amino acid peptides by electrospray ionization tandem mass spectrometry	Rapid Commun. Mass Spectrom. 2009, 2965-2974
110	S. Chandrasekhar,* G. Pavankumarreddy and K. Sathish	Total synthesis of arenamide A and its diastereomer	Tetrahedron Letters 2009, 50, 6851-6854
111	S. Chandrasekhar* B Mahipal and M Kavitha	Towards Tubulysin: Gram scale synthesis of Tubuvaline-Tubuphenylalanine (Tuv-Tup) fragment	J. Org. Chem. 2009, 74, 9531-9534
112	S. Chandrasekhar,* Ch. Lohitha Rao, M. Seenaiiah, P. Naresh, B. Jagadesh, D. Manjeera, A. Sarkar and M Pal Bhadra	Total synthesis of azumamide E and sugar amino acid containing analogue	J. Org. Chem. 2009, 74, 401-404
113	G Vault, D Gree, T Roisnel, S Chandrasekhar and R Gree*	The first synthesis of 2-amino-1,4-dihydroquinolines	Tetrahedron 2009, 65, 10149-10154
114	S. Chandrasekhar,* D Basu, M. Sailu and S. Kotamraju	Novel synthetic route to the tricyclic core of (±)-galanthamine	Tetrahedron Letters 2009, 50, 4882-4884

115	S. Chandrasekhar,* S Khatun, G. Rajesh and Ch. Raji Reddy	B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> : An efficient catalyst for reductive alkylation of alkoxy benzenes and for synthesis of triarylmethanes using aldehydes	Tetrahedron Letters 2009, 50, 6693-6697
116	S. Chandrasekhar,* K. Johnny and Ch. Raji Reddy	Proline-threonine dipeptide as an organo-catalyst for direct asymmetric Aldol reaction	Tetrahedron: Asymmetry 2009, 20, 1742-1745
117	S. Chandrasekhar,* M. B. Padmaja and A Raza	A new cleavage strategy for Ester linked Polymer supports: Generation of tertiary alcohol library	J. Combinatorial Chem. 2000, 2, 246-248
118	B. Jagadeesh,* M Uday, A Sudhakar and S Chandrasekhar*	Backbone regulation mimicry by beta-peptidic foldamers: Formation of 10-helix in a mixed conformational pool of 6-strand and 14-helix	Chem. Eur. J. 2009, 15, 12592-12595
119	S. Chandrasekhar,* R. V. N. S. Murali and Ch. Raji Reddy	Enantioselective synthesis of (-)-lasubine II	Tetrahedron Letters 2009, 50, 5686-5688
120	Ch. Raji Reddy,*P. Phani Madhavi and S. Chandrasekhar	Asymmetric synthesis of 6-epi- (-)-centrolobine	Synthesis 2008, 2939-2942
121	S. Chandrasekhar,* Ch. Rambabu, and A. Syamprasad Reddy	Spirastrellolide B: The synthesis of southern (C <sub>9</sub> -C <sub>25</sub> ) region	Organic Letters 2008, 10, 4355-4357
122	S. Chandrasekhar,*Y. Srinivasa Rao A. Sreelakshimi and Ch. Raji Reddy	Formal total synthesis of (-)-spongidepsin	Tetrahedron 2008, 64, 5174-5183
123	Z Hua, M Lijuan, M Ghate, K-H Hwang, Y K Cho, S. Chandrasekhar Ch. Raji Reddy, and D-S Shin*	Microwave-assisted one-pot synthesis of benzo[b][1,4]oxazin - 3(4H)-ones via Smiles rearrangement	Tetrahedron Letters 2008, 49, 3827-3830
124	Ch. Raji Reddy,* Y. Srinivasa Rao, T. Pavan Kumar K. Vankatram	Hydroxylamine derivatives as nucleophiles in Ferrier	Synthesis 2008, 122-126



	Reddy and S. Chandrasekhar	glycosylation: Synthesis of aminoxy pseudoglycals	
125	S. Chandrasekhar,* B Tiwari, Bn B. Parida and Ch. Raji Reddy	Chiral pyrrolidine-triazole conjugate catalyst for asymmetric Michael and Aldol reactions	Tetrahedron Asymmetry 2008, 19, 495-499
126	J. Kang, K. H. Kam, M Ghate, Z Hua, T-H Kim, Ch. Raji Reddy, S. Chandrasekhar, and D-S Shin	An Efficient Synthesis of 2H-1,4-benzoxazine 3-(4H)-ones via Smiles Rearrangement	Arkivoc 2008, 67-76
127	S. Chandrasekhar,* B. Vijay Kumar and T. V. Pratap	total synthesis of (-)-lentiginosine	Tetrahedron: Asymmetry 2008, 19, 746-750
128	S. Das, S. Chandrasekhar, J. S. Yadav, A. V. R. Rao and R. Gree*	An efficient process for the resolution of cis-4-O-protected-2-cyclopenten-1,4-diol using pancreatin lipase in [C(8)mim][PF6] as a reusable system	Tetrahedron Asymmetry 2008, 19, 2543-2545
129	S. Chandrasekhar,* B. Saritha, P. Naresh, B. Jagadeesh and Ch. Raji Reddy	Synthesis and characterization of C2-symmetric cyclic peptide with alternating cis-β-sugar amino acid and ornithine subunits	Helv. Chim. Acta. 2008, 91, 1267-1276
130	S. Chandrasekhar,* Ch. Rambabu, and A. Syamprasad Reddy	Asymmetric synthesis of (+)-passifloricin A and its 6-epimer	Tetrahedron Letters 2008, 49, 4476-4478
131	S. Chandrasekhar,* B B. Parida and Ch. Rambabu	Total synthesis of hyacinthacene A1, a glycosidase inhibitor	J. Org. Chem. 2008, 73, 7826-7828
132	S. Chandrasekhar,* Ch. Lohitha Rao, M. S. Reddy, G. D. Sharma, M. U. Kiran, P. Naresh, G. K. Chaitanya, K. B. Prakash and B. Jagadesh	b-Sugar aminoxy peptides as rigid secondary structural scaffolds	J. Org. Chem. 2008, 73, 9443-9446
133	S. Chandrasekhar,* Y. Srinivasa Rao L.	B(C6F5)3-Catalyzed three-component reaction for the synthesis	Synthesis 2008, 1737-1740

	Sreelakshimi, B. Mahipal and Ch. Raji Reddy	of 1,8-dioxo decahydroacridines under solvent-free conditions	
134	S. Chandrasekhar,* M. Seenaiiah, Ch. Lohitha Rao and Ch. Raji Reddy	A smooth access to benzotriazoles via azide-alkyne cycloaddition	Tetrahedron 2008, 64, 11325-11327
135	S. Chandrasekhar,*A. Sudhakar, M. Udaya Kiran, B. Nagendra Babu and B. Jagadeesh	b-Strand mimetics: Formation of bend strands in oligomers of enantiomeric b- aminoacids	Tetrahedron Letters 2008, 49, 7368-7371
136	S. Chandrasekhar,*G. Pavankumar Reddy, M. Udaya Kiran, Ch. Nagesh and B. Jagadeesh	Nucleoside derived amino acids (NDA) in foldamer chemistry: Synthesis and conformational studies of homooligomers of modified AZT	Tetrahedron Letters 2008, 49, 2969-2973
137	G. Smitha, S. Chandrasekhar and Ch. Sanjeeva Reddy,*	Applications of Zirconium(IV) chloride in organic synthesis – A review	Synthesis 2008, 829-855
138	Z Hua, K-H. Kam, H-J. Kwon, L. Meng, Ch. Ahn, T-J. Won, T-H. Kim, Ch. Raji Reddy, S. Chandrasekhar and D-S Shin*	Microwave-assisted synthesis of 2H-benzo[b][1,4]oxazin-3(4H)-ones and 1H-Pyrido[2,3-b] [1,4]oxazin-2(3H)-ones via Smiles rearrangement	Bull. Korean Chem. Society 2008, 29, 1379-1385
139	S. Chandrasekhar, * Y. Srinivasa Rao and Sreelakshmi	Stereoselective formal total synthesis of the cyclodepsipeptide (-)-spongidepsin	Tetrahedron Letters 2007, 48, 7339-7342
140	S. Chandrasekhar,* K. Vijeender, G. Chandrashekar and Ch. Raji Reddy	Towards synthesis of Palmerolide A: asymmetric synthesis of C1-C14 fragment	Tetrahedron: Asymmetry 2007, 18, 2473-2478
141	S. Chandrasekhar,* Debjit Basu and Ch. Raji Reddy	Palladium catalyzed reduction of N-Boc-indoles using polymethylhydrosiloxane	Synthesis 2007, 1509-1512

142	B. Jagadeesh,* A. Prabhakar, D. Sharma S. Chandrasekhar,* G. Chandrasekhar, M. Srinivasa Reddy and B. Jagannadh*	Formation of left handed helices in hybrid peptide oligomers with cis b-sugar amino acid and L-Ala as building blocks	Chemical Communications 2007, 371-373
143	S. Chandrasekhar,* K. Vijeender and Sreedhar	L-Proline catalyzed one pot synthesis of 2-aryl-2,3 dihydro 1H-quinolin-4-ones	Tetrahedron Letters 2007, 48, 4935-4937
144	A. S. K. Murthy,* Ch. Rambabu, K.Vijeender, P. B. Bhushan and S. Chandrasekhar	A Pd(OAc) <sub>2</sub> mediated one pot synthesis of trisubstituted alkenes by Michaeladdition of stable ylide to Baylis-Hillman adducts	Synlett 2007, 494-496
145	S. Chandrasekhar,* Ch. Lohitha Rao, Ch. Nagesh and Ch. Raji Reddy	Caveat in inter and intramolecular 'click' reaction: Synthesis of furanotriazole macrocycles	Tetrahedron Letters 2007, 48, 5869-5872
146	S. Chandrasekhar,* G. Pavankumar Reddy, Ch. Nagesh and Ch. Raji Reddy	A Novel One-Pot conversion of amines to homologated esters in poly(ethylene glycol)	Tetrahedron Letters 2007, 48, 1269-1271
147	I. Pratap, S. Chandrasekhar, J. S. Yadav, Rene Gree*	A catalytic method for converting vinylic furanoses into cyclopentenones	Angewandte Chemie 2007, 46, 6297-6300
148	Ch. Raji Reddy,* K. Vijeender, P. B Bhusan, P. Phani Madhavi and S. Chandrasekhar	Reductive N-alkylation of aromatic amines and nitro compounds with nitriles using polymethylhydroxiloxane	Tetrahedron Letters 2007, 48, 2765-2768
149	S. Chandrasekhar,* Ch. Rambabu and T. Shyamsundar	Total synthesis of Aculeatins A and B via a tethered oxa-Michael approach	Tetrahedron Letters 2007, 48, 4683-4685
150	S. Chandrasekhar,* G. Parimala, B. Tiwari and Ch. Narsimhulu	Highly stereoselective synthesis of a novel antifungal piperazic acid derivative	Synthesis 2007, 1677-1682
151	S Das, S. Chandrasekhar, J. S. Yadav and R Gree*	Ionic liquids as recyclable solvent for diethyl amino sulphur trifluoride	Tetrahedron Letters 2007, 48, 5305-5307

		(DAST) mediated fluorination of alcohols and carbonyl compounds	
152	Ch. Raji Reddy,* N. Kiranmai, G. S. Kiran Babu, G. Dattatreya Sarma, B. Jagadeesh and S. Chandrasekhar	Palladium catalyzed addition of hydroxylamine derivatives to Baylis Hillman acetate adducts	Tetrahedron Letters 2007, 48, 215-218
153	S Das, S. Chandrasekhar, J. S. Yadav and Rene Gree*	Recent developments in the synthesis of Prostaglandins and analogues	Chemical Reviews 2007, 107, 3286-3337
154	S. Chandrasekhar,* S. Shameem sultana, N. Kiranmai and Ch. Narsihmulu	Asymmetric synthesis of (+)-tetrahydropseudodistomin	Tetrahedron Letters 2007, 48, 2373-2375
155	G Gim, M Lijuan, Z Hua, M Ghate, C Ahn, T-J Won, T-H Kim, Ch. Raji Reddy, S. Chandrasekhar, and D-S Shin*	Practicable Synthesis of 1-(1-Phenylethyl)-1H-pyrido[2,3-b][1,4]oxazine	Bull. Korean Chem. Society 2007, 28, 2486-2488
156	S. Chandrasekhar,* M. Srinivasa Reddy, G.S. Kiran Babu and A. Sai Krishna Murthy	Stereoselective synthesis of protected (2R, 3R, 4S) 4,7-diamino-2,3-dihydroxyheptanoic acid, a constituent of Callipeltins A and D	etrahedron Letters 2006, 47, 7307-7309
157	B. Jagannadh,* B. Jagadeesh,* A. Prabhakar, S. Chandrasekhar,* M. Srinivasa Reddy and Ch. Lohitha Rao	Self-assembly of cyclic homo- and hetero-b-peptides with cis- furanoid sugar amino acid and $\beta$ -hGly as building blocks	Chemical Communications 2006, 4847-4849
158	S. Chandrasekhar,* S. Shameem sultana, Y. Srinivasa Rao and N. Ramakrishna Reddy.	Copper-catalyzed N-arylation of amines/amides in poly ethylene glycol (400 Daltons) as recyclable solvent medium.	Synthesis 2006, 839-842
159	S. Chandrasekhar,* S. Jaya Prakash and B. Tiwari	Concise synthesis of truncated pachastrissamine (jaspine B) and its enantiomer	Arkivoc 2006, 155-161

160	S. Chandrasekhar,* G. Chandrasekhar, K. Vijeender and M. Srinivasa Reddy	Synthesis of trisubstituted alkenes by reductive dehydroxylation of Baylis Hillman adducts using PMHS and catalytic B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub>	Tetrahedron Letters 2006, 47, 3475-3478
161	B. S. Sastry, K. S. Babu, T. H Babu, S. Chandrasekhar, P. V. Srinivas, A. K. Saxena and J. M. Rao*	Synthesis and biological studies of amide derivatives of Nimbolide	Bio. Med.Chem.Lett 2006, 4391-4394
162	S. Chandrasekhar,* T. Shyamsunder, S. Jaya Prakash, A. Prabhakar and B. Jagadeesh	First total synthesis of (-)-diospongin B.	Tetrahedron letters 2006, 47, 47-49
163	S.Chandrasekhar,* and S. Shameem Sultana	Stereoselective synthesis of the C1-C20 segment of Microsclerodermin A and B	Tetrahedron Letters 2006, 47, 7225-7228
164	S. Chandrasekhar,* B. Saritha, V. Jagadeshwar, Ch. Narsihmulu, D Vijay, G. D Sarma and B. Jagadeesh	Hydroxy assisted catalyst free Michael addition-dehydroxylation of Baylis-Hillman adducts in poly (ethylene glycol)	Tetrahedron Letters 2006, 47, 2981-2984
165	S. Chandrasekhar,* B. Saritha, V. Jagadeshwar and S. Jayaprakash	Practical and highly stereoselective approaches to the total synthesis of (-)-codonopsinine	Tetrahedron Asymmetry 2006, 17, 1380-1386
166	S. Chandrasekhar,* Ch. Rambabu and D. Basu	‘Three component coupling of alkynes, Baylis-Hillman adducts and sodium azide : New Synthesis of substituted triazoles”	Tetrahedron Letters 2006, 47, 3059-3063
167	S. Chandrasekhar,* B. Nagendra Babu, A. Prabhakar, A. Sudhakar, M. Srinivasa Reddy, M. Uday Kiran and B. Jagadeesh	Oligomers of cis-β-norbornene amino acid: Formation of β-strand mimetics	Chemical Communications 2006, 1548-1550
168	S. Chandrasekhar, Y. Srinivasa Rao, D Basu and P. Srihari *	Tris(pentafluorophenyl)borane catalyzed synthesis of N-benzyl pyrrolidines	Synthesis 2006, 2646-2647

169	S. Chandrasekhar,* N. Ramakrishna Reddy and Y. Srinivasa Rao	Synthetic studies on Ecteinascidin-743: Synthesis of building blocks through Sharpless Asymmetric Dihydroxylation and Aza-Michael reactions	Tetrahedron 2006, 62, 12098-12107
170	S. Chandrasekhar,* G. Chandrasekhar and K. Vijeender	Stereoselective Synthesis of (-)-Bulgecinine Hydrochloride and its C-2 Epimer from L-Ascorbic Acid	Tetrahedron asymmetry 2006, 17, 2864-2869
171	S. Chandrasekhar,* G. Chandrasekhar, M. Srinivasa Reddy and P. Srihari	A facile chemoselective conjugate reduction using polymethylhydrosiloxane (PMHS) and catalytic B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub>	Org. Biomol. Chem. 2006, 4, 1650-1652
172	S. Chandrasekhar,* S. Jaya Prakash and Ch. Lohitha Rao	Polyethylene glycol (400) as superior solvent medium against ionic liquids for catalytic hydrogenations with PtO <sub>2</sub>	J. Org. Chem 2006, 71, 2196-2199
173	S. Chandrasekhar,* N. Ramakrishna Reddy, S. Shameem sultana, Ch. Narsimhulu and K. V. Reddy	L-Proline catalyzed asymmetric aldol reaction in PEG and transfer aldol reactions	Tetrahedron 2006, 62, 338-345
174	S. Chandrasekhar,* V. Jagadeshwar and S. Jaya Prakash	Total Synthesis of the Alkaloid (-) Codonopsinine from L-Xylose	Tetrahedron Letters 2005, 46, 3127-3129
175	S. Chandrasekhar,* Ch. Narsimhulu, B. Saritha and V. Jagadeshwar	Palladium-triethylborane triggered direct and regioselective conversion of allylic alcohols to allyl phenyl sulfones	J. Org. Chem., 2005, 70, 6506-6507
176	S. Chandrasekhar* and G. Chandrasekhar	First simple and efficient synthesis of unnatural dipeptide part of Phomopsin A	Tetrahedron Asymmetry 2005, 16, 2209-2216
177	S. Chandrasekhar,* S. Jaya Prakash, T. Shyamsunder and T. Ramachander	Tantalum (V) Chloride-Silicagel: An Efficient Catalyst for Conversion of Carbonyl Compounds to 1,3-Oxathiolanes	Synthetic Communications 2005, 35, 3127-3131

178	S. Chandrasekhar,* B. Nagendra Babu and G. Chandrashekar	Tris(pentafluorophenyl)borane	eEROS, 2006 DOI: 10.1002/047084289X.rn00620
179	S. Chandrasekhar,* B. Nagendra Babu, N. Ramakrishna Reddy and L. Chandraiah.	Towards total synthesis of pyrolicidins	ARKIVOC Part(xi), 2005, 40-47
180	M.Prakesch, D. Grée, S. Chandrasekhar,* and R.Grée*	Synthesis of fluoro analogues of unsaturated fatty acids and corresponding acyclic metabolites	Eur. J. Org. Chem. 2005, 1221-1232
181	S. Chandrasekhar,* Y. Srinivasa Rao and N. Ramakrishna Reddy.	B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> -Catalyzed synthesis of $\beta$ -keto enol ethers from $\beta$ -diketones	Synlett 2005, 1472-1473
182	S. Chandrasekhar,* M. Srinivasa Reddy, B. Nagendra Babu, B. Jagadeesh, A. Prabhakar and B. Jagannadh.	Expanding the Conformational Pool of cis- $\beta$ -Sugar Amino Acid: Accommodation of $\beta$ -hGly Motif in Robust 14-Helix	J. Am. Chem. Soc. 2005, 127, 9664-9665
183	S. Chandrasekhar,* Ch. Rambabu and S. Jaya Prakash	Total synthesis of 6-epiprelactone-V via syn selective oxygen tethered intra-molecular Michael reaction	Tetrahedron Letters 2006, 47, 1213-1215
184	S. Chandrasekhar,* S. Jaya Prakash and T. Shyamsunder	Asymmetric synthesis of pyran antibiotic (-)-centrolbine	Tetrahedron Letters 2005, 46, 6651-6653
185	S. Chandrasekhar,* K. Vijeender and K. V. Reddy	New Synthesis of Flavanones Catalyzed by L-Proline	Tetrahedron Letters 2005, 46, 6991-6993
186	S. Chandrasekhar,* Ch. Narsihmulu, G. Chandrasekhar, and T. Shyamsunder	Pd/CaCO <sub>3</sub> in liquid poly (ethylene glycol) (PEG): Easy and efficient recycle system for partial reduction of alkynes to cis-olefins under hydrogen atmosphere	Tetrahedron Letters 2004, 45, 2421-2423
187	D. Basu, M. Chandrasekharam, P. S.	A synthetic approach to terpenoids: decahydrobenzo[f]chromenes by an intermolecular Diels-Alder route	Arkivoc 2011, 355-362

	Mainkar and S. Chandrasekhar*		
188	S. Chandrasekhar,* Ch. Narsimhulu, S. Shameem sultana and M. Srinivasa Reddy	The first stereo selective total synthesis of (6S)-5,6-dihydro-6-[-(2R)-2-hydroxy-6-phenylhexyl]-2H-pyran-2-one	Tetrahedron Letters 2004, 45, 9299-9301
189	S. Chandrasekhar,* a V. Jagadeshwar, Ch. Narsihmulu, M. Sarangapani, D. R. Krishna, J. Vidyasagar, D Vijay and G. Narahari Sastry	Design, synthesis and cytotoxic studies of simplified oxy-analogue of eleutherobin	Bio-org. Med. Chem. Lett 2004, 143, 3687-3689
190	S. Chandrasekhar,* Ch. Narsimhulu, N. Ramakrishna Reddy and S. Shameem sultana	L- Proline catalyzed asymmetric transfer aldol reaction between diacetone alcohol and aldehydes	Chemical Communications 2004, 2450-2451
191	S. Chandrasekhar,* B. Nagendra Babu, G. Chandrashekar, K. Vijeender and K. V. Reddy	Reductive etherification of carbonyl compounds with alkoxy trimethyl silylethers using polymethylhydrosiloxane (PMHS) and catalytic B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub>	Tetrahedron Letters 2004, 45, 5497-5499
192	S. Chandrasekhar,* Ch. Narsihmulu, B. Saritha and S. Shameem sulthana	Poly ethylene glycol (PEG): A recyclable reaction medium reaction medium for the DABCO catalyzed Baylis-Hillman reaction	Tetrahedron Letters 2004, 45, 5865-5867
193	S. Chandrasekhar,* Ch. Narsimhulu, N. Ramakrishna Reddy and S. Shameem Sultana	Asymmetric aldol reaction in poly (ethylene glycol) catalyzed by L-proline	Tetrahedron Letters 2004, 45, 4581-4582
194	S. Chandrasekhar,* B. V. D. Vijaykumar, B. Mahesh Chandra, Ch. Raji Reddy and P. Naresh	Flow chemistry approach for partial deuteration of alkynes: Synthesis of deuterated taxol side chain	Tetrahedron Letters 2011, 52, 3865-3867
195	S. Chandrasekhar,* S. Jaya Prakash, T. Shyamsunder and T. Ramachander	TaCl <sub>5</sub> -SiO <sub>2</sub> catalyzed ring opening of aziridines with aromatic amines	Synthetic Communications 2004, 34, 3865-3873



196	S. Chandrasekhar,* B. Nagendra Babu, M Ahmed, M. Venkat Reddy, P. Srihari, B. Jagadeesh and A. Prabhakar	Safe and convenient reduction of $\alpha$ -isoxazolines with PMHS/Pd(OH) <sub>2</sub> /C	Synlett 2004, 1303-1305
197	S. Anjaiah, S. Chandrasekhar and R. Gree*	Stetter Reaction in Room Temperature Ionic Liquids and Application to the synthesis of Haloperidol	Advanced Synthesis and Catalysis 2004, 346, 1329-1334
198	S Chandrasekhar,* G Chandrasekar and Ch Raji Reddy	First Ferrier reaction of Glucals with sulphonamides catalysed by B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub>	Tetrahedron Letters 2004, 45, 6481-6484
199	S. Chandrasekhar,* M. Seenaiiah, A. Kumar, Ch. Raji Reddy, Suman Kumar, M., C. Ganesh Kumar and Sridhar. B.	Intramolecular copper(I)-catalyzed 1, 3-dipolar cycloaddition of azido-alkynes: Synthesis of triazolo-benzoxazepine derivatives as anti-microbial agents	Tetrahedron Letters 2011, 52, 806-808
200	S. Chandrasekhar,* T. Ramachandar and T. Shyam Sunder	Applications of Trivalent and Pentavalent Tantalum in Organic Synthesis	I. J. C. B (Review) 2004, 43B, 813-838
201	S. Chandrasekhar,* M. Srinivas Reddy, B. Jagadeesh, A. Prabhakar, M. H. V. Ramana Rao and B. Jagannadh	Formation of a Stable 14-Helix in Short Oligomers of Furanoid cis-b-Sugar Amino Acid	J. Am. Chem. Soc. 2004, 126, 13586-13587
202	S. Chandrasekhar,* T. Shyamsunder, G. Chandrasekhar and Ch. Narsihmulu	Hydrogenation and Hydrogenolysis with Pd-C in Poly(ethylene glycol) (PEG): A Practical and Recyclable Medium	Synlett 2004, 522-524
203	S. Anjaiah, S. Chandrasekhar and R. Gree*	Synthesis and preliminary use of novel acrylic ester derivative-task-specific ionic liquids	Tetrahedron letters 2004, 45, 569-571
204	S. Anjaiah, S. Chandrasekhar and R. Gree*	Carbon-Ferrier rearrangements in ionic liquids using Yb(OTf) <sub>3</sub> as catalyst	Journal of Molecular Catalysis A: Chemical, 2004, 214, 133-136

205	J. S. Yadav,* V. Geetha, A. Krishnamraju, D. Gnaneshwar and S. Chandrasekhar	The first total synthesis of the 6-hydroxy-4E-sphingenes	Tetrahedron letters 2003, 44, 2983-2985
206	S.Chandrasekhar,* Ch. Narsihmulu, V. Jagadeshwar and K.Venkatramreddy	The first Corey-Chaykovsky epoxidation and Cyclopropanation in ionic liquids	Tetrahedron letters 2003, 44, 3629-3630
207	S. Chandrasekhar,* Ch. Narsimhulu, S. Shameem sultana and N. Ramakrishna Reddy	Osmium tetroxide in poly (ethylene glycol) (PEG): A recyclable reaction medium for rapid asymmetric dihydroxylation under Sharpless conditions:	J. C. S. Chem. Commun. 2003, 1716-1717
208	Ch.Sanjeeva Reddy,* G. Smitha and S. Chandrasekhar.	ZrCl <sub>4</sub> as a mild and efficient catalyst for one-pot conversion of TBS and THP ethers to acetates.	Tetrahedron letters, 2003, 44, 4693-4695
209	L. F.Tietze,* H Bell and S.Chandrasekhar	Hybrid natural products as 'Leads' in pharmaceuticals	Angewandte Chemie 2003, 42, 3996-4028
210	S. Chandrasekhar,* Ch. Srinivas and P. Srihari	Phenyl sulfonyl acetaldehyde diethyl acetal: A new robust 1, 2 – diol protective group	Synthetic Communications 2003, 895-902
211	S. Chandrasekhar,* Ch. Narsimhulu, S. Shameem sultana, B. Saritha and S. Jayaprakash	Solvent and Catalyst Free Three Component Coupling of Carbonyl Compounds, Amines and Triethylphosphite; A New Synthesis of $\alpha$ - Aminophosphonates.	Synlett 2003, 505-506
212	S. Chandrasekhar,* Ch. Raji Reddy and B. Nagendra Babu	Single step conversion of N-Benzyl, N-trityl, N-Diphenyl methyl amines to tert.Butyl carbamates using PMHS	Tetrahedron Letters 2003, 44, 2057-2059
213	S. Chandrasekhar,* Ch. Narsimhulu, N. Ramakrishna Reddy and M. Srinivas Reddy	Triethylborane triggered intermolecular domino Michael-aldol three component coupling reaction	Tetrahedron Letters 2003, 44, 2583-2585

214	S. Chandrasekhar,* Ch. Raji Reddy, B. Nagendra Babu and G. Chandrashekar	Highly efficient cleavage of epoxides catalyzed by B (C6F5) <sub>3</sub>	Tetrahedron Letters 2002, 43, 3801-3803
215	S. Chandrasekhar, Ch. Raji Reddy and B. Nagendra Babu	Rapid defunctionalization of carbonyl functionality to methylene using polymethyl-hydrosiloxane-B(C6F5) <sub>3</sub>	J. Org. Chem. 2002, 67, 9080-9082
216	S. Chandrasekhar,* N. Ramakrishna Reddy, M. Venkat Reddy, B. Jagannadh, A. Nagaraju, A. Ravi Sankar and A. C. Kunwar	Highly efficient synthesis of 3-alkyl/aryl-4-aryl 1, 2, 3, 4-tetrahydroisoquinolines from N, N-dibenzyl aminols	Tetrahedron Letters 2002, 43, 1885-1888
217	S. Chandrasekhar,* Ch. Narsimhulu and V. Jagadeeshwar	Ultrasound promoted onepot conversion of nitro compounds to carbamates	Synlett 2002, 771-772
218	S. Chandrasekhar,* Ch. Narsimhulu, S. Shameem sultana and N. Ramakrishna Reddy	Poly (ethylene glycol) (PEG) as Reusable Solvent Medium for Organic Synthesis; Application in Heck reaction	Organic Letters 2002, 4, 4399-4401
219	S. Chandrasekhar* and Ch. Raji Reddy	Towards a synthesis of epothilone A: asymmetric synthesis of C(1)-C(6) and C(7)-C(15) fragments	Tetrahedron: Asymmetry 2002, 13, 261-268
220	S. Chandrasekhar,* T. Ramachandar and M. Venkat Reddy	An Efficient Synthesis of (-)Deacetyl Anisomycin Starting from D- Tyrosin	Synthesis 2002, 1867-1870
221	S. Chandrasekhar,* Abbas Raza, M. Venkat Reddy and J. S. Yadav	Solid Phase Synthesis of Isoxazolines	Journal of Combinatorial Chemistry 2002, 4, 652-655
222	S. Chandrasekhar,* Ch. Raji Reddy, R. Jagadeeshwar Rao and J. Madusudana Rao	Efficient and Chemoselective Deoxygenation of Amine N- Oxides using Polymethyl-hydrosiloxane	Synlett 2002, 349-351

223	S. Chandrasekhar, J. S. Yadav, J. C. Guillemin, P. L. Pathi and R. Gree*	Soluble polymer supported asymmetric synthesis (SPSAS)	Ind. J. Chem. 2002, 41B, 2116-2128
224	S. Chandrasekhar,* Ch. Narsimhulu and S. Shameem sultana	Ceric ammonium nitrate (CAN) catalyzed ring cleavage of N-tosyl aziridines: a potential tool for solution phase library generation	Tetrahedron Letters 2002, 43, 7361-7363
225	S. Chandrasekhar,* J. S. Yadav, J. C. Guillemin, S. Shameem sultana, Ch. Narsimhulu and R. Gree	Direct condensation of carboxylic acids with polyethylene glycol catalyzed by Sc(OTf) <sub>3</sub>	Tetrahedron Letters 2002, 43, 8335-8337
226	S. Chandrasekhar,* Abbas Raza and M. Takhi	Synthesis of unusual amino acids: N- (tert-butoxycarbonyl)-L-vinyl glycine and N- (tert-butoxycarbonyl)-L-homophenylalanine	Tetrahedron: Asymmetry 2002, 13, 423-428
227	S. Chandrasekhar,*G. Rajaiah, L. Chandraiah and D. N. Swamy	Direct conversion of tosylhydrazones to tert-butyl ethers under Bamford-Stevens reaction conditions	Synlett 2001, 1779-1780
228	S. Chandrasekhar,* S. Jayaprakash, V. Jagadeshwar and Ch. Narsimhulu	Three component coupling catalyzed by TaCl <sub>5</sub> -SiO <sub>2</sub> : synthesis of α-aminophosphates	Tetrahedron Letters 2001, 42, 5561-5563
229	S. Chandrasekhar,* T. Ramachandar and B. Venkateshwara Rao	Chiron approach to callipeltin A: first synthesis of fully protected (2R, 3R, 4S)-4,7-diamino-2,3-dihydroxy heptanoic acid	Tetrahedron Asymmetry 2001, 12, 2315-2321
230	S. Chandrasekhar,* G. Rajaiah and P. Srihari	New and practical synthesis of 1, 4-dihydrobenzopyrano pyrazoles	Tetrahedron Letters 2001, 42, 6599-6601
231	S. Chandrasekhar,* Ch. Raji Reddy and R. Jagadeeshwar Rao	Facile and selective cleavage of allyl ethers, amines and esters using polymethylhydrosiloxane-ZnCl <sub>2</sub> /Pd (PPh <sub>3</sub> ) <sub>4</sub>	Tetrahedron 2001, 57, 3435-3438

232	S. Chandrasekhar,*Ch. Raji Reddy and R. Jagadeeshwar Rao	Unprecedented Direct Conversion of N-N and N=N bonds to N-(tert-Butyloxy)-carbamates	Synlett 2001, 1561-1562
233	S. Chandrasekhar,* Ch. Srinivas, M. Suresh Kumar and B. Muralidhar	Bromoacetone: A New Protective Group for 1,2-diols Cleavable with Zinc	Synthetic Communications 2000, 30, 1147-1152
234	S. Chandrasekhar,* M. Venkat Reddy and G. Rajaiah	New entry to acyclic amines via alkylative fragmentation of cyclic aminoaldehyde tosylhydrazones	Tetrahedron Letters 2000, 41, 10131-10134
235	S. Chandrasekhar,* M. Venkat Reddy, K. Srinivas Reddy and C. Ramarao	Addition of carbon nucleophiles to aldehyde tosylhydrazones of aromatic and heteroaromatic compounds: total synthesis of piperine and analogs	Tetrahedron Letters 2000, 41, 2667-2670
236	S.Chandrasekhar,*M. Venkat Reddy and L. Chandraiah	One-pot Conversion of Oximes to N-(tert-Butoxycarbonyl) Amines with Polymethylhydrosiloxane, Pd-C and Di-tert-butylidicarbonate	Synlett 2000, 1351-1353
237	S. Chandrasekhar* and Ch. Narsihmulu	Direct conversion of azides to carbamates and sulfonamides using Fe/NH <sub>4</sub> Cl: effect of sonication	Tetrahedron Letters 2000, 41, 7969-7972
238	S. Chandrasekhar,* T. Ramachandar, M. Venkat Reddy and M. Takhi.	A Single Step Conversion of Tetrahydropyranyl Ethers to Acetates	J. Org. Chem. 2000, 65, 4729-4731
239	S. Chandrasekhar,* Ch. Raji Reddy and M. Venkat Reddy	DDQ as a versatile reagent for the oxidative cleavage of tosyl hydrazones and oximes	Chemistry Letters, 2000, 430-431
240	S. Chandrasekhar,* and M. Venkat Reddy	An Expedient Total Synthesis of cis-(+)-Sertraline from D-(+)-Phenylglycine	Tetrahedron 2000, 56, 1111-1114
241	S. Chandrasekhar,* Ch. Raji Reddy and M. Ahmed	A Single Step Reductive Amination of Carbonyl Compounds with Polymethylhydrosiloxane-Ti(OiPr) <sub>4</sub>	Synlett 2000, 1655-1657

242	S. Chandrasekhar,* T. Ramachandar and S. Jaya Prakash	TaCl <sub>5</sub> -catalyzed cleavage of epoxides with aromatic amines	Synthesis 2000, 1817-1818
243	S. Chandrasekhar* and M. Venkat Reddy	Enantioselective Total Synthesis of Anti-hypertensive agent (S, R, R, R)-Nebivolol	Tetrahedron 2000, 56, 6339-6344
244	S. Chandrasekhar,* L. Chandraiah, Ch. Raji Reddy and M. Venkat Reddy	Direct Conversion of Azides and Benzylcarbamates to t-butyl Carbamates using Polymethylhydrosiloxane and Pd-C	Chemistry Letters 2000, 780-781
245	S. Chandrasekhar,* M. Venkat Reddy and L. Chandraiah	Inexpensive protocol for reduction of imines to amines using polymethylhydrosiloxane (PMHS)	Synthetic Communications 1999, 29, 3981-3987
246	S. Chandrasekhar,* P. K. Mohanthy, K Harikishan, and P. K. Sasmal	Unexpected Formation of 3 Substituted 1,2,3,4-Tetrahydroisoquinolines During Tosylation of N,N-dibenzyl aminols	Organic Letters 1999, 1, 877-878
247	J. S. Yadav,* K. V. Reddy, K. Rajshekar and S. Chandrasekhar	Practical synthesis of pheromone components of achaea janta (Noctinidae)	Synthetic Communications. 1998, 28, 4249-4255
248	S. Chandrasekhar* and P. K. Mohanty	Stereoselective Synthesis of (+)-CP-99,994: A substance P Non-peptide Antagonist	Tetrahedron Letters 1999, 40, 5071-5072
249	S. Chandrasekhar,* M. B. Padmaja and A Raza	Solid Phase-Solid State Synthesis of N-alkyl Imides from Anhydrides	Synlett 1999, 1597-1599
250	S. Chandrasekhar* and M. Ahmed.	Reductive opening of aziridines with polymethylhydrosiloxane	Tetrahedron Letters 1999, 40, 9325-9327
251	S. Chandrasekhar,* P. K. Mohanty and A. Raza	One Pot Synthesis of Acetylated Homoallyl Alcohols	Synthetic Communications. 1999, 29, 257-262
252	J. S. Yadav,* S. Sarkar and S. Chandrasekhar	A Convergent Total Synthesis of Mappicine Ketone: A Leading Antiviral Compound	Tetrahedron 1999, 55, 5449-5456

253	S. Chandrasekhar,* S Mohapatra and J. S. Yadav	Practical Synthesis of Abbott Amino Diol : A Core Unit of the Potent Renin Inhibitor Zankiren	Tetrahedron 1999, 55, 4763-4768
254	S. Chandrasekhar,* P. K. Mohanty and T. Ramachandar	One-pot Deprotective Oxidation of O-Allyl Ethers Using 70% tert-Butyl Hydroperoxide and Catalytic CrO <sub>3</sub>	Synlett 1999, 1063-1064
255	S. Chandrasekhar,* A Raza and M. B. Padmaja	Novel Solid State Reduction of Organic Functional Groups on Solid-Support (Merrifield's Resin)	Synlett 1999, 1061-1062
256	S. Chandrasekhar* and S Sarkar	Methylenephnylsulfone Appen-ded Acetals and Ketals: New class of Carbonyl Protective Groups Cleavable by DBU	Tetrahedron Letters 1998, 39, 2401-2404.
257	S. Chandrasekhar* and S. Mohapatra	Neighbouring Group Assisted Sulphonamide Cleavage of Sharp-less Aminols under Acetonation conditions	Tetrahedron Letters 1998, 39, 695-698
258	S. Chandrasekhar,* Y R. Reddy and C. R Reddy	Regioselective Reductive ring Opening of 1,2 and 1,3 Benzylidene Acetals	Chemistry Letters 1998, 1273-1274
259	S. Chandrasekhar* and B. V. Subba Reddy	First TaCl <sub>5</sub> -SiO <sub>2</sub> Catalysed Prins Reaction: Comparative Study of Conventional Heating Vs. Microwave Irradiation	Synlett 1998, 851-852
260	S. Chandrasekhar,* T. Ramachandar and M. Takhi	Acylation of alcohols with acetic anhydride catalyzed by TaCl <sub>5</sub> : Some implications in kinetic resolution	Tetrahedron Letters 1998, 39, 3263-3266
261	S. Chandrasekhar,* M. Suresh Kumar and B. Muralidhar	One-pot Conversion of Carboxylic acids to Aldehydes with DIBAL-H	Tetrahedron Letters 1998, 39, 909-910
262	S. Chandrasekhar* and S. Mohapatra	Asymmetric Synthesis of Anti-Convulsive Drug(S)-Vigabatrin	Tetrahedron Letters 1998, 39, 6415-6418.

263	S. Chandrasekhar,* M. Venkat Reddy and M. Takhi	Caveat in Alkylative Fragmentation of Aldehyde Tosylhydrazones of Cyclic Ethers	Tetrahedron Letters 1998, 39, 6535-6538
264	S. Chandrasekhar* and M. B. Padmaja	Practical preparation of first carbon linked polymer bound 1,3-diol	Synthetic Communications 1998, 28, 3715-3720
265	S. Chandrasekhar,* M. Takhi, Y. R. Reddy, S. Mohapatra, C. R. Rao and K. Venkatram Reddy	TaCl <sub>5</sub> -SiO <sub>2</sub> and TaCl <sub>5</sub> as Lewis acid systems for selective tetrahydropyranylation of alcohols and thioacetalisation, trimerisation and aldolisation of aldehydes	Tetrahedron 1997, 53, 14997-15004
266	S. Chandrasekhar,* B. Muralidhar and S Sarkar	A mild and convenient deprotection of 4-phenyl 1,3-dioxolane derivatives under catalytic hydrogenation	Synthetic Communications 1997, 27, 2691-2694
267	S. Chandrasekhar* P. K Mohanty and M. Takhi	A practical one pot di-O-silylation and deprotective oxidation of 10-O-silyl ether in 10,20-diols	J. Org. Chem. 1997, 62, 2628-2629
268	J. R. Falck,* K. K. Reddy and S Chandrasekhar	Synthesis and Structure Revision of the myo-inositol Monophosphate Inhibitor L-671, 776	Tetrahedron Letters 1997, 38, 5245-5248
269	S. Chandrasekhar,* K. Rajasekhar and Y. Ravindra Reddy	Selective oxidative cleavage of dioxolane derivatives of sugars using FeCl <sub>3</sub> -NaIO <sub>4</sub>	Carbohydrate Letters 1997, 2, 217-219
270	S. Chandrasekhar,* Y. Ravindra Reddy and C. Rama Rao	Chemoselective reduction of carbonyl compounds with PMHS-ZnCl <sub>2</sub>	Synthetic Communications 1997, 27, 2251-2254
271	S. Chandrasekhar,* M. Takhi and G. Uma	Solvent free N-alkyl and N-arylimides preparation from Anhydrides catalysed by TaCl <sub>5</sub> -SiO <sub>2</sub>	Tetrahedron Letters 1997, 38, 8089-8092
272	J. S. Yadav,* S. Chandrasekhar and P. K. Sasmal	First and stereoflexible synthesis of vinylogous side chains of Taxol	Tetrahedron Letters 1997, 38, 8765-8768



273	J. S. Yadav,* S. Chandrasekhar, G. Sumithra and K. Rajasekhar	Selective and unprecedented oxidative deprotection of allyl ethers with DDQ	Tetrahedron Letters 1996, 37, 6603-6606
274	S. Chandrasekhar,* G. Sumithra and J. S. Yadav	Deprotection of mono and dimethoxy benzyl ethers with catalytic amounts of DDQ	Tetrahedron Letters 1996, 37, 1645-1646
275	S. Chandrasekhar,* S. Mohapatra and M. Takhi	Practical and convenient reduction of sugar hydrazones to allyl alcohols	Synlett 1996, 759-760
276	S. Chandrasekhar,* M. Takhi and S. Mohapatra	Tetramethylethylenediammonium dichromate (TMEDADC): A new selective oxidation reagent	Synthetic Communications 1996, 26, 3947-3951
277	S. Chandrasekhar,* S. Mohapatra and S. Lakshman	Study of Bamford-Stevens re-action on $\alpha$ -oxytosylhydrazones	Chemistry Letters 1996, 211-212
278	S. Chandrasekhar,* M. Takhi and J. S. Yadav	An expeditious approach for the Synthesis of optically active allyl alcohols	Tetrahedron Letters 1995, 36, 5071-5074
279	J. S. Yadav,* C. Srinivas Rao, S. Chandrasekhar and A. V. Rama Rao	Asymmetric Synthesis of C19 to C27 fragment of Rifamycin-S	Tetrahedron Letters 1995, 36, 7717-7720
280	J. S. Yadav,* S. Chandrasekhar and K. Rajasekhar	Short and stereoselective Synthesis of Pheromone components of <i>Aproaerema modicella</i>	Synthetic Communications 1995, 25, 4035-4043
281	S. Chandrasekhar,* M. Takhi and J. S. Yadav	Alkylative elimination of $\alpha$ , $\beta$ -epoxy tosylhydrazones	Tetrahedron Letters 1995, 36, 307-310
282	J. S. Yadav,* S. Chandrasekhar, Y. Ravindra Reddy and A. V. Rama Rao	Synthesis of (2S, 3R)-3-hydroxy-leucine: A Constituent of lysobactin	Tetrahedron 1995, 51, 2749-2754
283	S. Chandrasekhar,* Ch. Narsimhulu, V. Jagadeshwar and S. Shameem sultana	Synthesis of 'C' ring of Eleutherobin	ARKIVOC Part (iii), 2005, 92-98

284	S. Chandrasekhar, J. Yu, J. R. Falck* and C. Mioskowski*	SmI2 mediate reductive addition of Bis-phenylsulfones to ketones	Tetrahedron Letters 1994, 35, 5441-5444
285	J. Yu, H. S. Cho, S. Chandrasekhar, J. R. Falck* and C. Mioskowski*	Reductive lithiation of bis phenylsulfones	Tetrahedron Letters 1994, 35, 5437-5440
286	S. Manna, S. Chandrasekhar, J. R. Falck,* C. Mioskowski and L. Alcaraz	Terpenoid chirons: Preparation and transformations of 2-hydroxyl 1,1,4a-(R)-6-tetra-methyl-trans-D5,6 octalin	Tetrahedron Letters 1994, 35, 2013-2016
287	J. R. Falck,* S. Chandrasekhar, S. Manna, C. S. Chiu, C. Mioskowski* and I. Wetzel	Total Synthesis of the spiro-o-benzoquinonefuran (-)-stypol-dione	J. Am. Chem. Soc. 1993, 115, 11606-11607
288	B. Heckmann, C. Alayrac, C. Mioskowski,* S. Chandrasekhar and J. R. Falck*	Oxidative decarboxylation of mandelate ethers and $\alpha$ -substituted phenyl acetates via dioxetanone generation	Tetrahedron Letters 1992, 33, 5205-5208
289	G. V M Sharma,* S. R Vepachedu and S. Chandrasekhar	Synthesis of (3S, 4R)-(+)-3-methyl-4-butyl-octanolide from D-glucose	Synthetic Communications 1990, 20, 3403-3410
290	A. V Rama Rao,* J. S Yadav, C. Srinivas Rao and S. Chandrasekhar	Radical cyclization in stereospecific introduction of chirality at "Off Template Site" of 1,2-O-isopropylidene- $\alpha$ -D-xylohexofuranose	JCS Perkin Trans. I 1990, 1211-1212
291	G. V. M. Sharma* and S. Chandrasekhar	Selective hydrogenation of organic azides by Interlamellar montmorillonite diphenyl phosphine palladium (II) catalyst	Synthetic Communication 1989, 19, 3289-3293
292	A. V. Rama Rao,* J. S. Yadav, S. Chandrasekhar and C. Srinivas Rao	Highly stereoselective approach for $\beta$ -hydroxy- $\alpha$ -amino acids from D-glucose: The Synthesis of MeBmt.	Tetrahedron Letters 1989, 30, 6769-6772

**Patents:**

Sl#	Inventors	Title	Description	Year	Country
1	S. Chandrasekhar, P. S. Mainkar, Ch. R. Reddy, S. Ramakrishna, A. S. Balaji, K. Madhusudhana, M. M. V. S. Rao and T. S. Krishna	HDAC Inhibitors for Idiopathic Pulmonary Fibrosis	Application submitted, 2020	2020	India
2	S. Chandrasekhar, A. Shivakrishna, Ch. R. Reddy, G. Sudhakar, T. Kumaraguru, P. Srihari, P. S. Mainkar, N. Rajesh and S. Ghosh	Chemo-enzymatic Process for the Process of Eribulin Intermediates	Application submitted, 2020	2020	India
3	Ch. R. Reddy, A. D. Patil, M. Subbarao, P. Nagender, D. R. Reddy, A. Singh, P. S. mainkar, S. Chandrasekhar and T. Rajamannar	A Process For Preparation of 3,6-Dichlorocyno Pyrazine,3,6-Dioxopiperazine Derivatives and Production of Favipiravir Thereof	Application Number: 202011024682, Filing Date: 12th June, 2020	2020	India
4	Ch. R. Reddy, A. D. Patil, M. Subbarao, B. Srinivas, G. Sukumar, S. Chandrasekhar and T. Rajamannar	Process for the Preparation of $\gamma$ -Amino Butyric Acids and Analogs Thereof	Application Number: 202011006475, Filing Date: 14th February, 2020	2020	India
5	Srivari Chandrasekhar; Prathama Satyendra Mainkar; KarreNagaraju; Togapur Pavan Kumar; Ummanni Ramesh; KanchanapallyTejaswini; Jerald Mahesh Kumar; Katragadda Suresh Babu; BoggavarapuSubrahmanya Sastry; Debabrata Mukhopadhyay	Nimbolide derivatives as anticancer agents and preparation thereof	India, Application No: 201811000561 Filing Date: 05.01.2018	2018	India
6	Srivari Chandrasekhar, Togapur Pavan Kumar, KondepudiSugnana Sunder, Vanka Uma MaheshwaraSarma, Prathama Satyendra Mainkar	An improved process for the production of racemic lipoic acid	India, Application No: 201811016688 Filing Date: 03.05.2018	2018	India

7	Srivari Chandrasekhar, Prathama Satyendra Mainkar, Paladugu Srinu, Togapur Pavan Kumar,	Process for the preparation of Zafirlukast and analogs thereof	PCT, Application No: PCT/IN2018/050513, Filing Date: 06.08.2018	2018	PCT
8	Srivari Chandrasekhar, Prathama Satyendra Mainkar, Chada Raji Reddy, SrigiridharKotamraju, Togapur Pavan Kumar, Muppidi Mohan Venkata Subbarao, Somesh Sharma, Ashok Kumar Jha, Premkumar Arumugam	Indole (sulfomyl) N-hydroxy benzamide derivatives as selective HDAC inhibitors	PCT, Application No: PCT/IN2018/050514, Filing Date: 06.08.2018	2018	PCT
9	Prathama S Mainkar, Mohammad Abdul Sattar, PitchakuntlaMalleham, Togapur Pavan Kumar, DivyaDuscharla, Ummanni Ramesh, Srivari Chandrasekhar	Spirooxindole compounds as gsk3 $\beta$ inhibitors and process for preparation thereof	PCT, Application No: PCT/IN2018/050134, Filing Date: 09.03.2018	2018	PCT
10	Prathama S Mainkar, Togapur Pavan Kumar, KondepudiSugnana Sunder and Srivari Chandrasekhar	A process for the preparation of nicotine	EP, Application No: 17707968.8, Filing Date: 02.08.2018	2018	EP
11	Prathama S Mainkar, Togapur Pavan Kumar, KondepudiSugnana Sunder and Srivari Chandrasekhar	A process for the preparation of nicotine	US Application No: US 16/068464, Filing Data: 06.07.2018	2018	United States
12	Srivari Chandrasekhar, Prathama Satyendra Mainkar, Chada Raji Reddy, SrigiridharKotamraju, Togapur Pavan Kumar, Muppidi Mohan Venkata Subbarao, Somesh Sharma, Ashok Kumar Jha, Premkumar Arumugam	Indole (sulfomyl) N-hydroxy benzamidederivatives as selective HDAC inhibitors	India, Application No: 201711042426 Filing Date: 28.11.2017	2017	India
13	Srivari Chandrasekhar, Prathama Satyendra Mainkar, Paladugu Srinu, Togapur Pavan Kumar,	Process for the preparation of Zafirlukast and analogs thereof	India, Application No: 201711046976 Filing Date: 28.12.2017	2017	India

14	Prathama S Mainkar, Togapur Pavan Kumar, Kondepudi Sugnana Sunder and Srivari Chandrasekhar	A process for the preparation of nicotine	PCT, Application No: WO2017/119003. Filing Date: 13.07.2017	2017	PCT
15	Prathama S Mainkar, Togapur Pavan Kumar, Kondepudi Sugnana Sunder and Srivari Chandrasekhar	A process for the preparation of nicotine	India, Application No: 201611000697 Filing Date: 08.01.2016	2016	India
16	Srivari Chandrasekhar, Togapur Pavan Kumar, Vidyavathi Patro, Prathama S Mainkar and Chada Rajireddy	Oxy imido triazoles and oxime ethers and process for the preparation thereof	India, Application No: 201611002388 Filing Date: 22.01.2016	2016	India
17	Prathama S Mainkar, Mohammad Abdul Sattar, Pitchakuntla Mallesham, Togapur Pavan Kumar, Divya Duscharla, Ummanni Ramesh, Srivari Chandrasekhar	Spirooxindole compounds as gsk3 $\beta$ inhibitors and process for preparation thereof	India, Application No: 201611008487 Filing Date: 11.03.2016	2016	India
18	Srivari Chandrasekhar, Togapur Pavan Kumar, Prathama S Mainkar, Samit Chattopadhyay, Shruti Joshi, Chippala Venkataraju	Isothiocyanate compounds as smad1 stabilizers	India, Application No: 201611028762 Filing Date: 24.08.2016	2016	India
19	Gurjar, Mukund K.; (Pune, IN) ; Wakharkar, Radhika D.; (Pune, IN) ; Desiraju, Gautam R.; (Hyderabad, IN) ; Nangia, Ashwini; (Hyderabad, IN) ; Yadav, J. S.; (Hyderabad, IN) ; Burman, Anand C.; (Ghaziabad, IN) ; Mukherjee, Rama; (Ghaziabad, IN) ; Borate, Hanumant Bapurao; (Pune, IN) ; Chandrasekhar, Srivari; (Hyderabad, IN) ; Jaggi, Manu; (Ghaziabad, IN) ; Singh, Anuo T.; (Ghaziabad, IN) ; Kapoor, Kamal K.; (Ghaziabad, IN) ; Sarkhel, Sanjay; (Hyderabad, IN) ; Sairam, Kalapatapu V.V.M.; (Hyderabad, IN)	Cyclopentenone derivatives for cancer therapy	United States application no. 20030229146, dated December, 11 2003, patent no. US7179937	2003	United States

**Awards/Honors:**

<b>Sl#</b>	<b>Title</b>	<b>Organization</b>	<b>Year</b>
1	A. V. Rama Rao Chair	M/s Avra Laboratories Pvt. Ltd.	2020
2	J C Bose National Fellowship	SERB	2016
3	CSIR Technology Award	CSIR	2020
4	Golden Jubilee medal of Indian National Science Academy	INSA	2020
5	AstraZeneca Research Endowment Award	AstraZeneca	2019
6	CRSI Silver Medal	CRSI	2016
7	VASVIK Award	Vividhlaxi Audyogik Samshodhan Vikas Kendra, (VASVIK)	2018
8	C. V. Raman Birth Centenary Award	The Indian Science Congress Association	2018
9	Eminent Scientist Award for Contributions in the field of Chemistry	Telangana State Government	2017
10	Goyal Prize for Work in Chemical Sciences	Kurukshetra University	2017
11	SASTRA-CNR Rao Award for Contributions in the field of Chemistry	SASTRA University	2017
12	Kinnera-Sri Durmukhinama Ugadi Puraskaram - in the field of Science and Technology	Kinnera Cultural and Educational Trust	2016
13	Fellow, Indian National Science Academy	Indian National Science Academy	2015
14	Infosys Prize 2014 in Physical Sciences	Infosys	2004

15	CSIR Technology Award	Council of Scientific and Industrial Research	2014
16	CNR Rao National Prize for Chemical Research	CRSI	2012
17	OPPI Scientist Award	OPPI, Mumbai	2011
18	Fellow, National Academy of Sciences	National Academy of Sciences, Allahabad	2010
19	Fellow, Indian Academy of Sciences	Indian Academy of Sciences, Bangalore	2010
20	Ranbaxy Research Award	Ranbaxy	2010
21	FAPCCI Award	FAPCCI, A.P	2009
22	NASI-Reliance Industries Platinum Jubilee Award	National Academy of Sciences, Allahabad	2008
23	Andhra Pradesh Scientist Award	APCOST	2008
24	US Innocentive Champion	USA	2006
25	Fellow of Andhra Pradesh Akademi of Sciences	A. P. Akademi of Sciences	2006
26	Diamond Jubilee Roll of Honor	IICT	2005
27	Rajib Goyal Young Scientist Award	Kurukshetra University	2005
28	AVRA Foundation Young scientist	AVRA foundation	2004
29	B. M. Birla Science Prize	B. M. Birla Science centre.	2001
30	Alexander Von Humboldt Fellowship	Alexander Von Humboldt Foundation, Germany	2000
31	CSIR Young Scientist	CSIR	1997

32	INSA Medal for Young Scientist	I N S A	1996
33	A P Akademi Young Scientist	A P Akademi	1995

#### Lectures:

##### **International**

- Stereo-control in Claisen Rearrangement: Applications in Products of Human Health Care at RMIT-in India-Beyond 2013 RMIT University, Melbourne, Australia, 04-12-2013
- "Approaches for the Total Synthesis of Marine Natural Products as Leads in Pharmaceuticals" Plenary Lecture at 4th International Conference on Drug Discovery and Therapy, Dubai , 12-15 February 2012
- "Synthesis of Heterocyclic Natural and non-Natural products in human well being" Invited lecture at ENCPS Chimie Paristech, 20 September 2012 at Paristech, 20-09-2012
- "Synthesis of Heterocyclic Natural and non-Natural products in human well being" Invited lecture at Max Plank Institute, Germany, 13 September 2012 at Germany, 13-09-2012
- "Marine Natural Products as leads in human health care" Invited lecture at Changwon , 4th October 2011
- "Activities of Organic Chemistry Division" Invited lecture at Novartis, Basel, Switzerland, 12th May, 2010
- "Total synthesis of peptide marine natural products" Invited lecture at University of Dresden, Germany, 3rd May, 2010
- "Amino acids as targets, building blocks and catalysts in organic synthesis" Invited lecture at IECB, France, 25th March 2010
- "Total Synthesis of marine natural products as pharma leads" Plenary Lecture at French Chemical Society meeting, 21-23 September, 2010
- "Total synthesis of bioactive natural products containing tetrahydropyran skeleton" Invited lecture at University of Le Mans, France, 1st October, 2007
- "Total synthesis of peptide marine natural products" Invited lecture at Max-Planck Institute, Dortmund, Germany, 28th April, 2010
- "POLY (ETHYLENE GLYCOL): A reusable and environmentally benign solvent media" Invited lecture at University of Rennes, France, 1, July, 2007
- "POLY (ETHYLENE GLYCOL): A reusable and environmentally benign solvent media" Invited lecture at 11th Annual Green Chemistry & Engineering Conference, Washington, DC. USA, june 26-29,2007



- "Total synthesis of bioactive natural products containing tetrahydropyran skeleton" Invited lecture at IFCOS, Dinard, France, September, 2007
- "Total synthesis of bioactive natural products involving olefin metathesis" Invited lecture at University of Rennes. France, 1, September, 2007
- "Amino acids as targets and as building blocks for the synthesis of bioactives" Invited lecture at Max Planck institute of Molecular physiology, Dortmund Germany, July, 2006
- "Poly(Ethylene Glycol) as an alternative solvent medium for organic reactions" Invited lecture at 4th Changwon International Symposium on Advanced Science and Technology-CHEMICAL SENSOR (2005-CISAS-Chemical Sensor, at the International Conference Center i

### **National**

- "The Role of Synthetic Organic Chemist in Human Health Care" Invited lecture at Prof. A Srikrishna Memorial Lecture Series, 'Organic Synthesis', 20th Jan 2015
- "The Role of Synthetic Organic Chemist in Human Health Care" Invited lecture at Lecture Workshop, Telangana University-Dept. of Pharmaceutical Chemistry, 5th Feb 2015
- "Early Drug Discovery to Market Place: The Ups and Downs!!" Plenary Lecture at NIPiCON-2014 (2nd Nirma Institute of Pharmacy International Conference) "Fostering Innovation in Drug Discovery and Development" Nirma University, 23rd January 2014
- "Pruning of Macromolecules for Asymmetric Synthesis" Invited lecture at National Organic Symposium Trust (NOST), Agra, 6th April 2014
- "When you know chemistry there's a new level of looking at the world around you" Invited lecture at INSPIRE Internship Science Camp-2014', Kakatiya Govt. College, Warangal, 2nd Nov 2014
- "Bench to bed: The challenges to a chemist" Invited lecture at APAS-Vepachedu Endowment Lecture' Palmuru University , 27th January 2014
- "Nitrogen: A Wonder Atom in Drug Discovery" Invited lecture at Mini Symposium, 'New Directions in Chemical Synthesis Ia' IIT Bombay, 8th Dec 2014
- "Early Drug Discovery to Market Place: The Ups and Downs!!" Invited lecture at Fostering Innovation in Drug Discovery and Development' NIPiCON, Nirma University, 23rd January 2014
- "Synthesis of Heterocyclic Natural and Non-Natural products in human well being" Plenary Lecture at Emerging Trends in Development of Drug Discovery and Devices, Department of Chemistry, University of Delhi, 22nd Jan 2013
- "Synthesis of Heterocyclic Natural and Non-natural Products" Invited lecture at Chemical Frontiers-2013' Goa, 28th Aug 2013
- "Synthesis of Bio-actives with Relevance to Human Healthcare" at 15th CRSI Symposium in Chemistry (NSC-15) at Banaras Hindu University, Feb 1st-3rd 2013

- "Synthesis of Bio-active Heterocyclic Natural and non-Natural products" at IFCOS, Goa, 1st-3rd April 2013
- "Synthesis of Bio-actives with relevance to human health care" at 23rd Mid-Year Meeting, Indian Academy of Sciences, 13-14 July 2012
- "The Role of Novel Peptido-mimetics in the Discovery of New Drugs" Invited lecture at Ranbaxy Science Foundation, New Delhi, 9 February, 2011
- "Synthesis of Heterocyclic Natural and non-Natural Products" Plenary Lecture at 3rd International Conference on Heterocyclic Chemistry, Jaipur, 10-13 December 2011