

D.SRINIVASA REDDY, Ph.D.



EDUCATION

Ph.D., Synthetic Organic Chemistry, University of Hyderabad, India, 2000

Adviser: *Professor Goverdhan Mehta*

M.Sc., Organic Chemistry, Osmania University, India, 1993

B.Sc., Chemistry, Botany and Zoology, Osmania University, India, 1991

EXPERIENCE

07/2020-present *Director*, CSIR- Indian Institute of Integrative Medicine, Jammu, Canal Road, India.

12/2018-07/2020 *Senior Principal Scientist*, Division of Organic Chemistry, National Chemical Laboratory, Pune, India.

11/2014-12/2018 *Principal Scientist*, Division of Organic Chemistry, National Chemical Laboratory, Pune, India.

11/2010-11/2014 *Senior Scientist*, Division of Organic Chemistry, National Chemical Laboratory, Pune, India.

11/2007-10/2010 *Section Head/Group Leader*, Discovery Chemistry, Advinus Therapeutics Pvt. Ltd, Pune, India.

12/2003-10/2007 *Research Investigator/Principal Scientist*, Discovery Chemistry, Dr. Reddy's Laboratories Ltd., Hyderabad, India.

9/2001-11/2003 *Postdoctoral Fellow*, Department of Medicinal Chemistry, University of Kansas, KS, USA; Mentor: *Prof. Jeffrey Aubé*

6/2000-8/2001 *Postdoctoral Fellow*, Department of Chemistry, University of Chicago, Chicago, IL, USA; Mentor: *Prof. Sergey A. Kozmin*

8/1994-5/2000 School of Chemistry, University of Hyderabad, Hyderabad, India
Doctoral Student; Adviser: *Prof. Goverdhan Mehta*

- **20 Years of research experience (post-PhD) in total synthesis of natural products/medicinal chemistry/drug discovery**
- **Experienced in leading drug discovery programs (7 years of pharma industry experience).**
- **One of the molecules (Licogliflozin) discovered by his team in industry is currently in human clinical trials (Phase-II), where he was a project leader.**
- **Has experience in coordinating multi-disciplinary teams as a project leader, in particular, during the tenure at pharma industry.**

- Acquired skills in designing novel small molecules and lead optimization.
- Experienced in planning and execution of projects (Govt. and Industry).
- Has developed skills in executing total synthesis of biologically active compounds.
- Discovered an anti-diabetic molecule which is ready for out-licensing.
- Patent out-licensed to Ahammune Biosciences for Vitiligo drug development.
- Identified Silinezolid with high brain:plasma ratio with a potential to treat brain infections.
- Identified novel Insect Repellents – Signed MOU with Ross Lifesciences.
- Developed a method to access enantiopure pheromones towards crop protection.
- Identified novel Cladologs towards potent anti-malarials.
- Identification of an antibiotic lead compound for treating food infections.

RESEARCH INTERESTS:

1. Total Synthesis of Biologically Active Natural/Unnatural Products.
2. Medicinal Chemistry and Drug Discovery.

AWARDS AND RECOGNITIONS

- CDRI Award–Chemical Sciences for the contribution in Drug discovery (2013)
- Scientist of the year by the NCL Research Foundation (2013)
- The Shanti Swarup Bhatnagar Award (SSB) in Chemical Sciences (2015)
- NASI-Reliance Industries Platinum Jubilee Award for application oriented innovations in physical sciences (2015)
- Elected as a Fellow of the Maharashtra Academy of Sciences (2015)
- CRSI Bronze Medal in recognition of his contribution in chemical science (2016)
- Elected as a Fellow of the Telangana Academy of Sciences (2016)
- Nominated member of Scientific Body of Indian Pharmacopoeia Commission, Govt. of India (2017)
- Editor of Bioorganic & Medicinal Chemistry Letters, an Elsevier publication (from April 2017)

- Elected as a Fellow of the National Academy of Sciences, India – NASI (2017)
- OPPI (Organization of Pharmaceutical Producers of India) Scientist Award (2017)
- Sun Pharma Research Award (Ranbaxy Research Award) in the field of pharmaceutical sciences (2018)
- DST-SERB PAC member (co-opt) for the Organic Chemistry (from 2016)
- KKG Menon Memorial Lecture Award of Institute of Chemical Technology, Mumbai (2018)
- Council Member of the (NOST) National Organic Symposium Trust (2019)
- Nominated member of the General and Governing Body of National Dope Testing Laboratory (NDTL), Ministry of Youth Affairs and Sports, Govt of India (2020)
- Council Member of the Chemical Research Society of India (CRSI) (2020)

PUBLICATIONS(>100publications)

1. Teixobactin: A Paving Stone toward a New Class of Antibiotics?, Vidya B. Gunjal, RiteshThakare, Sidharth Chopra*, D. Srinivasa Reddy**J. Med. Chem.*, (ASAP).
2. Overturning the Peribysin Family Natural Products Isolated from Periconiabyssoides OUPS-N133: Synthesis and Stereochemical Revision of Peribysins A, B, C, F, and G, Paresh R. Athawale, Hanuman P. Kalmode, Zenia Motiwala, Kiran A. Kulkarni, D. Srinivasa Reddy**Org. Lett.*, 2020, 22, 3104.
3. DFT/NMR Approach for the Configuration Assignment of Groups of Stereoisomers by the Combination and Comparison of Experimental and Predicted Sets of Data, Gianluigi Lauro, Pronay Das, Raffaele Riccio, D. Srinivasa Reddy, Giuseppe Bifulco**J. Org. Chem.*, 2020, 85, 3297.
4. Access to a Stereoisomer Library of Solomonamide Macrocycles, Dr. Gorakhnath R. Jachak, Paresh R. Athawale, Rahul Choudhury, Dr. K. Kashinath, D. Srinivasa Reddy**Chem. Asian J.*, 2019, 14, 4572.
5. A route to access imidazol[1,5-a]indole-1,3-diones and pyrrolo[1,2-c]imidazole-1,3-diones Ramana Sreenivasa Rao, Femil Joseph Shajana, D. Srinivasa Reddy* *Org. Biomol. Chem.*, 2019, 17, 8384
6. Synthesis of Chiral Tetrahydrofuran Building Blocks from Pantolactones: Application in the Synthesis of Empagliflozin and Amprenavir Analogs, Paresh R. Athawale, Neeta Kumari, Monica R. Dandawate, K. Kashinath, D. Srinivasa Reddy**Eur. J. Org. Chem.* 2019, 4805
7. Total synthesis of Met10-teixobactin, Vidya B. Gunjal, D. Srinivasa Reddy**Tetrahedron Letters*, 2019, 60, 1909

8. Insect-Repellent and Mosquitocidal Effects of Noreremophilane- and Nardoaristolone-Based Compounds, Kishor L. Handore, Hanuman P. Kalmode, Shahebaz Sayyad, B. Seetharamsingh, Ganesh Gathalkar, Sarang Padole, Pushpa V. Pawar, Mary Joseph, Avalokiteswar Sen*, D. Srinivasa Reddy* *ACS Omega.*, 2019, 4, 2188
9. Neural Anti- Inflammatory Natural Product Periconianone A: Total Synthesis and Biological Evaluation, Hanuman P. Kalmode, Suhag S. Patil, Kishor L. Handore, Paresh R. Athawale, Rambabu Dandela, Abhishek Kumar Verma, Anirban Basu, D. Srinivasa Reddy* *Eur. J. Org. Chem.* 2019, 2376.
10. Scalable synthesis of cladospurin, Pronay Das, Yash Mankad, D. Srinivasa Reddy* *Tetrahedron Letters*, 2019, 60, 831.
11. Scalable Synthesis of Both Enantiomers of Vigabatrin, an Antiepileptic Drug, Gorakhnath R. Jachak, D. Srinivasa Reddy* *Eur. J. Org. Chem.* 2019, 1257.
12. Evaluating antimalarial efficacy by tracking glycolysis in Plasmodium falciparum using NMR spectroscopy, Rupali Shivapurkar, Tejashri Hingamire, Akshay S. Kulkarni, P. R. Rajamohanan, D. Srinivasa Reddy & Dhanasekaran Shanmugam* *Scientific Reports*. 2018, 8, 18076.
13. Total Synthesis of Potent Anti-inflammatory Natural Product Solomonamide A along with Structural Revision and Biological Activity Evaluation, Gorakhnath R. Jachak, Paresh R. Athawale, Heena Agarwal, Manoj Kumar Barthwal, Gianluigi Lauro, Giuseppe Bifulco and D. Srinivasa Reddy* *Org. Biomol. Chem.*, 2018, 16, 9138.
14. Total Synthesis and Biological Evaluation of Cell Adhesion Inhibitors Peribysin A and B: Structural Revision of Peribysin B, Hanuman P. Kalmode, Kishor L. Handore, Raveena Rajput, Samir R. Shaikh, Rajesh G. Gonnade, Kiran A. Kulkarni,* D. Srinivasa Reddy,* *Org. Lett.*, 2018, 20, 7003.
15. Total synthesis of an anticancer natural product (\pm)peharmaline A and its analogues, Akshay S. Kulkarni, Rahul D. Shingare, Rambabu Dandela, D. Srinivasa Reddy* *Eur. J. Org. Chem.* 2018, 6453.
16. Nitrosporeusine analogue ameliorates Chandipura virus induced inflammatory response in CNS via NF κ B inactivation in microglia, Abhishek Kumar Verma, Trushnal S. Waghmare, Gorakhnath R. Jachak, Satish Chandra Philkhana, D. Srinivasa Reddy, Anirban Basu* *PLoS Negl Trop Dis*. 2018, DOI: 10.1371/journal.pntd.0006648.
17. Synthetic studies towards Pseudoxyllallemycin B, an antibiotic active against gram-negative bacteria: Total synthesis of 3-epi-Pseudoxyllallemycin B, Vidya B. Gunjal, D. Srinivasa Reddy* *Tetrahedron Letters*, 2018, 59, 2900.
18. Specific Stereoisomeric Conformations Determine the Drug Potency of Cladospurin Scaffold against Malarial Parasite, Pronay Das, Palak Babbar, Nipun Malhotra, Manmohan Sharma, Gorakhnath R. Jachak, Rajesh G. Gonnade, Dhanasekaran Shanmugam Karl Harlos, Manickam Y. Ogavel, Amit Sharma,* and D. Srinivasa Reddy* *J. Med. Chem.*, 2018, 61, 5664.
19. A multistep continuous flow synthesis of cystic fibrosis medicine Ivacaftor, N. Vasudevan, Mrityunjay K. Sharma, D. Srinivasa Reddy* and Amol A. Kulkarni* *React. Chem. Eng.*, 2018, 3, 520.
20. Quest for Novel Chemical Entities through Incorporation of Silicon in Drug Scaffolds, Remya Ramesh, and D. Srinivasa Reddy* *J. Med. Chem.*, 2018, 61, 3779.

21. Targeted Phenotypic Screening in Plasmodium falciparum and Toxoplasma gondii Reveals Novel Modes of Action of Medicines for Malaria Venture Malaria Box Molecules, Gowtham Subramanian, Meenakshi A. Belekar, AnuragShukla, JieXin Tong, AmeyaSinha, Trang T. T. Chu, Akshay S. Kulkarni, Peter R. Preiser, D. Srinivasa Reddy, Kevin W. Tan, DhanasekaranShanmugam, Rajesh Chandramohanadas, *mSphere.*, 2018, *1*, e00534-17.
22. Efforts To Access the Potent Antitrypanosomal Marine Natural Product Janadolide: Synthesis of Des-tert-butyl Janadolide and Its Biological Evaluation, Paresh R. Athawale, Gorakhnath R. Jachak, AnuragShukla, DhanasekaranShanmugam And D. Srinivasa Reddy* *ACS Omega.*, 2018, *3*, 2383.
23. Repurposing Ivacaftor for treatment of Staphylococcus aureus infections, RiteshThakare, Alok Kumar Singh, Swetarka Das, N.Vasudevan, Gorakhnath R. Jachak, D.SrinivasaReddy, ArunavaDasgupta, Sidharth Chopra, *Int J Antimicrob Agents*, 2017, *3*, 389.
24. Access to Fused Tricyclic γ -Butyrolactones, A Natural Product-like Scaffold, Hanuman P. Kalmode, Kishor L. Handore and D. Srinivasa Reddy* *J. Org. Chem.*, 2017, *82*, 7614.
25. Route to Benzimidazol-2-ones via Decarbonylative Ring Contraction of Quinoxalinediones: Application to the Synthesis of Flibanserin, A Drug for Treating Hypoactive Sexual Desire Disorder in Women and Marine Natural Product HunanAMYCIN Analogue, Rahul D. Shingare, Akshay S. Kulkarni, Revannath L. Sutar, and D. Srinivasa Reddy* *ACS Omega*, 2017, *2*, 5137.
26. Identification of new anti-inflammatory agents based on nitrosporeusine natural products of marine origin, Satish Chandra Philkhanaa, Abhishek Kumar Verma, Gorakhnath R. Jachak, BibhabasuHazra, AnirbanBasu, D. Srinivasa Reddy* *Eur. J. Med. Chem.*, 2017, *135*, 89.
27. Identification and Synthesis of Mycalol Analogues with Improved Potency against Anaplastic Thyroid Carcinoma Cell Lines, Adele Cutignano, B. Seetharamsingh Daniela D'Angelo, GenoveffaNuzzo, Pankaj V. Khairnar, Alfredo Fusco, D. Srinivasa Reddy*, and Angelo Fontana* *J. Nat. Prod.* 2017, *80*, 1125.
28. Determination of the Absolute Configuration of Gliomasolide D through Total Syntheses of the C-17 Epimers, B. Seetharamsingh, Routholla Ganesh and D. Srinivasa Reddy*, *J. Nat. Prod.* 2017, *80*, 56
29. Total synthesis of natural fregenedadiol and its diacetate, rearranged labdanes with aromatized B ring, Satish Chandra Philkhana and D. Srinivasa Reddy*, *Tetrahedron Letters*, 2017, *58*, 1262.
30. Synthesis and biological evaluation of palmyrolide A macrocycles as sodium channel blockers towards neuroprotection, Satish Chandra Philkhana, SuneetMehrotra, Thomas F. Murray and D. Srinivasa Reddy*, *Org. Biomol. Chem.*, 2016, *14*, 8457.
31. Solution-Phase Synthesis of the Macrocyclic Core of Teixobactin, SantuDhara, Vidya B. Gunjal, Kishor L. Handore and D. Srinivasa Reddy*, *Eur. J. Org. Chem.*, 2016, *25*, 4289.

32. GSH-Induced Controlled Release of Levofloxacin from a Purpose-Built Prodrug: Luminescence Response for Probing the Drug Release in Escherichia coli and Staphylococcus aureus, Suman Pal, VaddeRamu, NandarajTaye, Devraj G. Mogare, Amar M. Yeware, DhimanSarkar, D. Srinivasa Reddy*, SamitChattopadhyay*, and Amitava Das* *Bioconjugate Chem.*, 2016, 27, 2062.
33. Total Synthesis of the Marine Natural Product Solomonamide B Necessitates Stereochemical Revision, K. Kashinath, G. R. Jachak, P. R. Athawale, U. Marelli, R. G. Gonnade and D. Srinivasa Reddy* *Org. Lett.*, 2016, 18, 3178.
34. Repurposing of a drug scaffold: Identification of novel sila analogues of rimonabant as potent antitubercular agents, Remya Ramesh, Rahul D. Shingare, Vinod Kumar, AmiteshAnand, Swetha B, Sridhar Veeraraghavan, SrikantViswanadha, Ramesh Ummanni, Rajesh Gokhale, D. Srinivasa Reddy* *Eur. J. Med. Chem.*, 2016, 122, 723.
35. A Total Synthesis of (–)-Nardoaristolone B, Rohini S. Ople, Kishor L. Handore, Nidhi S. KamatandD. Srinivasa Reddy* *Eur. J. Org. Chem.*, 2016, 22, 3804
36. Multi-gram scale synthesis of hunanAMYCIN A, an antibiotic natural product from the marine source, Rahul D. Shingare, SaadaFarhana and D. Srinivasa Reddy* *Tetrahedron Lett.*, 2016, 57, 3662.
37. First total synthesis of Gliomasolide C and formal total synthesis of Sch-725674, B. Seetharamsingh, PankajV. Khairnar, D. Srinivasa Reddy* *J. Org. Chem.*, 2016, 81, 290.
38. Identification of noremerophilane-based inhibitors of angiogenesis using zebrafish assays, KalaiMangaiMuthukumarasamy, Kishor L. Handore, Dipti N. Kakade, Madhuri V. Shinde, ShashiRanjan, Naveen Kumar, SeemaSehrawat, ChetanaSachidanandan* and D. Srinivasa Reddy* *Org. Biomol. Chem.*, 2016, 14, 1569.
39. Enantiospecific Formal Synthesis of Inthomycin C, Paresh R. Athawale, K. Kashinath and D. Srinivasa Reddy* *Chemistry Select*, 2016, 3, 495.
40. Synthesis of revised structure of Klaivanolide (acetylMelodorinol), G.N. Raut, S.B. Wagh, D. Srinivasa Reddy* *ARKIVOC*, 2016, 116.
41. Breaking and making of rings: A method for the preparation of 4-Quinolone-3-carboxylic acid amides and the expensive drug ivacaftor, N. Vasudevan, G.R. Jachak, and D. Srinivasa Reddy* *Eur. J. Org. Chem.*, 2015, 34, 7433.
42. Total syntheses and biological evaluation of (±)-Botryosphaeridione, (±)-Pleodendione, 4-epi-Periconianone B, and analogues, Kishor L. Handore, Prakash D. Jadhav, BibhabasuHazra, AnirbanBasu, and D. Srinivasa Reddy*, *ACS Med. Chem. Lett.*, 2015, 6, 1117
43. Silicon incorporated morpholineantifungals: Design, synthesis and biological evaluation, Gorakhnath R Jachak, Remya Ramesh, Duhita G Sant, Shweta U Jorwekar, Manjusha R Jadhav, Santosh G Tupe, Mukund V Deshpande, and D. Srinivasa Reddy* *ACS Med. Chem. Lett.*, 2015, 6, 1111.
44. Design, synthesis, and identification of silicon incorporated oxazolidinone antibiotics with improved brain exposure, B.Seetharamsingh, Remya Ramesh, Santoshkumar S.

- Dange, Pankaj V. Khairnar, SmitaSinghal, DilipUpadhyay, Sridhar Veeraraghavan, SrikantViswanadha, SwaroopVakkalanka, and D. Srinivasa Reddy* *ACS Med. Chem. Lett.*, 2015, 6, 1105
45. Enantiospecific synthesis of both enantiomers of the longtailedmealybugpheromone and their evaluation in a New Zealand vineyard, Remya Ramesh, Vaughn Bell, Andrew M. Twidle, Rajesh Gonnade and D. Srinivasa Reddy* *J. Org. Chem.*, 2015, 80, 7785.
 46. Synthesis of novel cyclopentanoid-lactams using the Aubé reaction, Madhuri V. Shinde, Rohini S. Ople, EktaSangtani, Rajesh Gonnade and D. Srinivasa Reddy* *Beilstein J. Org. Chem.* 2015, 11, 1060.
 47. Breaking and making of olefins simultaneously using ozonolysis: Application to the synthesis of useful building blocks and macrocycliccore of solomonamides, K. Kashinath, SantuDhara, and D. Srinivasa Reddy,* *Org. Lett.*, 2015, 17, 2090.
 48. Total synthesis and structural revision of mycalol, an anticancer natural product from the marine source, B. Seetharamsingh, P. R. Rajamohanan and D. Srinivasa Reddy,* *Org. Lett.*, 2015, 17, 1652.
 49. First synthesis of nitrosporeusines, alkaloids with multiple biological activities, Satish Chandra Philkhana, Gorakhnath R. Jachak, Vidya B. Gunjal, Nagsen M. Dhage, Ajay H. Bansode and D. Srinivasa Reddy,**Tetrahedron Lett.*, 2015, 56, 1252.
 50. One-pot quadruple/triple reaction sequence: A useful tool for the synthesis of natural products, K. Kashinath and D. Srinivasa Reddy,**Org. Biomol. Chem.*, 2015, 13, 970.
 51. Total synthesis of deoxy-solomonamide B by mimicking biogenesis, N. Vasudevan, K. Kashinath and D. Srinivasa Reddy,**Org. Lett.*, 2014, 16, 6148.
 52. Total synthesis of (\pm)-nardoaristolone B and its analogues, Kishor L. Handore, and D. Srinivasa Reddy,**Org. Lett.*, 2014, 16, 4252.
 53. Access to harmonine, a chemical weapon of ladybird beetles, Satish Chandra Philkhana, D. Prabhu, B. L. V. Prasad* and D. Srinivasa Reddy,* *RSC Adv.*, 2014, 4, 30923.
 54. A general approach to *N*-heterocyclic carbenes (NHCs) with fused tetracyclic core: Ligands for suzuki-miyauracross-coupling reaction, Revannath L. Sutar, Vinod Kumar, Rahul D. Shingare, Sridhar Thorat, Rajesh GonnadeandD. Srinivasa Reddy,**Eur. J. Org. Chem.*, 2014, 4482.
 55. Efforts toward the synthesis of microsporin B: Ready access to both the enantiomers of the key amino acid fragment, PandrangiSivaSwaroop, SibanarayanTripathy, GorakhnathJachak, and D. Srinivasa Reddy,**Tetrahedron Lett.*, 2014, 55, 4777.
 56. Total synthesis of an anticancer norsesquiterpene alkaloid isolated from the fungus *Flammulinavelutipes*, K. Kashinath, P.Jadhav and D. Srinivasa Reddy,* *Org. Biomol. Chem.*, 2014, 12, 4098.
 57. Zinc mediated allylations of chlorosilanes promoted by ultrasound: Synthesis of novel constrained sila amino acids, Remya Ramesh and D. Srinivasa Reddy,**Org. Biomol. Chem.*, 2014, 12, 4093.
 58. First total synthesis of hunanamycin A, Rahul D. Shingare, R. Velayudham, Jalindar R.

- Gawade, and D. Srinivasa Reddy,**Org. Lett.*, 2013, 15, 4556.
59. Ready access to functionally embellished *cis*-hydrindanes and *cis*-decalins: Protecting group-free total syntheses of (\pm)-nootkatone and (\pm)-noreremophilane, Kishor L. Handore, B. Seetharamsingh, and D. Srinivasa Reddy,**J. Org. Chem.*, 2013, 78, 8149.
 60. Enantiodivergent routes to (+) and (–)-novioses from (–)-pantolactone, B. M. Rajesh, Madhuri. V. Shinde, M. Kannan, G. Srinivas, JavedIqbal, and D. Srinivasa Reddy,**RSC Adv.*, 2013, 3, 20291.
 61. Synthesis of a sex pheromone of the long-tailedmealybug, *Pseudococcuslongispinus*, Suresh E. Kurhade, V. Siddaiah, DebnathBhuniya, D. Srinivasa Reddy,**Synthesis*, 2013, 45, 1689.
 62. Synthesis and determination of absolute configurations and biological activities of the enantiomers of the long-tailedmealybug pheromone, Remya Ramesh, Pandrangi Siva Swaroop, Rajesh. G. Gonnade, ChoppariThirupathi, Rebecca A. Waterworth, Jocelyn G. Millar, D. Srinivasa Reddy,**J. Org. Chem.*, 2013, 78, 6281.
 63. A diverted total synthesis of potent cell adhesion inhibitor Peribysin E analogues, Kishor L. Handore, and D. Srinivasa Reddy,**Org. Lett.*, 2013, 15, 1894.
 64. Synthesis of palmyrolide A and its *cis*-isomer and mechanistic insight into *trans-cis*isomerisation of the enamidemacrocyclic, Satish Chandra Philkhana, B. Seetharam Singh, Yuvraj B. Dangat, Kumar Vanka, D. Srinivasa Reddy,**Chem. Commun.*, 2013, 49, 3342.
 65. Studies toward the synthesis of potent anti-inflammatory peptides solomonamides A and B: Synthesis of a macrocyclicskeleton and key fragment 4-Amino-6-(20 amino-40-hydroxyphenyl)-3- hydroxy-2-methyl-6-oxohexanoic Acid (AHMOA), K. Kashinath, N. Vasudevan and D. Srinivasa Reddy,* *Org. Lett.*, 2012, 14, 6222.
 66. Antituberculosis agent diaporthone B: synthesis, absolute configuration assignment and anti-TB activity of its analogues, Pandrangi Siva Swaroop, Gajanan N. Raut, Rajesh G. Gonnade, PriyankaVerma, Rajesh S. Gokhale and D. Srinivasa Reddy,**Org. Biomol. Chem.*, 2012, 10, 5385.
 67. A green synthetic route to antimalarial and antibacterial agent CJ-15,801 and its isomer *cis*-CJ-15,801, K. Kashinath, Pandrangi Siva Swaroop and D. Srinivasa Reddy,* *RSC Adv.*, 2012, 2, 3596.
 68. A phosphine-mediated synthesis of 1,4-oxazepine- and 1,5-oxazocine-based sugar hybrids from deoxysugarazides, Suresh E. Kurhade, Videsh T. Salunkhe, V. Siddaiah, DebnathBhuniya, D. Srinivasa Reddy,**Synthesis*, 2011, 3523.
 69. Total synthesis of isofregenedadiol, Suresh E. Kurhade, Abbas I. Sanchawala, VelayuthamRavikumar, DebnathBhuniya, D. Srinivasa Reddy,* *Org. Lett.*, 2011, 13, 3690.
 70. Synthesis of novel dihydrooxazine and oxazoline based sugar hybrids from sugar azides, Suresh E. Kurhade, SudhirRavula, V. Siddaiah, DebnathBhuniya, D. Srinivasa Reddy,**Tetrahedron Lett.*, 2011, 52, 4313.

71. Structure activity relationship studies of novel pyrazole and imidazole carboxamides as cannabinoid-1 (CB1) antagonists, Pradip K. Sasmal,* Rashmi Talwar, J. Swetha, D. Balasubrahmanyam, B. Venkatesham, Khaji Abdul Rawoof, B. Neelima Devi, Vikram P. Jadhav, Sanjoy K. Khan, Priya Mohan, D. Srinivasa Reddy, Vijay Kumar Nyavanandi, Srinivas Nanduri, K. Shiva Kumar, M. Kannan, P. Srinivas, Prabhakar Nadipalli, Hira Chaudhury, V.J. Sebastian, *Bioorg. Med. Chem. Lett.*, 2011, 21, 4913.
72. An enantiospecific route to (1*R*,3*S*)-(+)-*cis*-chrysanthemic acid from D-(-)-pantolactone, Atul K. Hajare, Laxmikant S. Datrang, Y. L. N. Murthy, Debnath Bhuniya, D. Srinivasa Reddy,* *Synthesis*, 2011, 1067.
73. Synthesis of molluscicidal agent cyanolide A from D-(-)-Pantolactone, Atul K. Hajare, Velayutham Ravikumar, Shaik Khaleel, Debnath Bhuniya, D. Srinivasa Reddy,* *J. Org. Chem.*, 2011, 76, 963.
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75. Novel pyrazole-3-carboxamide derivatives as cannabinoid-1 (CB1) antagonists: Journey from non-polar to polar amide, Pradip K. Sasmal,* D. Srinivasa Reddy, Rashmi Talwar, B. Venkatesham, D. Balasubrahmanyam, M. Kannan, P. Srinivas, K. Shiva Kumar, B. Neelima Devi, Vikram P. Jadhav, Sanjoy K. Khan, Priya Mohan and Hira Chaudhury, *Bioorg. Med. Chem. Lett.*, 2011, 21, 562.
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79. A new route to eremophilanes: Synthesis of (±)-eremophilanolide, (±)-eremophiledinone, (±)-deoxyeremopetasidinone, P. Srinivas, D. Srinivasa Reddy, K. Shivakumar, P. K. Dubey, Javed Iqbal, Parthasarathi Das,* *Tetrahedron Lett.*, 2008, 49, 6084.
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