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D. SRINIVASA REDDY, Ph. D.

EDUCATION

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

Thesis title: "Natural products synthesis based on tricyclo[5.2.1.0^{2,6}]decane-3,10-dione system"

Adviser: *Professor Goverdhan Mehta*

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

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

EXPERIENCE & KEY ACHIEVEMENTS

- 11/2010-present** *Senior Scientist*, Division of Organic Chemistry, National Chemical Laboratory, Pune, India.
- 04/2010-10/2010** *Section Head*, Discovery Chemistry, Advinus Therapeutics Pvt. Ltd, Pune, India.
- 11/2007-03/2010** *Group Leader*, Discovery Chemistry, Advinus Therapeutics Pvt. Ltd, Pune, India.
- 01/2007-10/2007** *Research Investigator*, Discovery Chemistry, Dr. Reddy's Laboratories Ltd., Hyderabad, India.
- 12/2003-12/2006** *Principal Scientist*, Discovery Chemistry, Dr. Reddy's Laboratories Ltd., Hyderabad, India.

RESEARCH INTERESTS:

- 1. Total Synthesis of Biologically Active Natural/Unnatural Products**
- 2. Medicinal Chemistry**
- 3. Efforts Towards Crop Protection**

Selected ongoing programs in his laboratory at NCL are

- Potent anti-inflammatory agents – solomonamides: total synthesis and SAR activities (**DST project**).
- Antitubercular agents– diaportheones: Total synthesis and SAR activities.
- CJ-15801 based compounds – antimalarial and antibacterial agents.
- Peribysin and related natural products – total synthesis and SAR studies.

- v. Hunanamycin and related compounds – Towards identification of anti-bacterial compounds (*Salmonella enterica*– Food poisoning bacteria).
- vi. Identification of novel anti-cancer agents based on marine natural products (**MOES – CDRI project**).
- vii. Discovery of novel compounds for clinically-validated drug targets using silicon-switch approach (**DBT-BIRAC support**).
- viii. Identification of novel anti-TB agents through MMPL3 target (CSIR-OSDD support).
- ix. Identification of anti-diabetic compounds – in collaboration with Shantani biotech.

- Worked in drug discovery for seven years. During that period, gained experience in leading various drug discovery programs, particularly, in the area of metabolic disorders.
- Acquired skills in designing novel small molecules and optimization for improving potency and drug like properties.
- Two projects at Dr. Reddy's and TATA Advinus went through full cycle of hit identification, hits-to-leads and lead optimization phases and led to optimized drug candidates. **One of the compounds is going forward in human clinical trials (Phase II).**
- **Winner of CDRI Award 2013 – Chemical Sciences for the contribution in Drug discovery.**
- **Awarded Scientist of the year 2013 by the NCL Research Foundation**
- **CRSI Bronze Medal 2016 in recognition of his active contribution towards chemical science.**
- **NASI- Reliance industries platinum jubilee award for application oriented innovations.**

9/2001-11/2003 *Postdoctoral Fellow*, Department of Medicinal Chemistry, University of Kansas, Lawrence, KS, USA

Mentor: ***Prof. Jeffrey Aubé***

- Synthesis of cyclic peptides for β -turn mimetics for deamidation studies.
- Developed a new method for ring-contraction of cyclic enones with alkyl azides in presence of TMSOTf.
- Developed domino reactions involving azido-Schmidt and Diels-Alder reactions.
- Designed and developed chemistry on solid-phase for the synthesis of functionalized Freidinger-lactams and γ -turn mimetics.
- Experienced in asymmetric Schmidt reactions to generate enantiopure lactams.

6/2000-8/2001 *Postdoctoral Fellow*, Department of Chemistry, University of Chicago, Chicago, IL, USA

Mentor: ***Prof. Sergey A. Kozmin***

- Siloxyalkyne-alkene metathesis which can rapidly generate highly functionalized cyclic enones
- Synthesis of eremophilane family natural products based on siloxyalkyne-alkene metathesis.

7/1998-3/2001 Dept. of Organic Chemistry, Indian Institute of Science, Bangalore, India;

8/1994-6/1998 School of Chemistry, University of Hyderabad, Hyderabad, India
Doctoral Studies

Adviser: **Prof. Goverdhan Mehta**

- A formal synthesis of (±)-reserpine via Woodward's ring-E precursor
- Enzymatic resolution of dioxygenated dicyclopentadienes and synthesis of enantiopure hydrindanes, hydroisoquinolones, diquinanes.
- Synthesis of (+)-coronafacic acid
- Synthetic approach towards potent cytotoxic natural product ottelione A
- First synthesis of primnatriene-type sesquiterpenoids using regioselective Haller-Bauer Cleavage.
- Formal synthesis of (±)- perhydrogephyrotoxin

PUBLICATIONS (*indicates corresponding author, Total 64 publications)

1. Silicon Incorporated Morpholine Antifungals: 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.*, Just Accepted Manuscript DOI: 10.1021/acsmchemlett.5b00245
2. Enantiospecific Synthesis of Both Enantiomers of the Longtailed Mealybug Pheromone 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.
3. Synthesis of novel cyclopentanoid-lactams using the Aubé reaction, Madhuri V. Shinde, Rohini S. Ople, Ekta Sangtani, Rajesh Gonnade and D. Srinivasa Reddy* *Beilstein J. Org. Chem.* 2015, 11, 1060.
4. Breaking and Making of Olefins Simultaneously Using Ozonolysis: Application to the Synthesis of Useful Building Blocks and Macrocyclic Core of Solomonamides, K. Kashinath, Santu Dhara, D. Srinivasa Reddy,* *Org. Lett.*, 2015, 17, 2090.
5. Total Synthesis and Structural Revision of Mycalol, an Anticancer Natural Product from the Marine Source, B. Seetharamsingh, P. R. Rajamohan and D. Srinivasa Reddy,* *Org. Lett.*, 2015, 17, 1652.
6. 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.
7. 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.
 8. Total Synthesis of Deoxy-solomonamide B by Mimicking Biogenesis, N. Vasudevan, K. Kashinath and D. Srinivasa Reddy,* *Org. Lett.*, 2014, 16, 6148.
 9. Total Synthesis of (±)-Nardoaristolone B and Its Analogues, Kishor L. Handore, D. Srinivasa Reddy,* *Org. Lett.*, 2014, 16, 4252.
 10. 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.
 11. A General Approach to N-Heterocyclic Carbenes (NHCs) with Fused Tetracyclic Core: Ligands for Suzuki-Miyaura Cross-Coupling Reaction, Revannath L. Sutar, Vinod Kumar, Rahul D. Shingare, Sridhar Thorat, Rajesh Gonnade and D. Srinivasa Reddy,* *Eur. J. Org. Chem.*, 2014, ASAP article.
 12. Efforts toward the synthesis of microsporin B: Ready access to both the enantiomers of the key amino acid fragment, Pandrangi Swaroop; Sibnarayan Tripathy; Gorakhnath Jachak; D. Srinivasa Reddy,* *Tetrahedron Lett.*, 2014, 55, 4777.
 13. Total synthesis of an anticancer norsesquiterpene alkaloid isolated from the fungus *Flammulina velutipes*, K. Kashinath, P. Jadhav and D. Srinivasa Reddy,* *Org. Biomol. Chem.*, 2014, 12, 4098.
 14. Zinc mediated allylations of chlorosilanes promoted by ultrasound: Synthesis of novel constrained sila amino acids, R. Ramesh and D. Srinivasa Reddy,* *Org. Biomol. Chem.*, 2014, 12, 4093.
 15. First Total Synthesis of HunanAMYCIN A, Rahul D. Shingare, R. Velayudham, Jalindar R. Gawade, D. Srinivasa Reddy,* *Org. Lett.*, 2013, 15, 4556.
 16. Ready Access to Functionally Embellished cis-Hydrindanes and cis-Decalins: Protecting Group-Free Total Syntheses of (±)-Nootkatone and (±)-Noreremophilane, Kishor L. Handore, B. Seetharamsingh, D. Srinivasa Reddy,* *J. Org. Chem.*, 2013, 78, 8149.
 17. Enantiodivergent routes to (+) and (-)-novioses from (-)-pantolactone, B. M. Rajesh, Madhuri. V. Shinde, M. Kannan, G. Srinivas, Javed Iqbal, D. Srinivasa Reddy,* *RSC Adv.*, 2013, 3, 20191.
 18. Synthesis of a sex pheromone of the longtailed mealybug, *Pseudococcus longispinus*, Suresh E. Kurhade, V. Siddaiah, Debnath Bhuniya, D. Srinivasa Reddy,* *Synthesis*, 2013, 45, 1689.
 19. Synthesis and determination of absolute configurations and biological activities

- of the enantiomers of the longtailed mealybug pheromone, Remya Ramesh, Pandrangi Siva Swaroop, Rajesh. G. Gonnade, Choppari Thirupathi, Rebeccah A. Waterworth, Jocelyn G. Millar, D. Srinivasa Reddy,* **J. Org. Chem.**, 2013, 78, 6281.
20. A diverted total synthesis of potent cell adhesion inhibitor Peribysin E analogues, Kishor L. Handore, D. Srinivasa Reddy,* **Org. Lett.**, 2013, 15, 1894.
 21. Synthesis of Palmyrolide A and its *cis*-isomer and mechanistic insight into *trans-cis* isomerisation of the enamide macrocycle, Satish Chandra Philkhana, B. Seetharam Singh, Yuvraj B. Dangat, Kumar Vanka, D. Srinivasa Reddy,* **Chem. Commun.**, 49, 32, 3342.
 22. Studies toward the Synthesis of Potent Anti-inflammatory Peptides Solomonamides A and B: Synthesis of a Macrocyclic Skeleton 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.
 23. Antituberculosis agent diaporthone B: synthesis, absolute configuration assignment and anti-TB activity of its analogues, Pandrangi Siva Swaroop, Gajanan N. Raut, Rajesh G. Gonnade, Priyanka Verma, Rajesh S. Gokhale and D. Srinivasa Reddy,* **Org. Biomol. Chem.**, 2012, 10, 5385.
 24. 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.
 25. A Phosphine-Mediated Synthesis of 1,4-Oxazepine- and 1,5-Oxazocine-Based Sugar Hybrids from Deoxysugar Azides, Suresh E. Kurhade, Videsh T. Salunkhe, V. Siddaiah, Debnath Bhuniya, D. Srinivasa Reddy,* **Synthesis**, 2011, 3523.
 26. Total Synthesis of Isofregenedadiol, Suresh E. Kurhade, Abbas I. Sanchawala, Velayutham Ravikumar, Debnath Bhuniya, D. Srinivasa Reddy,* **Org. Lett.**, 2011, 13, 3690.
 27. Synthesis of novel dihydrooxazine and oxazoline based sugar hybrids from sugar azides, Suresh E. Kurhade, Sudhir Ravula, V. Siddaiah, Debnath Bhuniya, D. Srinivasa Reddy,* **Tetrahedron Lett.**, 2011, 52, 4313.
 28. 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, 29, 4913.

29. An enantiospecific route to (1R,3S)-(+)-*cis*-chrysanthemic acid from D-(-)-pantolactone, Atul K. Hajare, Laxmikant S. Datrang, Y. L. N. Murthy, Debnath Bhuniya, D. Srinivasa Reddy,* *Synthesis*, 2011, 1067.
30. 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.
31. Synthesis of novel sugar-lactam conjugates using Aubé reaction, Suresh E. Kurhade, Tanaji Mengawade, Debnath Bhuniya, Venkata P. Palle and D. Srinivasa Reddy,* *Org. Biomol. Chem.*, 2011, 9, 625.
32. 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.
33. Enantiospecific synthesis of sex pheromone of the obscure mealybug from pantolactone through tandem conjugate addition/cyclization, Atul K. Hajare, Laxmikant S. Datrang, Samir Vyas, Debnath Bhuniya, D. Srinivasa Reddy,* *Tetrahedron Lett.*, 2010, 51, 5291.
34. An efficient synthesis of varenicline, P. Srinivas, D. Srinivasa Reddy, B. Venkatesham, P. K. Dubey, Javed Iqbal, Parthasarathi Das,* *Tetrahedron Lett.*, 2010, 51, 151.
35. Total Synthesis of (±)-Petasitolone and (±)-Fukinone, P. Srinivas, D. Srinivasa Reddy, P. K. Dubey, Javed Iqbal, Parthasarathi Das,* *Synthesis*, 2009, 3833.
36. 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.
37. Enantiospecific synthesis of (-)-D-noviose from (-)-pantolactone, D. Srinivasa Reddy,* G. Srinivas, B. M. Rajesh, M. Kannan, Tridip V. Rajale and Javed Iqbal, *Tetrahedron Lett.*, 2006, 47, 6373.
38. Synthesis of γ -*N*-acylamino- β -keto esters and ethyl 5-oxazoleacetates via Ritter reaction and hydration of γ -hydroxy- α,β -alkynoic esters, K. Srinivasa Rao, D. Srinivasa Reddy,* Manojit Pal, K. Mukkanti, Javed Iqbal, *Tetrahedron Lett.*, 2006, 47, 4385.
39. A concise asymmetric route to the antibiotic macrolides patulolide A and pyrenophorin, K. Srinivasa Rao, D. Srinivasa Reddy,* K. Mukkanti, Manojit Pal, Javed Iqbal, *Tetrahedron Lett.*, 2006, 47, 6623.
40. Synthesis of cyclic peptides using a palladium-catalyzed enyne cycloisomerization, V. Balraju, R. Vasu Dev, D. Srinivasa Reddy, Javed Iqbal,* *Tetrahedron Lett.*, 2006, 47, 3569.
41. Synthesis of small cyclic peptides constrained with 3-(3-aminomethylphenyl)propionic acid linkers using free radical-mediated

- macrocyclization, V. Balraju, D. Srinivasa Reddy, Mariappan Periasamy, Javed Iqbal,* *Tetrahedron Lett.*, 2005, 46, 5207.
42. A simple procedure for the synthesis of γ -hydroxy- α,β -(E)-alkenoic esters: formal synthesis of (+)-macrosphelides A and B, K. Srinivasa Rao, K. Mukkanti, D. Srinivasa Reddy, Manojit Pal, Javed Iqbal,* *Tetrahedron Lett.*, 2005, 46, 2287.
 43. Deamidation of model β -turn cyclic peptides in the solid state, Stephanie L. Krogmeier, D. Srinivasa Reddy, David Vander Velde, Gerald H. Lushington, Teruna J. Siahaan, C. Russell Middaugh, Ronald T. Borchardt, Elizabeth M. Topp,* *J. Pharm. Sci.*, 2005, 2616.
 44. Synthesis of small cyclic peptides constrained with 3-(3-aminomethylphenyl) propionic acid linkers using free radical-mediated macrocyclization, V. Balraju, D. Srinivasa Reddy, Mariappan Periasamy and Javed Iqbal,* *J. Org. Chem.*, 2005, 70, 9626.
 45. The first synthesis of a noreremophilane isolated from the roots of *Ligularia przewalskii*, D. Srinivasa Reddy,* Kalpana Palani, D. Balasubrahmanyam, Viju B. Kamath and Javed Iqbal, *Tetrahedron Lett.*, 2005, 46, 2287.
 46. A mild and efficient method for the synthesis of vinylogous carbamates from alkyl azides, D. Srinivasa Reddy,* Trideep V. Rajale, K. Shivakumar, Javed Iqbal, *Tetrahedron Lett.*, 2005, 46, 979.
 47. Modular Synthesis of Cyclic Peptidomimetics Inspired by γ -Turns, Senthil Kumar Ramanathan, John Keeler, Huey-Lih Lee, D. Srinivasa Reddy, Gerald Lushington and Jeffrey Aubé,* *Org. Lett.*, 2005, 7, 1059.
 48. Domino reactions that combine an azido-Schmidt ring expansion with the Diels-Alder reaction, Yibin Zeng, D. Srinivasa Reddy, E. Hirt and Jeffrey Aubé,* *Org. Lett.*, 2004, 6, 4993.
 49. Synthesis and conformational studies of dipeptides constrained by disubstituted 3-(aminoethoxy)propionic acid linkers, D. Srinivasa Reddy, David Vander Velde and Jeffrey Aubé,* *J. Org. Chem.*, 2004, 69, 1716.
 50. A general approach toward bakkanes: short synthesis of (\pm)-bakkenolide-A (fukinanolide), D. Srinivasa Reddy,* *Org. Lett.*, 2004, 6, 3345.
 51. Efficient and general approach to eremophilanes using siloxyalkyne-alkene metathesis, D. Srinivasa Reddy and Sergey A. Kozmin,* *J. Org. Chem.*, 2004, 69, 4860.
 52. Lewis acid-mediated reactions of alkyl azides with α , β -unsaturated ketones, D. Srinivasa Reddy, Weston Judd and Jeffrey Aubé,* *Org. Lett.*, 2003, 5, 3899.
 53. Asymmetric Schmidt Reaction of Hydroxyalkyl Azides with Ketones, Kiran Sahasrabudhe, Vijaya Gracias, Kelly Furness, Brenton T. Smith, Christopher Katz, D. Srinivasa Reddy and Jeffrey Aubé,* *J. Am. Chem. Soc.*, 2003, 125, 7914.
 54. Siloxyalkyne-alkene Metathesis: Rapid Access to Highly Functionalized Enones, Michael P. Shramm D. Srinivasa Reddy and Sergey A. Kozmin,* *Angew. Chem. Intl. Ed.* 2001, 40. 4274.

55. Enzymatic Resolution of 3,10-Dioxygenated Dicyclopentadienes: Application to the Synthesis of Enantiopure Hydrindanes, Hydroisoquinolones, Diquinanes and (+)-Coronafacic Acid and Formal Synthesis of (+)-Coriolin, Goverdhan Mehta* and D. Srinivasa Reddy, *J. Chem. Soc., Perkin Trans. I*, 2001, 1153.
56. A Formal Synthesis of Reserpine: Hydrindane Approach to the Woodward's ring-E Precursor, Goverdhan Mehta,* D. Srinivasa Reddy *J. Chem. Soc., Perkin Trans. I*, 2000, 1399.
57. Enzymatic Resolution of Dioxygenated Dicyclopentadienes: Enantiopure Hydrindanes, Hydroisoquinolones, Diquinanes and Application to a Synthesis of (+)-Coronafacic Acid, Goverdhan Mehta* and D. Srinivasa Reddy, *Tetrahedron Lett.*, 1999, 40, 1991.
58. Synthetic Studies Directed Towards the Potent Cytotoxic Natural Product Ottelione A: Stereoselective Construction of the Complete Framework Goverdhan Mehta* and D. Srinivasa Reddy, *Chem. Commun.*, 1999, 2193.
59. A mild and efficient synthesis of methyl ethers under solvent-free conditions, H. S. P. Rao, S. P. Senthilkumar, D. Srinivasa Reddy, Goverdhan Mehta,* *Ind. J. Chem.*, 1999, 38B, 260.
60. Polycyclitols: stereoselective synthesis of enantiopure polyhydroxylated hydrindanes (annulated carbasugars), Goverdhan Mehta,* D. Srinivasa Reddy, *Tetrahedron Lett.*, 1999, 40, 9137.
61. Polycyclitols: Stereoselective Synthesis of Decalin and Diquinane Based Polyols as Potential Glycomimics, Goverdhan Mehta,* D. Srinivasa Reddy, S. S. Ramesh and Utpal Tatu, *Tetrahedron Lett.*, 1999, 40, 9141.
62. Formal synthesis of (\pm)-perhydrogephyrotoxin, Goverdhan Mehta,* D. Srinivasa Reddy, *Ind. J. Chem.*, 2000, 39B, 813.
63. Reserpine synthesis: a protocol for the stereoselective construction of the densely functionalized ring-E, Goverdhan Mehta,* D. Srinivasa Reddy, *J. Chem. Soc., Perkin Trans. I*, 1998, 2125.
64. Total synthesis of Primnatriene-type sesquiterpenoids of marine origin via regioselective Haller-Bauer Cleavage of *endo*-Tricyclo[5.2.1.0.2,6]decan-10-one system, Goverdhan Mehta,* D. Srinivasa Reddy, *Synlett*, 1996, 229.

PATENTS (Selected published/filed patents are listed below)

S. No.	Inventors	Title of the patent	Patent details
1	D. Srinivasa Reddy , Revannath L. Sutar, Vinod Kumar, Rahul D. Shingare	Novel N-heterocyclic carbene compounds, their preparation and use	WO/2015/102020
2	D. Srinivasa Reddy , Gorakh Jachak, Remya Ramesh, Santosh Tupe, Mukund Deshpande	Silicon based fungicides and process for producing the same	WO/2015/102025

3	D. Srinivasa Reddy , Chaitanya Saxena, K. Kashinath	Novel indazole compounds and a process for the preparation thereof	WO/2015/015519
4	D. Srinivasa Reddy , Rahul D. Shingare, Velayudham R.	Novel tricyclic compounds and process for preparation thereof	WO/2015/004687
5	D. Srinivasa Reddy , Vasudevan Natarajan, Sachin B. Wagh, Remya Ramesh	Novel pyrrole compounds with silicon incorporation	WO/2014/195970
6	D. Srinivasa Reddy , Remya Ramesh, Rahul D. Shingare	Novel pyrazole compounds with silicon incorporation	WO/2014/181357
7	D. Srinivasa Reddy , Kishor L. Handore, B. Seetharam Singh, Avalokiteswar Sen, Pushpa Pawar, Mary Joseph	Insect repellents	WO/2014/170915
8	D. Srinivasa Reddy , Kishor L. Handore	Anticancer compounds and process for the preparation thereof	WO/2014/128723
9	D. Srinivasa Reddy , Remya Ramesh	Antitubercular compounds and process for the preparation thereof	WO/2014/128724
10	D. Srinivasa Reddy	Enantioselective process for the preparation of enantiomers of sex pheromones	WO/2014/115172
11	D. Srinivasa Reddy , Remya Ramesh, B. Seetharam Singh	Cyclic aza-sila compounds as insect repellants	WO/2014/097322
12	D. Srinivasa Reddy , K. Kashinath, P. Siva Swaroop	A process for the preparation of aminoacrylic acid derivatives	WO/2013/054366, EP2766340, US20140256976
13	D. Srinivasa Reddy , K. Kashinath, N. Vasudevan	A process for the preparation of solomonamide analogues	WO/2014/083578
14	D. Srinivasa Reddy B. Seetharam Singh, Remya Ramesh	Sila analogs of oxazolidinone derivatives and synthesis thereof	WO/2013/054275 EP2766373 US20140296133
15	B. G. Raymond, Bock Mark G, D. Srinivas Reddy , Hajare Atul K, Vyavahare Vinod, Bhosale Sandeep B, Kurhade Suresh E, Salunkhe Videsh, Shaikh Nadim S, Bhuniya Debnath, Palle P. Venkata, Feng Lili, Liang Jessica	Glycoside derivatives and uses thereof	US 8466114B2 US20140274921, US20110171159, US20120178680, US20130017993, WO/2011/048112,

16	B. G. Raymond, Bock Mark G, Bhuniya Debnath, Datrang Laxmikant, Kurhade Suresh E, Palle P. Venkata, D. Srinivas Reddy	Glycoside derivative and uses thereof	EP2491050, CA2778384, US20120196813, WO/2011/048148
17	Palle P. Venkata, Bhuniya Debnath, D. Srinivas Reddy , Kurhade Suresh E	Glucoside derivatives and uses thereof	US20110269700, CN102159206, WO/2010/031820, MX/a/2011/002990
18	Palle P. Venkata, D. Srinivas Reddy , Kurhade Suresh E, Bhuniya Debnath	Glycoside derivatives and uses thereof	US20110230403, MX/a/2011/02989 WO/2010/31813, CA2737830
19	B. G. Raymond, Bhosale Sandeep B, Bhuniya Debnath, Hajare Atul K, Mengawade Tanaji, Mukhopadhyay P, Palle P. Venkata, D. Srinivas Reddy	Fused heterocyclic C-glycosides for the treatment of diabetes	WO/2010/128152
20	D. Srinivas Reddy , Padmalayam Indira, Bhuniya Debnath, Pillarisetti Sivaram, Chakrabarti Ranjan	Novel heterocyclic compounds as lase activators,	WO/2008/036967
21	Padmalayam Indira, Bhuniya Debnath, D. Srinivas Reddy , Khanna Ish, Saxena Uday, Pillarisetti Sivaram	Methods and compositions for the treatment of inflammation, obesity and related metabolic disorders	WO/2008/036966
22	D. Srinivasa Reddy , Satish Chandra, Gorakh Jachak, Vidya Gunjal	Nitrosporeusines & related compounds	Patent filed: 2816/DEL/2014
23	D. Srinivasa Reddy , Satish Chandra, Gorakh Jachak, Vidya Gunjal	Nitrosporeusines & related compounds	Patent filed: 2815/DEL/2014
24	D. Srinivasa Reddy , Kishor L. Handore	Compounds with 3/5/6 tricyclic ring system	Patent filed: 2082/DEL/2014
25	D. Srinivasa Reddy , B. L. V. Prasad, Satish Chandra, Prabhu D.	Long-chain amines: synthesis and uses thereof	Patent filed: 1845/DEL/2014
26	D. Srinivasa Reddy , K. Komirishetty, Prakash Jadhav	Synthesis of tricyclic compounds and uses thereof	Patent filed: 0421/DEL/2014

27	D. Srinivasa Reddy , Remya Ramesh	Sila amino acids	Patent filed: 3243/DEL/2013
28	D. Srinivasa Reddy , Remya Ramesh	Enantiospecific synthesis of pheromones	Patent filed: 1323/DEL/2015
29	D. Srinivasa Reddy , N. Vasudevan, Gorakh Jachak	Process for the ivacaftor and related compounds	Patent filed: 1324/DEL/2015
30	D. Srinivasa Reddy , B. Seetharamsingh, Remya Ramesh	Silicon incorporated oxazolidinone antibiotics with improved brain exposure	Patent filed: 2015-NF-0090