

## List of Publication

### PUBLICATIONS (>120 publications)

1. Ready Access to Densely Substituted Furans Using Tsuji–WackerType Cyclization, Dattatraya P. Masal, Rahul Choudhury, Aman Singh, D. Srinivasa Reddy\* *J. Org. Chem.* 2021, 86, 9200.
2. Identification of Novel Series of Potent Organosilicon Mosquito Repellents, Akshay S. Kulkarni, Remya Ramesh, Safal Walia, Shahebaz I. Sayyad, Ganesh B. Gathalkar, Seetharamsing Balamkundu, Manali Joshi, Avalokiteswar Sen\*, D. Srinivasa Reddy\* *ACS Omega*, 2021, 6, 31236.
3. Coccus hirsutus-derived phytopharmaceutical drug has potent anti-dengue activity, Rahul Shukla, Ravi Kant Rajpoot, Ankur Poddar, Richa Ahuja, Hemalatha Beesetti, Rajgokul K. Shanmugam, Shivam Chaturvedi, Kaushal Nayyar, Deepika Singh, Venugopal Singamaneni, Prasoon Gupta, Ajai Prakash Gupta, Sumeet Gairola, Pankaj Kumar, Y. S. Bedi, Tapesh Jain, Bhupendra Vashishta, Ravindra Patil, Harish Madan, Sumit Madan, Rinku Kalra, Ruchi Sood, Ram A. Vishwakarma, D. Srinivasa Reddy, Altaf A. Lal, Upasana Arora,\* Navin Khanna\* *Front. Microbiol.* 2021, 12, Article 746110.
4. Separation of a diastereomeric diol pair using the mechanical properties of crystals, Rama Krishna Gamidi\*, Monica Dandawate, Srinu Tothadi, Rahul Choudhury, Ashwini K. Nangia\* And D. Srinivasa Reddy\* *CrystEngComm*. 2021, 23, 7056.
5. Quantitative Determination and Characterization of a Kashmir Saffron (*Crocus sativus* L.)-Based Botanical Supplement Using Single-Laboratory Validation Study by HPLC-PDA with LC–MS/MS and HPTLC Investigations, Aboli Girme\*, Ganesh Saste, Sandeep Pawar, Chetana Ghule, Amit Mirgal, Saurabh Patel, Anshuly Tiwari, Sautik Ghoshal, Sandip B. Bharate, Sonali S. Bharate, D. Srinivasa Reddy, Ram A. Vishwakarma, and Lal Hingorani *ACS Omega*, 2021, 6, 23460.
6. Tuning of  $\alpha$ -Silyl Carbocation Reactivity into Enone Transposition: Application to the Synthesis of Peribysin D, *E*-Volkendousin, and *E*-Guggulsterone, Paresh R. Athawale, Vishal Zade, Gamidi Rama Krishna, D. Srinivasa Reddy\* *Org. Lett.* 2021, 23, 6642.
7. DBU/O<sub>2</sub>-Mediated Oxidation of Dienones, Paresh R. Athawale, Hanuman P. Kalmode, D. Srinivasa Reddy\* *J. Org. Chem.* 2021, 86, 9200.
8. Total Synthesis of a Hypothetical Macroketone of Migrastatin, Rahul Choudhury, D. Srinivasa Reddy\* *Eur. J. Org. Chem.* 2021, 3050.
9. Design, Synthesis, and Structural Analysis of Cladosporin-Based Inhibitors of Malaria Parasites, Palak Babbar, Pronay Das, Yogavel Manickam, Yash Mankad, Swati Yadav, Suhel Parvez, Amit Sharma\*, D. Srinivasa Reddy\* *ACS Infect. Dis.* 2021, 7, 1777.
10. Total synthesis of twelve membered resorcylic acid lactones, (*R*)-penicimenolide A, (*R*)-resorcyclide and (*R*)-dihydroresorcyclide, Pronay Das, D. Srinivasa Reddy\* *Tetrahedron*, 2021, 85, 132059.
11. One-Pot Oxidation of Secondary Alcohols to  $\alpha$ -Hydroxy Ketones: Application to Synthesis of Oxoaplysinopsin D, E, F, & G, Akshay S. Kulkarni, Eagala Ramesh D. Srinivasa Reddy\* *Eur. J. Org. Chem.* 2021, 15, 2188.

12. Synthesis and Biological Evaluation of Hoshionolactam-Based Compounds, Dr. Gorakhnath R. Jachak, Drishya Elizebath, Dr. Anurag Shukla, Dr. Dhanasekaran Shanmugam, D Srinivasa Reddy\* *Eur. J. Org. Chem.* 2021, 15, 2212.
13. Scalable, sustainable and catalyst-free continuous flow ozonolysis of fatty acids, Ranjit S. Atapalkar, Paresh R. Athawale, D. Srinivasa Reddy\*, Amol A. Kulkarni\* *Green Chem.*, 2021,23, 2391.
14. Herbicidal bio-assay of isocladospurin enantiomers and determination of its plausible absolute configuration, Yash Mankad, Pronay Das, Ejaj Pathan, MV Deshpande, D Srinivasa Reddy\* *J Antibiot.*, 2021, 74, 280.
15. The biological process of lysine-tRNA charging is therapeutically targetable in liver cancer, Ruyi Zhang, Lisanne Noordam, Xumin Ou, Buyun Ma, Yunlong Li, Pronay Das, Shaojun Shi, Jiaye Liu, Ling Wang, Pengfei Li, Monique MA Verstegen, D Srinivasa Reddy, Luc JW van Der Laan, Maikel P Peppelenbosch, Jaap Kwekkeboom, Ron Smits, Qiuwei Pan. *Liver Int.* 2021, 41, 206.
16. Total synthesis and absolute configuration determination of Ktedonoketone, a benzenoid metabolite from *Thermophilic bacterium*, Monica Dandawate, Rahul Choudhury, Gamidi Rama Krishna, D. Srinivasa Reddy\* *Tetrahedron Letters*, 2020, 61, 152526
17. FeCl<sub>3</sub>-catalyzed oxidative decarboxylation of aryl/heteroaryl acetic acids: preparation of selected API impurities, Chinnakuzhanthai Gangadurai, Giri Teja Illa, D. Srinivasa Reddy\* *Org. Biomol. Chem.*, 2020, 18, 8459.
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19. Overturning the Peribysin Family Natural Products Isolated from *Periconia byssoides* 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.
20. 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.
21. 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.
22. 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
23. 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
24. Total synthesis of Met10-teixobactin, Vidya B. Gunjal, D. Srinivasa Reddy\* *Tetrahedron Letters*, 2019, 60, 1909.
25. 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

26. 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.
27. Scalable synthesis of cladospirin, Pronay Das, Yash Mankad, D. Srinivasa Reddy\* *Tetrahedron Letters*, 2019, 60, 831.
28. Scalable Synthesis of Both Enantiomers of Vigabatrin, an Antiepileptic Drug, Gorakhnath R. Jachak, D. Srinivasa Reddy\* *Eur. J. Org. Chem.* 2019, 1257.
29. 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.
30. 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.
31. 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.
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35. **Specific Stereoisomeric Conformations Determine the Drug Potency of Cladospirin 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.
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37. Quest for Novel Chemical Entities through Incorporation of Silicon in Drug Scaffolds, Remya Ramesh, and D. Srinivasa Reddy\* *J. Med. Chem.*, 2018, 61, 3779.
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