

## List of Publications and Symposia attended

### Papers

1. "Stereoselective Synthesis of Stagonolide-G from D-Mannitol" **N. S. Sai Pavan Kumar, Ch.**; Ravinder, M.; Naveen Kumar, S.; Jayathirtha Rao, V. *Synthesis* **2011**, 451.
2. "An Efficient Stereoselective Approach for the Synthesis of (+)-(4S,5S)-Muricatacin" Srinivas, Ch.; **N. S. Sai Pavan Kumar, Ch.**; China Raju, B.; Jayathirtha Rao, V. *Helv. Chim. Acta* DOI: 10.1002/hlca.201000291.
3. "First Stereoselective Total Synthesis and Anticancer Activity of New Amide Alkaloids of Roots of Pepper" Srinivas, Ch.; **N. S. Sai Pavan Kumar, Ch.**; China Raju, B.; Jayathirtha Rao, V.; Naidu, V. G. M.; Ramakrishna, S.; Diwan, P. V. *Bioorg. Med. Chem. Lett.* **2009**, *19*, 5915.
4. "Efficient Synthesis of 14-Substituted-14-H-Dibenzo[*a,j*]Xanthenes using Silica Supported Sodium Hydrogen Sulfate or Amberlyst-15 Catalyst" **N. S. Sai Pavan Kumar, Ch.**; Srinivas, Ch.; Sadhu, P. S.; Jayathirtha Rao, V.; Palaniappan, S. *J. Heterocyclic Chem.* **2009**, *46*, 997.
5. "Novel Combination of Sodium Borohydride and Reusable Polyaniline Salt Catalyst for Rapid and Efficient Reductive Amination of Carbonyl Compounds" Lavanya Devi, C.; Olusegun, O. S.; **N. S. Sai Pavan Kumar, Ch.**; Jayathirtha Rao, V.; Palaniappan, S. *Catalysis Letters* **2009**, *132*, 480.
6. "Use of Pyridinium Chlorochromate and Reusable Polyaniline Salt Catalyst Combination for the Oxidation of Indoles" **N. S. Sai Pavan Kumar, Ch.**; Lavanya Devi, C.; Jayathirtha Rao, V.; Palaniappan, S. *Synlett* **2008**, *13*, 2023.
7. "Green Approach for the Synthesis of Quinoxaline Derivatives in Water Medium Using Reusable Polyaniline-sulfate Salt Catalyst and Sodium Laurylsulfate" Srinivas, Ch.; **N. S. Sai Pavan Kumar, Ch.**; Jayathirtha Rao, V.; Palaniappan, S. *Catalysis Letters* **2008**, *121*, 291.
8. "Efficient, Convenient and Reusable Polyaniline-sulfate Salt Catalyst for the Synthesis of Quinoxaline Derivatives" Srinivas, Ch.; **N. S. Sai Pavan Kumar, Ch.**; Jayathirtha Rao, V.; Palaniappan, S. *J. Mol. Catal. A: Chem.* **2007**, *265*, 227.

9. "Synthesis and Biological Evaluation of Tetrazole Containing Compounds as Possible Anticancer Agents" **N. S. Sai Pavan Kumar, Ch.;** Parida, D. K.; Santhoshi, A.; Kota, A. K.; Sridhar, B.; Jayathirtha Rao, V. Communicated to *MedChemComm*.
10. "DBU Promoted Facile Synthesis of New Thieno[2,3-*b*]pyridine/quinoline Derivatives and Their Biological Evaluation" **N. S. Sai Pavan Kumar, Ch.;** Srihari, E.; Ravinder, M, Pranay Kumar, K.; Murthy, U. S. N.; Jayathirtha Rao, V. (Communiated to *ARKIVOC*).
11. "PCC-SiO<sub>2</sub>/AlCl<sub>3</sub> promoted Efficient Oxidation of Azaindoles and Indoles" Sriram, R.; **N. S. Sai Pavan Kumar, Ch.;** Raghunandan, N.; Ramesh, V.; Sarangapani, M.; Jayathirtha Rao, V. (Communicated to *Synth. Commun.*).

**Presentation in Symposiums/Seminars:**

12. "Synthesis and Anticancer Activity of New Tetrazole Derivatives from Baylis-Hillman Allyl Amines" Work presented in "**98<sup>th</sup> Indian Science Congress (ISC 2011)**" Jan 3-7, 2011. SRM University, Tamilnadu, India. **N. S. Sai Pavan Kumar, Ch.;** Parida, D. K.; Kota, A. K.; Jayathirtha Rao, V.
13. "Novel Combination of Sodium Borohydride and Reusable Polyaniline Salt Catalyst for Rapid and Efficient Reductive Amination of Carbonyl Compounds" Work presented in UGC sponsored National Seminar on "**Environmentally Benign Synthetic Methodologies in Chemistry (EBSMC-2010)**" Feb. 9-10, 2009. Kakatiya University, Warangal, India. **N. S. Sai Pavan Kumar, Ch.;** Lavanya Devi, C.; Jayathirtha Rao, V.; Palaniappan, S.
14. "Synthesis of Fuzanins" Work presented in National Seminar on "**New Dimensions in Chemical Sciences (NDCS-2010)**" Jan 30, 2010, Osmania University, Hyderabad, India, **N. S. Sai Pavan Kumar, Ch.;** Naveen Kumar, S.; Jayathirtha Rao, V.
15. Participated in UGC Sponsored National Conference on "**Current Research Trends & Developments in Heterocyclic Chemistry**" March 17-18, 2006. Osmania University, Hyderabad, India.