

LIST OF PUBLICATIONS

1. Rapid assembly of heterocycles grafted macrocycles *via* tandem one-pot double 1,3-dipolar cycloaddition reaction. **R. Prasanna**, S. Purushothaman and R. Raghunathan* *Org. Biomol. Chem* **2014**, *12*, 9375-9383.
2. Synthesis of glucosylspiro-oxindole derivatives *via* one-pot three-component cycloaddition of azomethine ylides. **R. Prasanna**, S. Purushothaman and R. Raghunathan* *Tetrahedron Lett.* **2014**, *55*, 6631-6634.
3. Convenient synthesis of ferrocene appended β -C-glycosylic spiropyrrolidines and pyrrolizidines through 1, 3-dipolar cycloaddition reaction. **R. Prasanna**, S. Purushothaman, M. Suresh and R. Raghunathan*. *Tetrahedron Lett.* **2011**, *52*, 792-797.
4. Highly regioselective synthesis of glycospiro heterocycles through 1,3-dipolar cycloaddition reaction **R. Prasanna**, S. Purushothaman and R. Raghunathan* *Tetrahedron Lett.* **2010**, *51*, 4538-4542.
5. Regio- and stereoselective synthesis of spiro-pyrrolidine/pyrrolizidine/ thiazolidine-grafted macrocycles through intramolecular 3 + 2 cycloaddition reaction. S. Purushothaman, **R. Prasanna**, S. Lavanya and R. Raghunathan* *Tetrahedron Lett.* **2013**, *54*, 5744-5747.
6. Regioselective synthesis spiropyrrolidine/spiropyrrrolizidine/spirothiazolidine-grafted macrocycles through 1, 3-dipolar cycloaddition methodology. S. Purushothaman, **R. Prasanna** and R. Raghunathan* *Tetrahedron*, **2013**, *69*, 9742-9750.
7. Expedient synthesis of bicyclic pyrrolidine/pyrrolizidine/thiazolidine grafted macrocycles through intramolecular 1,3-dipolar cycloaddition of azomethine ylides. S. Purushothaman, **R. Prasanna** and R. Raghunathan* *Tetrahedron Lett.* **2013**, *54*, 6450-6454.
8. Stereoselective synthesis of hexahydro-3-methyl-1-arylchromeno[3,4-b]pyrrole and its annulated heterocycles as potent antimicrobial agents for human pathogens, S. Purushothaman, **R. Prasanna**, P. Niranjana, R. Raghunathan*, S. Nagaraj and R. Rengasamy. *Bioorg. Med. Chem. Lett.* **2010**, *20*, 7288-7291.
9. Crystal structures analysis of spiropyrrolidines derivatives. S. Suhitha, T. Srinivasan, K. Gunasekaran, **R. Prasanna**, R. Raghunathan and D. Velmurugan. *Int. J. Chem. Tech. Res.* **2013**, *5*, 2793-2803.
10. 1,3-Dipolar cycloaddition reaction on carbohydrate template: A stereoselective synthesis of glycospiroheterocycles **R. Prasanna**, S. Purushothaman and R. Raghunathan*. (Submitted).

SYMPOSIUM/CONFERENCES ATTENDED

Paper Presentation:

1. Presented a **paper** in **RSC-West India Section PhD Students Symposium**, Held from 3-4th September 2010 at University of Goa, Goa (India).
2. Presented a **Paper** in **NCFAC-2011** Held 22nd December 2012 at Pondicherry University, Puducherry (India).

Poster Presentation:

1. Presented a **Poster** in **12th CRSI National Symposium in Chemistry**, Held from 4-7th February 2010 at IICT, Hyderabad (India).
2. Presented a **Poster** in **RRTSONPC-12**, Held from 19-20th March 2012 at S.V. University, Tirupati (India).
3. Presented a **Poster** in **MEDCHEM-2011** Held from 28 - 29th October 2011 at Indian Institute of Technology Madras (IITM), Chennai (India).
4. Presented a **Poster** in **Recent Trends in Organic Synthesis**, Held from 24-26th February 2011 at Bharathidasan University, Tiruchirappali (India).
5. Presented a **Poster** in **Chennai Chemistry Conference** Held from 8-10th February 2013 at CSIR-Central Leather Research Institute, Chennai (India).
6. Presented a **Poster (Received First Prize)** in **International Conference** on New Emerging trends in Chemistry Held 3-4th March 2013 at The IIS University, Jaipur (India).

Participation:

1. Participated in **Chennai Chemistry Conference**, Held from 11-13th February 2011 at Indian Institute of Technology Madras (IITM), Chennai (India).
2. Participated in **CRSI-IYC-2012**, Held from 16-17th Dec 2011 at Pondicherry University, Puducherry (India).
3. Participated in **ICRAM-2012**, Held from 20-22nd February 2012 in School of Advanced Sciences VIT University, Vellore (India).