

## Dr. Suresh Reddy Chidipudi

Dr. Suresh Reddy Chidipudi, Marie Curie Fellow

**Spiro Organics Pvt. Ltd. (Director)**

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### Education & Academic Research Experience

**Present Status: Spiro Organics Pvt. Ltd. (Director), Technical Consultant to Synthochirals Pvt. Ltd**

**Postdoctoral Research Fellow, University of Nottingham, UK, July 2016–June 2017**

Working on drug discovery: IMI (Innovative Medicines Initiative) in collaboration with Sygnature Discovery  
(Supervisor: Prof. Robert Stockman)

**Postdoctoral Research Fellow, University of Nottingham, UK, October 2013 – June 2016**

Transition Metal Catalysed Enantioselective C-H Functionalisation Using Chiral Cp\*Rh(I) Catalysts  
(Supervisor: Prof. Hon Wai Lam)

**Marie Curie Postdoctoral Research Fellow, University of Edinburgh, UK, November 2010 – September 2013**

Transition Metal Catalysed C-H Functionalisation  
(Supervisor: Prof. Hon Wai Lam)

**Senior Chemist at Escientia Bio Pharma Pvt. Ltd., June 2009 – October 2010**

**PhD in Synthetic Organic Chemistry, IICT (Hyderabad), India, July 2003 – April 2009 (Awarded 2011)**

Total Synthesis of Amphidinolide T1, Amphidin B and Development of New Methodologies  
(Supervisor: Dr. J. S. Yadav & Co-supervisor Dr. B. V. S. Reddy)

**Junior Research Fellow, NCL (Pune), India, June 2002 – June 2003**

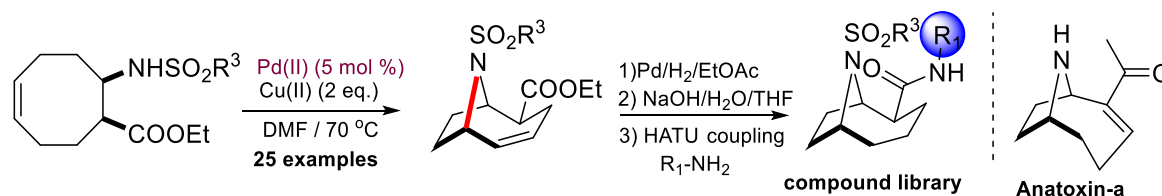
Total Synthesis of Natural Products  
(Supervisor: Dr. Ganesh Pandey)

**M.Sc in Organic Chemistry, Acharya Nagarjuna University, 2002**

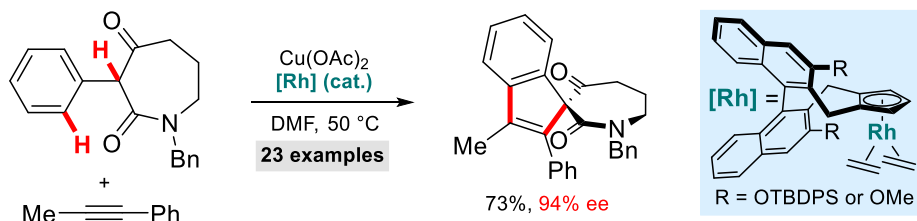
### Publications

1. **“Pd(II)-Catalysed Oxidative Amination for access to the 9-azabicyclo[4.2.1]nonane framework: Library Synthesis of Anatoxin-a Derivatives.**

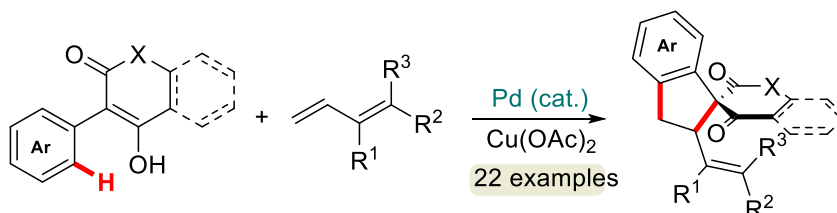
Rafid S. Dawood,<sup>a,b</sup> Suresh Reddy Chidipudi,<sup>a,c</sup> Daniel O’ Connor,<sup>a</sup> William Lewis,<sup>a</sup> Ian R. Strutt,<sup>d</sup> Daniel Hamza,<sup>d</sup> Gerrant Jones,<sup>d</sup> Ross P. Wilkie,<sup>a</sup> Irene Georgiou,<sup>a</sup> Thomas E. Storr,<sup>a</sup> Jonathan C. Moore<sup>\*a</sup> and Robert A. Stockman<sup>\*a</sup> *Eur. J. Org. Chem.* **2018** (40), 5558-5561



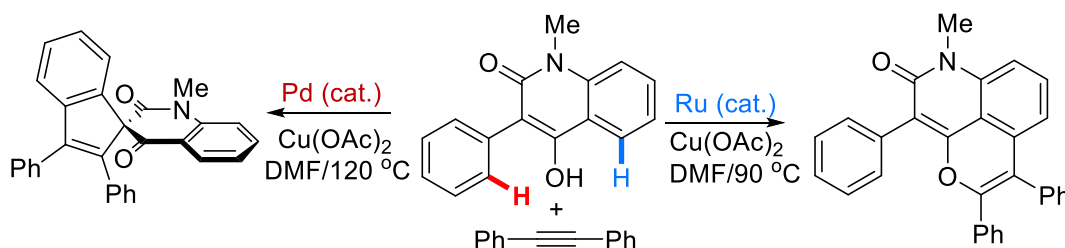
2. **“Enantioselective Spiroindene formation via C-H Functionalisation using Chiral Cp\*Rh(I)-Catalysts”** Suresh Reddy Chidipudi; D. Burns; I. Khan; H.W. Lam; *Angew. Chem., Int. Ed.* **2015**, *54*, 13975-13979



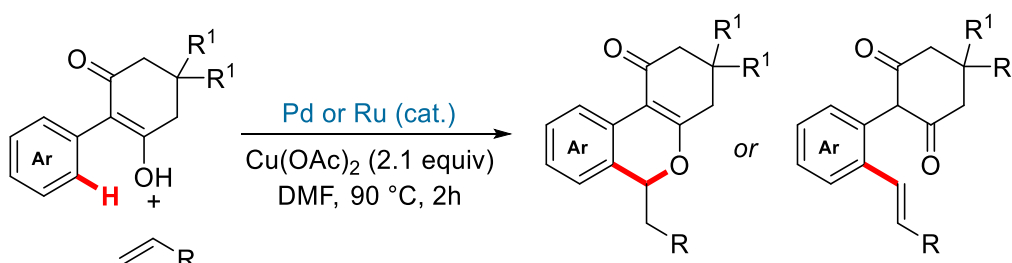
3. **“Synthesis of Spiroindanes by Palladium-Catalyzed Oxidative Annulation of 2-Aryl Cyclic 1,3-dicarbonyl Compounds with 1,3-Dienes”** I. Khan; Suresh Reddy Chidipudi; H.W. Lam; *Chem. Commun.* **2015**, 51, 2613-2616.



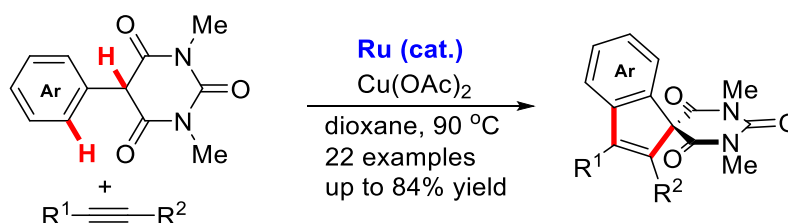
4. **“Catalytic Selective C-H Functionalization of Unsymmetrical Cyclic 2-Aryl-1,3-Dicarbonyl Compounds”** J. D. Dooley; Suresh Reddy Chidipudi; H.W. Lam; *J. Am. Chem. Soc.* **2013**, 135, 10829-10836.



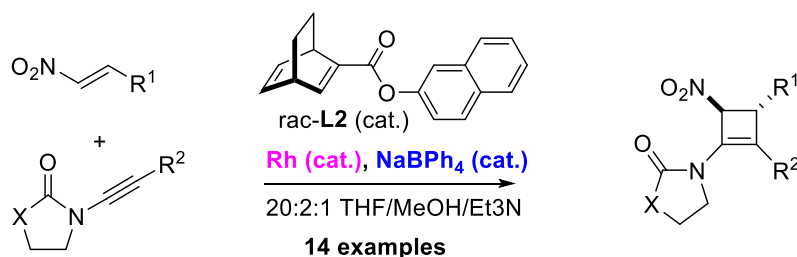
5. **“Synthesis of Benzopyrans by Pd(II) Or Ru(II)-Catalysed Enolate-Directed C-H Alkenylation”** Suresh Reddy Chidipudi; M.D Wieczysty; I. Khan; H.W. Lam; *Org. Lett.* **2013**, 15, 570-573.



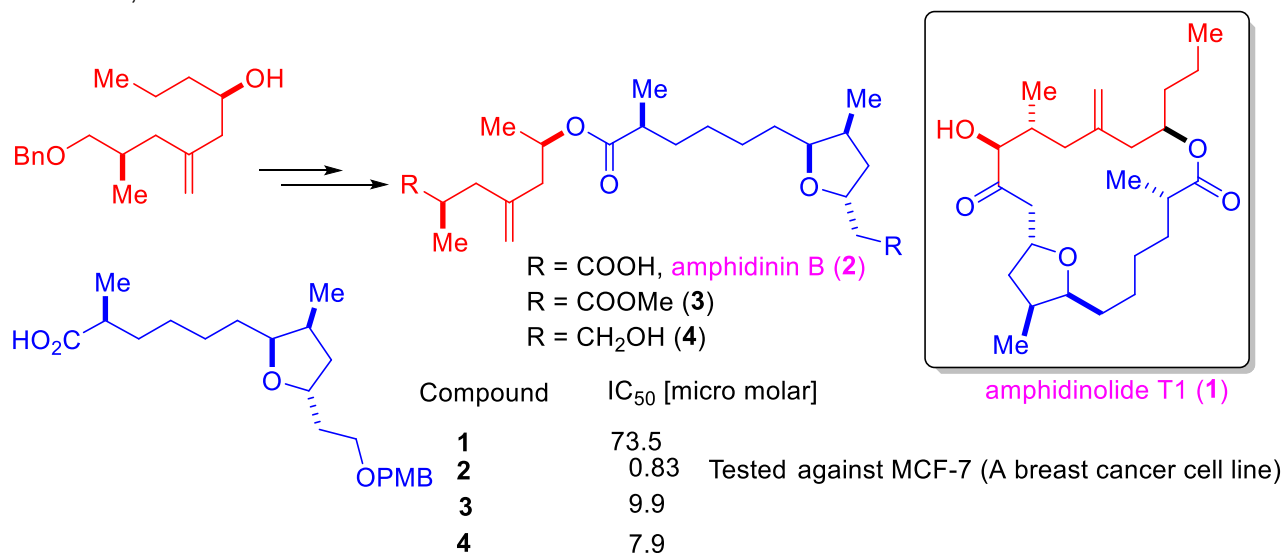
6. **“Synthesis of Spiroindenes by Enolate-Directed Ruthenium-Catalysed Oxidative Annulation Involving C(sp<sup>3</sup>)-C(sp<sup>2</sup>) Reductive Elimination”** Suresh Reddy Chidipudi; I. Khan; H.W. Lam; *Angew. Chem., Int. Ed.* **2012**, 51, 12115-12119.



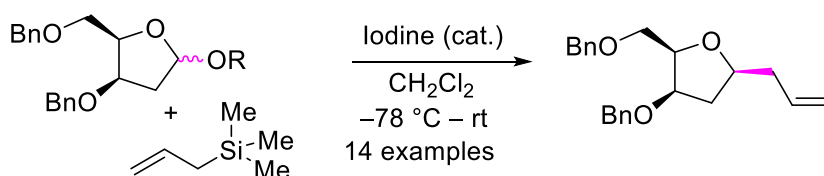
7. **“Rh-Catalysed Formal [2+2] Cycloaddition of Ynamides with Nitroalkenes”** D.L. Smith; <sup>†</sup> Suresh Reddy Chidipudi; <sup>†</sup> W.R. Goundry; <sup>‡</sup> H.W. Lam; <sup>†</sup> *Org. Lett.* **2012**, 14, 4934-4937.



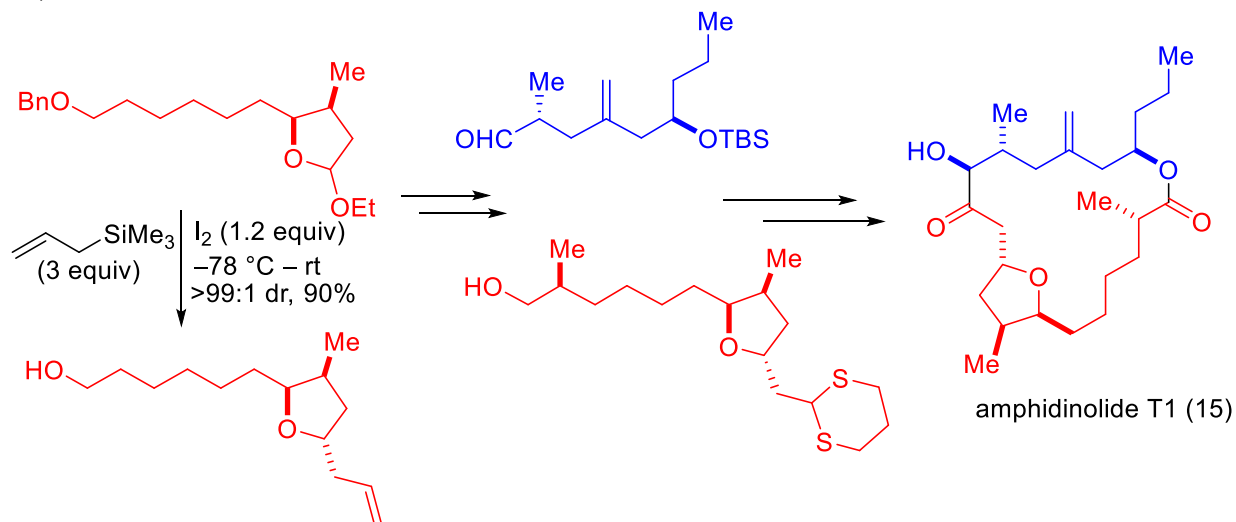
8. "First Stereoselective Synthesis and Biological Evaluation of Amphidinin B and its Analogues" J.S. Yadav,\* A.S. Reddy; Ch. Suresh Reddy; B.V.S. Reddy,\* S. Venkateswarlu; A. Anthony,\* *Eur. J. Org. Chem.* **2011**, 696–706.



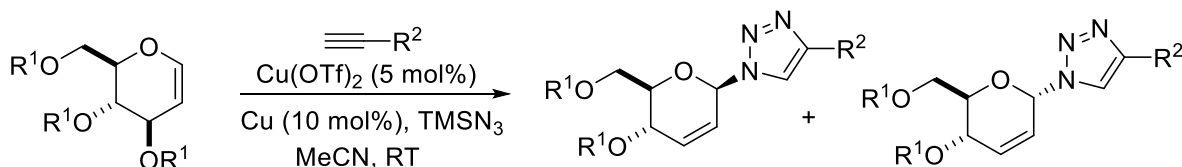
9. "Highly diastereoselective allylation of lactols and their ethers using molecular iodine" J.S. Yadav,\* B.V.S. Reddy,\* A.S. Reddy; Ch. Suresh Reddy; S.S. Raju; *Tetrahedron Lett.* **2009**, 50, 6631–6634.



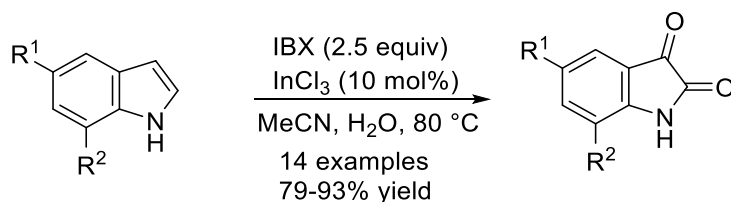
10. "Stereoselective Total Synthesis of Amphidinolide T1" J.S. Yadav; \* Ch. Suresh Reddy; *Org. Lett.* **2009**, 11, 1705.



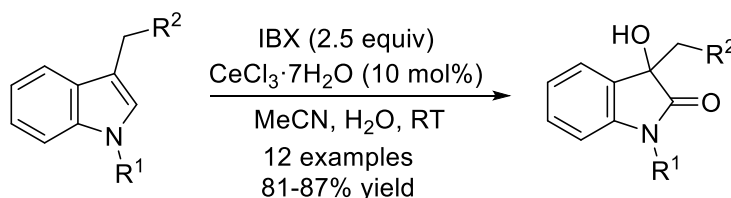
11. "A tandem Ferrier and Click reaction: a facile synthesis of triazolyl-2,3-dideoxypyranosides" J.S. Yadav,\* B.V.S. Reddy,\* D.N. Chary; Ch. Suresh Reddy; *Tetrahedron Lett.***2008**, 49, 2649-2652.



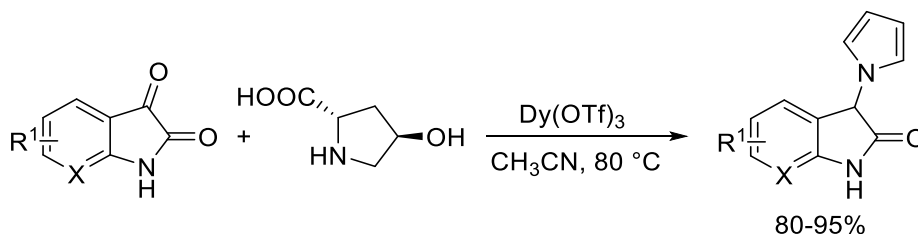
12. "Indium (III) Chloride/2-Iodoxybenzoic Acid: A Novel Reagent System for the Conversion of Indoles into Isatins" J.S. Yadav,\* B.V.S. Reddy,\* Ch. Suresh Reddy; A.D. Krishna; *Synthesis***2007**, 693-696.



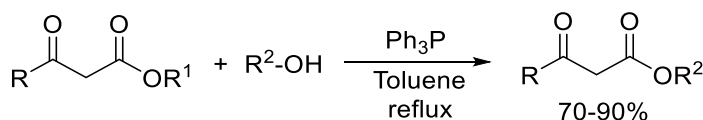
13. "CeCl<sub>3</sub>·7H<sub>2</sub>O/IBX-promoted oxidation of 3-alkylindoles to 3-hydroxyoxindoles" J.S. Yadav; \* B.V.S. Reddy;\* Ch. Suresh Reddy; A.D. Krishna; *Tetrahedron Lett.***2007**, 48, 2029-2032.



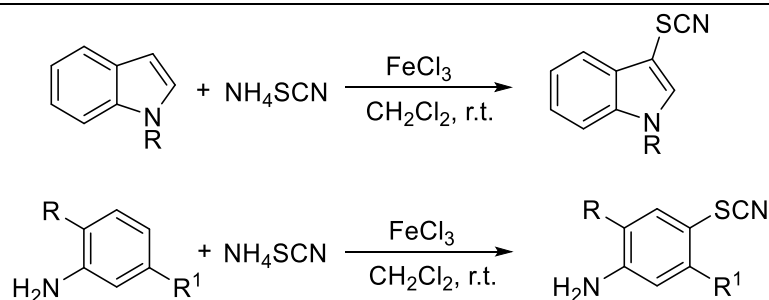
14. "Dy(OTf)<sub>3</sub> as a versatile catalyst for the synthesis of 3-pyrrolyl-indolinones and pyrrolyl-indeno[1,2-b]quinoxalines" J.S. Yadav,\* B.V.S. Reddy,\* R. Jain; Ch. Suresh Reddy; *Tetrahedron Letters***2007**, 48, 3295-3298.



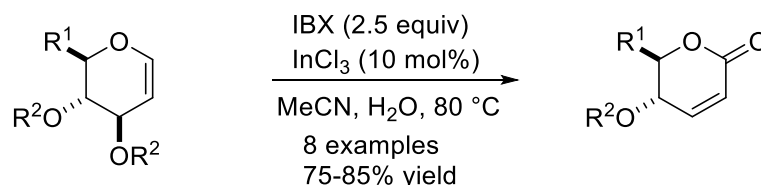
15. "Triphenylphosphine: An efficient catalyst for transesterification of β-ketoesters" J.S. Yadav,\* B.V.S. Reddy; A.D. Krishna; Ch. Suresh Reddy; A.V. Narsaiah; *Journal of Molecular Catalysis A: Chemical***2007**, 261, 93-97.



16. "Ferric(III) Chloride-Promoted Electrophilic Thiocyanation of Aromatic and Heteroaromatic Compounds" J.S. Yadav,\* B.V.S. Reddy; A.D. Krishna; Ch. Suresh Reddy; A.V. Narsaiah; *Synthesis***2005**, 961-964.



17. "InCl<sub>3</sub>/IBX: a novel reagent system for the conversion of glycols into  $\alpha,\beta$ -unsaturated  $\delta$ -lactones" J.S. Yadav,\* B.V.S. Reddy; Ch. Suresh Reddy; *Tetrahedron Letters* 2004, 45, 4583–4585.



## Awards & Achievements

2010 Marie Curie Post-Doctoral Fellow

2010 Elli Lilly Outstanding Thesis Award (First Prize)

2008 Best Poster Award for "Diastereoselective Total Synthesis of Amphidinolide T1", which was displayed at Asian symposium, IICT (Hyderabad)

2002 Graduate Aptitude Test in Engineering (GATE), (all India rank 107) awarded by Indian Institute of Technology.

2002-June, Awarded as a Junior Research Fellowship (JRF) in the National Eligibility Test

2001-Dec, Awarded as a Junior Research Fellowship (JRF) in the National Eligibility Test

2001-June, Awarded as a Lectureship (NET-JRF) in the National Eligibility Test

2000-Dec, Awarded as a Lectureship (NET-JRF) in the National Eligibility Test

## Presentations

### Oral

University of Edinburgh, March 2012

### Poster

Asian Symposium for "Diastereoselective Total Synthesis of Amphidinolide T1", IICT (Hyderabad), November-2008

### Conferences attended

ISACS7, Challenges in Organic Chemistry and Chemical Biology, Edinburgh, June 2012

Asian symposium, Medicinal Plants, Spices and other Natural Products, Hyderabad, November 2008

International Conference on organic synthesis and process chemistry, Hyderabad, May 2005