


## Jaya Kishore Vandavasi / Ph.D

	Nationality: INDIAN
	Language: TELUGU, ENGLISH
	<p>Autobiography:</p> <p>My name is Jaya Kishore Vandavasi and I was born on 29th August 1981 in Nellore, Andhra Pradesh, India. My studies from Kindergarten to Bachelor's degree were done in Nellore. Moved to Sri Venkateswara University, Tirupathi in 2003 for my masters and obtained degree in 2005. After that joined in AVRA Labs from 2005-2006 as a Junior Research Scientist. From there went to Chembiotek, Kolkata as Research Chemist from 2006-2010. I decided to do PhD studies and Prof. Jeh-Jeng Wang from Kaohsiung Medical University given me a golden opportunity to prove myself in his group. My professor support was extraordinary through my research by giving suggestions and directing me in a right path. I really proud to be in his group. Research area was in development of new methodologies by using bases and metals. My PhD duration from September 2010 to December 2013 and continued as a Post Doctoral Fellow with Prof. Jeh-Jeng Wang group from January 2014 to July 2015. Prof. Jeh-Jeng Wang recommended me to Prof. Wen-Shan Li in Academia Sinica and I am there for one year. In 2016, I got opportunity to do my Post Doc with Prof. Stephen G. Newman from University of Ottawa, Canada. I joined in his group from August 2016-June 2018. My research was to develop new coupling reactions and published in my dream Journals Angew. Chem. Int. Ed., and J. Am. Chem. Soc.</p> <p>From there I joined with Toronto Research Chemicals, Toronto, Canada.</p>

**Doctoral: PhD**

Institute: Kaohsiung Medical University, Kaohsiung, Taiwan

Research field: Organic Chemistry

Thesis supervisor / Co-advisor: Prof. Jeh-Jeng Wang

**Master:**

Institute: Sri Venkateswara University, Tirupathi, Andhra Pradesh, India

Research field: Organic Chemistry

Thesis supervisor / Co-advisor:

**Publication:**

**Publication List from Prof. Stephen G. Newman**

**Ketone Synthesis by a Nickel-Catalyzed Dehydrogenative Cross-Coupling of Primary Alcohols**

*Verheyen, T.; Turnhout, L. v.; Vandavasi, J. K.; De Borggraeve, W. M.; Isbrandt, E. S.; Newman, S. G. J. Am. Chem. Soc. 2019, 141, 6869. (Impact Factor: 14.695)*

**Switchable Selectivity in the Pd-Catalyzed Alkylative Cross-Coupling of Esters**

*Masson-Makdissi, J.; Vandavasi, J. K.; Newman, S. G. Org. Lett. 2018, 20, 4094. (Impact Factor: 6.55)*

**A High-Throughput Approach to Discovery: Heck-Type Reactivity with Aldehydes**

*Vandavasi, J. K.; Newman, S. G. Synlett. 2018, 29, 2081. (Invited Review Synfacts article, Highlighted in OPRD) (Impact Factor: 2.418)*

**A Nickel-Catalyzed Carbonyl-Heck Reaction**

*Jaya Kishore Vandavasi, XiYe Hua, Hamdi Ben Halima, Stephen G. Newman, Angew. Chem. Int Ed., 2017, 56, 15441. (Impact Factor: 12.257)*

## **Catalytic Deuteration of Aldehydes with D<sub>2</sub>O**

*Isbrandt, E. S.; Vandavasi, J. K.; Zhang, W.; Jamshidi, M. P.; Newman, S. G. Synlett 2017, 28, 2851. (Invited contribution in honor of Prof. Snieckus) (Impact Factor: 2.418)*

## **A Cross-Coupling Approach to Amide Bond Formation from Esters**

*Ben Halima, T.; Vanadavasi, J. K.; Shkoor, M.; Newman, S. G. ACS Catalysis 2017, 7, 2176. ((mpact Factor: 12.221)*

## **PUBLICATION List From Prof. Jeh-Jeng Wang Group:**

1. *Jaya Kishore Vandavasi, Wan-Ping Hu, Siva Senthil Kumar Boominathan, Bing-Chun*

*Guo, Cheng-Tien Hsiao and Jeh-Jeng Wang, Chem. Comm., 2015, 15, 12435-12438.*

2. *Jaya Kishore Vandavasi, Wan-Ping Hu, Gopal Chandru Senadi, Hui-Ting Chen, HsingYin Chen, Kuang-Chan Hsieh, and Jeh-Jeng Wang, Adv. Syn. & Cat. 2015, 357, 2788-2794.*

3. *Jaya Kishore Vandavasi, Cheng-Tien Hsiao, Wan-Ping Hu, Siva Senthil Kumar Boominathan and Jeh-Jeng Wang, European Journal of Organic Chemistry, 2015, 2015, 3171-3177.*

4. *Ping-Fan Chen, Kung-Kai Kuo, Jaya Kishore Vandavasi, Siva Senthil Kumar Boominathan, Chung-Yu Chen, Jeh-Jeng Wang, Org. Biomol. Chem., 2015, 13, 9261-9266.*

5. *Gopal Chandru Senadi, Wan-Ping Hu, Ting-Yi Lu, Amol Milind Garkhedkar, Jaya Kishore Vandavasi, and Jeh-Jeng Wang, Org. Lett. 2015, 17, 1521-1524.*

6. Siva Senthil Kumar Boominathan, Gopal Chandru Senadi, Jaya Kishore Vandavasi,  
Jeff Yi-Fu Chen and Jeh-Jeng Wang, *Chemistry - A European Journal*, 2015, 21,  
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7. Ou, H.-W, Chiang, M. Y, Jaya Kishore Vandavasi, Lu, W.-Y, Chen, Y.-J, Tseng,  
H.-C,  
Lai, Y.-C and Chen, H.-Y, *RSC Advances*, 2015, 5, 477-484.
8. Jaya Kishore Vandavasi, Wan-Ping Hu, Cheng-Tien Hsiao, Gopal Chandru  
Senadi and Jeh-Jeng Wang, *RSC Advances*, 2014, 4, 57547- 57552.
9. Jaya Kishore Vandavasi, Wan-Ping Hu, Gopal Chandru Senadi, Siva Senthil  
Kumar,  
Hsing-Yin Chen, Jeh-Jeng Wang, *European Journal of Organic Chemistry*. 2014,  
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10. Siva Senthil Kumar Boominathan, Wan-Ping Hu, Gopal Chandru Senadi, Jaya  
Kishore Vandavasi and Jeh-Jeng Wang, *Chem. Comm.*, 2014, 50, 6726-6728.
11. Jaya Kishore Vandavasi, Kung-Kai Kuo, Wan-Ping Hu, Ho-Chanu Shen,  
Wei-Sheng  
Lo and Jeh-Jeng Wang, *Org. Biomol. Chem.*, 2013, 11, 6520-6525.
12. C. Y. Chen, C. H. Yang, W. P. Hu, Jaya Kishore Vandavasi, M.I. Chung, J. J.  
Wang.,  
*RSC Advances*, 2013, 3, 2710-2719.
13. Jaya Kishore Vandavasi, W. P. Hu, H. Y. Chen, G. C. Senadi, C. Y. Chen, and J.  
J.  
Wang, 2012, *Org. Lett.* 2012, 14, 3134-3137. (Highlighted in Synfacts 2012 and  
*Organic  
Chemistry Portal*).
14. W. C. Lee, H. C. Shen, W. P. Hu, W. S. Lo, C. Murali, Jaya Kishore Vandavasi,  
and J. J. Wang, *Adv. Syn. & Cat.* 2012, 11-12, 2218-2228.
15. C. F. Su, W. P. Hu, Jaya Kishore Vandavasi, C. C. Liao, C. Y. Hung, and J. J.

Wang,  
SYNLETT 2012, 23, 2132-2136.

16. G. C. Senadi, W. P. Hu, J. S. Xiao, Jaya Kishore Vandavasi, C. Y. Chen and J. J. Wang, *Org. Lett.* 2012, 14, 4478-4481. (Highlighted in Synfacts 2012 and Organic Chemistry Portal).

17. Jaya Kishore Vandavasi, W. P. Hu, C. Y. Chen, J. J. Wang, , *Tetrahedron* 2011, 67, 8895-8901.

18. W. S. Lo, W. P. Hu, H. P. Lo, C. Y. Chen, C. L. Kao, Jaya Kishore Vandavasi, and J. J. Wang, *Org. Lett.* 2010, 12, 5570-5572.

### **From Prof. Jyoti Chattopadhyaya Group(Industrial experience)**

19. S. Dutta, N. Bhaduri, N. Rastogi, S. G. Chandel, Jaya Kishore Vandavasi, R. S. Upadhyaya, J. Chattopadhyaya, *Med. Chem. Commun.*, 2011, 2, 206-216.

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21. R. S. Upadhyaya, Jaya Kishore Vandavasi, R. A. Kardile, S. V. Lahore, S. S. Dixit, H. S. Deokar, P. D. Shinde, M. P. Sarmah, J. Chattopadhyaya, *European Journal of Medicinal Chemistry*, 2010, 45, 1854-1867 (Selected in Top 25 Hottest Articles).

22. R. S. Upadhyaya, G. M. Kulkarni, N. R. Vasireddy, Jaya Kishore Vandavasi, S. S. Dixit, V. Sharma, J. Chattopadhyaya, *Bioorganic & Medicinal Chemistry*, 2009, 17, 4681-4692 (Selected in Top 25 Hottest Articles).

23. R. S. Upadhyaya, Jaya Kishore Vandavasi, N. R. Vasireddy, V. Sharma, S. S. Dixit, J. Chattopadhyaya, *Bioorganic & Medicinal Chemistry*, 2009, 17, 2830-2841.