

SURESH RAJENDRAN

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C/o Professor S. Muthusubramanian, Department of Organic Chemistry, School of Chemistry,
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ACADEMIC RECORD

Doctor of Philosophy (Organic Chemistry) **2007-2012**

Department of Organic Chemistry, School of Chemistry
Madurai Kamaraj University, Madurai.

Master of Science (Chemistry) **1998-2000**
Madurai Kamaraj University, Madurai, India

Bachelor of Science (Chemistry) **1995-1998**
R. D. G. A. College, Sivagangai, India

RESEARCH EXPERIENCE

Ph. D. Work

Thesis supervisor: Professor S. Muthusubramanian

Thesis Title: **Efficient synthesis of heterocyclic systems**

INDUSTRIAL EXPERIENCE

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|--------------------------------|------------------------|---------------------|
| • Senior Research scientist | Syngene Int Ltd-Biocon | 2010-present |
| • Associate Scientific Manager | Syngene Int Ltd-Biocon | 2006-2010 |
| • Scientist | Syngene Int Ltd-Biocon | 2000-2006 |

Synthetic organic chemist with more than 12 years of experience in the CRO area. Evaluated and developed new synthetic routes for the challenging projects. Recognized for taking on and delivering some of the most synthetically challenging projects to most successful one. Lead a team of 3 member groups for one of the top most pharmaceutical client.

AWARDS & SCHOLARSHIPS

- **Received college topper prize with Distinction** in B. Sc. in R. D. G. A. College (Marks obtained: 78%)
- **Received second rank in M. Sc.** at Madurai Kamaraj University, Madurai, India.
- **Received Bio Contribute award** in Syngene Intl-Biocon, Bangalore, India.

RESEARCH-RELATED EXPERIENCE

Well versed with various chemistry related computer packages like Chem Draw, MDL-ISIS draw, ACD Chem Lab, PC model to include among many others and familiar with Sci Finder, Reaxys.

RESEARCH INTEREST

- Development of new synthetic methodologies
- Transition metal mediated transformations
- Organocatalysis
- Natural product synthesis

SYMPOSIA ATTENDED

- 4th J-NOST conference, School of chemistry, Madurai Kamaraj University, Madurai, India, December 2009.
- Rajendran Suresh and Shanmugam Muthusubramanian, “One Pot synthesis of 2-(1*H*-pyrrolo[2,3-*b*]pyridin-3-yl)quinolines by SnCl₂-catalyzed imino Diels-Alder reaction” poster presented in CRSI Zonal Meeting, International Symposium on Chemistry, Pondicherry University, Pondicherry, India, December 2011.
- RSC India Road show Chemical Biology and medicinal Chemistry conference, Indian Institute of Science, Bangalore, India, 7th Feb-2013.
- Rajendran Suresh and Shanmugam Muthusubramanian, “Synthesis and antibacterial studies of (*Z*)-1,3-diaryl-2-(4-aryl-1*H*-1,2,3-triazol-1-yl)prop-2-en-1-ones” poster presented in 2nd UK-India MedChem Congress, CSIR – Indian Institute of Chemical Technology, Hyderabad, India, March 2013.

RESEARCH PUBLICATIONS

1. SnCl₂-Catalyzed Selective Atom Economic Imino Diels-Alder Reaction: Synthesis of 2-(1*H*-Pyrrolo[2,3-*b*]pyridin-3-yl)quinolines, **Suresh, R.**; Muthusubramanian, S.; Senthilkumaran, R.; Manickam, G. *J. Org. Chem.* **2012**, 77,1468-1476.
2. Palladium-Catalyzed Decarboxylative Suzuki and Heck couplings of Azaindole-2-carboxylic Acids: Synthesis of 2-Aryl/Alkenyl-1-phenylsulphonyl-1-*H*-pyrrolo[2,3 *b*]pyridines, **Suresh, R.**; Muthusubramanian, S.; Kumaran, R. S.; Manickam, G. *Asian J. Org. Chem.* **2013**, 2, 169-175.

3. Indium trichloride catalyzed regioselective synthesis of substituted pyrroles in water, **Suresh, R.**; Muthusubramanian, S.; Nagaraj, M.; Manickam, G. *Tetrahedron Lett.* **2013**, *54*, 1779-1784.
4. Acid controlled generation of indanes and oxazolines from β -hydroxyarylethanamide, **Suresh, R.**; Muthusubramanian, S.; Boominathan, M.; Manickam, G. *Tetrahedron Lett.* **2013**, *54*, 2315-2320.
5. Palladium catalyzed decarboxylative cross coupling of heteroaryl carboxylic acid with heteroaryl-*N*-oxide through C-H activation: A facile entry to heterobiaryl-*N*-oxide, Suresh, R.; Muthusubramanian, S.; Kumaran, R. S.; Manickam, G. (**communicated**).
6. Synthesis and antibacterial studies of (*Z*)-1,3-diaryl-2-(4-aryl-1*H*-1,2,3-triazol-1-yl)prop-2-en-1-ones, Suresh, R.; Muthusubramanian, S.; Nidhin paul, Kalidhasan, N.; Shanmugaiah, V. (**communicated**).
7. Synthesis of 1-(2-aryl-3-aryl-1*H*-azirin-1-yl)-2,2,2-trifluoroethanones from vinyl azide; A facile entry to 1-aziriny derivatives. **Suresh, R.**; Muthusubramanian, S. (Manuscript under preparation).
8. A Facile and Efficient Synthesis of 1-aryl-3-benzylisoquinolines from β -hydroxyarylethanamide, **Suresh, R.**; Muthusubramanian, S. (Manuscript under preparation).

PERSONAL DETAILS

Nationality : Indian
Date of Birth : 27th July 1978.
Sex, Marital Status : Male, Married

REFERENCES...

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 Deputy Research Director,
 Syngene International Ltd, Biocon park,
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