

Dr. Thokchom Prasanta Singh

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Current Position Post Doctoral Fellow, IISER Kolkata (Dr. Raja Shunmugam) October 2014 - Present

Academics

PhD	2015
Manipur University, Imphal	
Post-Graduation (MSc)	2008
Manipur University, Imphal	
Graduation (BSc)	2006
DM College of Science, Imphal	
Higher Secondary (12th)	2003
COHSEM	
Secondary (10th)	1999
BSEM	

Awards

1. Khaidem Rajmani Singh Memorial Gold Medal Award for 1st Class 1st Position in M.Sc Chemistry in **2008**, Manipur University, Manipur.
 2. Gold Medal Award for Highest Mark in School of Science in **2008**, Manipur University, Manipur.
 3. INSPIRE Fellowship (SRF-**2013**), DST, Govt. of India.
 4. VIth HOPE Meeting sponsored by JSPS, **2014**, Tokyo, Japan.
 5. Institute Post Doctoral Fellowship (Indian Institute of Science Education and Research, Mohanpur) since 6th October, **2014**.
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Publications

Papers:

1. T. P. Singh, R. Khan, Y. R. Noh, S.-G. Lee and O. M. Singh. Indium (III) chloride mediated Michael addition of indoles to ketene S,S-acetals: Synthesis of bis- and tris-Indolyl ketones. *Bull. Korean Chem. Soc.* **2014**, 35(4), 2950-1954.
2. L. G. Chanu, T. P. Singh, Y. J. Jang, Y.-J. Yoon, O. M. Singh, and S.-G. Lee. Synthesis of Imidazo[1,2-a]pyridines and Pyrido[1,2-a]pyrimidines in Water and their SNAr Cyclizations. *Bull. Korean Chem. Soc.* **2014**, 35(4), 994-1000.
3. K. G. Sharma, T. P. Singh, N. R. Singh. Low temperature synthesis, characterization and tunable optical properties of Eu³⁺, Tb³⁺ doped CaMoO₄ Nanoparticles. *Journal of Alloys and Compounds*. **2014**, 602(25), 275–280.
4. R. Khan, T. P. Singh, M. D. Singh. Highly regioselective Diels-Alder reaction of 9-substituted anthracenes with citraconic anhydride. *Synlett*, **2014**, 25(5), 696-700.
5. N. S. Devi, T. P. Singh, N. Khumanthem, O. M. Singh. Synthesis of chromene-2-thiones and in vitro evaluation of their antifungal and antibacterial activities. *Indian Journal of Chemistry. B*, **2013**, 52, 1224-1231.
6. T. P. Singh, S. Bhattacharya, O. M. Singh. Indium/TFA-catalyzed synthesis of tetracyclic indole alkaloids, via a tandem cycloannulation of β -oxodithioester with tryptamine. *Organic Letters*, **2013**, 15, 1974-1977. (Highlighted in *Synfacts*, **2013**, 9(7), 0745)
7. O. M. Singh, L. R. Devi, T. P. Singh, H. Ila. Intramolecular cyclocondensation of α -oxoketene N,N-, N,S- and N,O-acetals: synthesis of novel pyrido[1,2-a]pyrimidinium tetrafluoroborates. *ARKIVOC*. **2011**, (ii) 297-309.
8. T. P. Singh, O. M. Singh, H. B. Singh. *Adhatoda vasica* Nees: Phytochemical and Pharmacological Profile. *The Natural Products Journal*. **2011**, 1(29), 29-39.
9. T. P. Singh, O. M. Singh. Phytochemical and pharmacological profile of *Zanthoxylum armatum* DC.—An overview. *Indian Journal of Natural Products and Resources*, **2011**, 2(3), 275-285.
10. O. M. Singh, T. P. Singh. Phytochemistry of *Solanum xanthocarpum*: an amazing traditional healer. *Journal of Scientific and Industrial Research*. **2010**, 69, 732-740.

Book Chapter:

1. T. P. Singh and O. M. Singh. *Synthesis and bioactivity of dihydropyrimidines* as Book Chapter in *Bioactive Heterocycles*, Nova Science Publishers Inc, USA, K. L. Ameta, R. P. Pawar & A. J. Domb eds, **2012**, Chapter 6, 117-135. ISBN: 978-1-62257-637-4.
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Conferences:

1. Attended the MACRO 2015: International Symposium on Polymer Science and Technology, January, 23 -26, **2015**, IACS, Kolkata.
 2. Poster presentation in VIth HOPE Meeting, March, 11-15, **2014**, Tokyo, Japan.
 3. Poster presentation in 16th CRSI National Symposium on Chemistry (NSC-16), February, 7-9, **2014**, IIT Mumbai.
 4. Poster presentation in 15th Asian Chemical Congress (15 ACC), August, 19-23, **2013**, Resorts World Sentosa, Singapore.
 5. Oral presentation in National Symposium on Recent Trends in Chemical Sciences (NSRTCS), March, 22-23, **2013**, Department of Chemistry, Manipur University, Canchipur, Manipur.
 6. Attended the Workshop on Trace Element Analysis and Radiological Sciences, March, 12-14, **2012**, Department of Chemistry, Manipur University, Canchipur, Manipur.
 7. Oral presentation in National Conference on Chemical Sciences(NCFCS), March, 20-21, **2012**, Department of Chemistry, Manipur University, Canchipur, Manipur.
 8. Poster presentation in 3rd International Conference on Heterocyclic Chemistry, December, 10-13, **2011**, Department of Chemistry, University of Rajasthan, Jaipur, Rajasthan.
 9. Presented a poster in 4th Science Conclave: A Congregation of Nobel Laureates and Eminent Scientists, November 26-December 02, **2011**, Indian Institute of Information technology, Allahabad, Uttar Pradesh.
 10. Oral presentation in V National Conference on Thermodynamics of Chemical and Biological Systems(TCBS), November, 18-19, **2010**, Department of Chemistry, Manipur University, Canchipur, Manipur.
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