

Publications in International Referred Journals from PhD Thesis

1. **Tripathi, R. K. P.** and Ayyannan, S. R. (2016), Design, synthesis and evaluation of 2-amino-6-nitrobenzothiazole-derived hydrazones as MAO inhibitors – Role of methylene spacer group. *ChemMedChem*. 11(14), 1151-1167. (Impact Factor – 2.98)
2. **Tripathi, R.K.P.**, Rai, G.K. and Ayyannan, S. R. (2016), Exploration of a library of 3,4-(methylenedioxy)aniline derived semicarbazones as dual inhibitors of monoamine oxidase and acetylcholinesterase: design, synthesis and evaluation. *ChemMedChem*. 11(11), 1145-1160. (Impact Factor – 2.98)
3. **Tripathi, R. K. P.**, Krishnamurthy, S. and Ayyannan, S. R. (2016), Discovery of 3-Hydroxy-3-phenacyloxindole Analogues of Isatin as Potential Monoamine Oxidase Inhibitors. *ChemMedChem*. 11(1), 119-132. (Impact Factor – 2.98)

Papers communicated:

4. **Tripathi, R. K. P.** and Ayyannan, S. R. “Design, synthesis and evaluation of some 2-amino-5-nitrothiazole derived semicarbazones as dual inhibitors of monoamine oxidase and acetylcholinesterase” (underway).

Abstracts Presented/Published in conferences from PhD Thesis

1. **Rati Kailash P. Tripathi** and Senthil Raja Ayyannan. 3,4-(Methylenedioxy)aniline derived semicarbazones as dual inhibitors of monoamine oxidase (MAO and acetylcholinesterase (AChE)). 6th International Symposium on Current Trends in Drug Discovery & Research (CTDDR-2016), organized by CDRI, Lucknow, 25th – 28th February, 2016.
 2. **Rati Kailash P. Tripathi**, Senthil R. Ayyannan. Synthesis and evaluation of some benzothiazole based hydrazones as potential MAO-A inhibitors. International Conference on Multifunctional Materials for Future Applications (ICMFA-2015), organized by IIT (BHU), Varanasi, 27th – 29th October, 2015.
 3. **Rati K. P. Tripathi**, Senthil R. Ayyannan. Monoamine oxidase inhibitory evaluation of some 3-substituted-3-hydroxyoxindole analogues of isatin. International Symposium on Recent Advances in Medicinal Chemistry (ISRAM – 2014), organized by NIPER, S. A. S. Nagar, 8th – 10th September, 2014.
 4. **Rati Kailash P. Tripathi**, Gopal K. Rai, Senthil R. Ayyannan. Design, synthesis and evaluation of some 6-substituted benzothiazole derived semicarbazones as monoamine oxidase inhibitors. National Symposium on Organic Synthesis and Advanced Materials (NSOSAM – 2014), organized by Department of Chemistry, Faculty of Science, BHU, Varanasi, U.P., 1st – 2nd March, 2014.
 5. **Tripathi Rati**, Ayyannan Senthil Raja. Design, synthesis, *in-vitro* and *in-silico* evaluation of some 3-hydroxy-3-phenacyloxindole analogues of isatin as MAO inhibitors. NIPiCON 2014 – International Conference on Fostering Innovation in Drug Discovery and Development, organized by Institute of Pharmacy, Nirma University, Ahmedabad, Gujarat, 23rd – 25th January, 2014.
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6. **Rati Kailash P. Tripathi**, Gopal K. Rai, Senthil Raja A. Design, synthesis, *in-vitro* biological and computational evaluation of 2-Amino-6-nitrobenzothiazole based hydrazones as potential monoamine oxidase inhibitors. 6th International RBF Symposium, organized by Zydus Research Centre, Ahmedabad, 4th – 6th February, 2013.

Publications in International Referred Journals other than Ph.D. research work

1. **Tripathi, R. K. P.**, Goshain, O. and Ayyannan, S. R. (2013), Design, Synthesis, in vitro MAO-B Inhibitory Evaluation, and Computational Studies of Some 6-Nitrobenzothiazole-Derived Semicarbazones. *ChemMedChem*. 8, 462–474. (Impact Factor – 2.98)

Abstracts Presented/Published in conferences other than PhD work

1. S. Abhimanyu, **T. Rati Kailash Prasad**, A. Senthil Raja. Anticonvulsant activity of some isomeric dimethyl substituted aryl semicarbazones. Tetrahedron Symposium Asia, Singapore, 28th – 31st October, 2014.
 2. **Rati K. Tripathi**, Senthil R. Ayyannan. Design, synthesis, *in-vitro* and computational evaluation of some N-substituted-propargylamine derivatives as MAO inhibitors. DSIN-RSC Conference – Overcoming the Bottlenecks in Drug Discovery and Development, organized by Royal Society of Chemistry and Daiichi Sankyo/Ranbaxy Research Laboratories, Gurgaon, Haryana, 20th – 21st March, 2014.
 3. **Rati K. Tripathi**, Ankita Kaushal, Shaik M. Ayyaz, Sairam K and Senthil R. Ayyannan. Synthesis, in-vitro and computational MAO-A/B inhibitory evaluation of some eugenol and vanillin derivatives. DSIN-RSC Conference – Overcoming the Bottlenecks in Drug Discovery and Development, organized by Royal Society of Chemistry and Daiichi Sankyo/Ranbaxy Research Laboratories, Gurgaon, Haryana, 20th – 21st March, 2014.
 4. Gopal K. Rai, **Rati K. P. Tripathi**, Senthil Raja A. Design, synthesis, *in-vitro* experimental and computational evaluation of some 2-Aminoquinazoline derivatives as potential MAO-A and MAO-B inhibitors. 5th International Symposium on “CTDDR-2013: Drug Development for Orphan/Neglected Diseases”, organized by CSIR-Central Drug Research Institute, Lucknow, India, 26th – 28th February, 2013.
 5. Nazmi Z, **Tripathi R. K. P.**, Acharya P. C., Raja A. S. Design, synthesis and anticonvulsant evaluation of some novel Schiff bases of 2-amino-5-[4-substituted aryloxymethyl]-1,3,4-thiadiazol-2-amines. 64th Indian Pharmaceutical Congress, organized by SRM University, Chennai, 7th – 9th December, 2012.
 6. Senthil Raja A, **Rati Kailash T** and Gopal Kumar R. Design, synthesis, antidepressant and monoamine oxidase inhibitory properties of Schiff's bases of 2-Amino-4-Chloroquinazoline. International Conference on Recent Advances in Pharmaceutical Sciences, organized by IT-BHU, Varanasi, 22nd – 23rd December, 2010.
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