

LIST OF PUBLICATIONS AND POSTER PRESENTATIONS

I. Publications

A. Publications related to thesis work

1. **Mayank Kumar Sharma**, Jatin Machhi, Prashant Murumkar, Mange Ram Yadav “A new role of phenothiazine derivatives as peripherally acting CB1 receptor antagonizing anti obesity agents” in “*Scientific Reports*” Communicated.
2. **Mayank Kumar Sharma**, Prashant R. Murumkar, Guanglin Kuang, Yun Tang, Mange Ram Yadav “Identifying the structural features and diversifying the chemical domain of peripherally acting CB1 receptor antagonists using molecular modeling techniques” in “*RSC Advances*” 2016, 6, 1466-1483.
3. **Mayank Kumar Sharma**, Prashant R Murumkar, Mahesh A Barmade, Rajani Giridhar & Mange Ram Yadav “A comprehensive patents review on cannabinoid 1 receptor antagonists as antiobesity agents” in “*Expert Opinion in Therapeutic Patents*” 2015, 25, 1093-1116.
4. **Mayank Kumar Sharma**, Prashant R. Murumkar, Rajani Giridhar, Mange Ram Yadav “Exploring structural requirements for peripherally acting 1,5-diaryl pyrazole-containing cannabinoid 1 receptor antagonists for the treatment of obesity” in “*Molecular Diversity*” 2015, 19, 871–893.
5. **Mayank Kumar Sharma**, Prashant R Murumkar, Ashish M Kanhed, Rajani Giridhar, Mange Ram Yadav “Prospective therapeutic agents for obesity: Molecular modification approaches of centrally and peripherally acting selective cannabinoid 1 receptor antagonists” in “*European Journal of Medicinal Chemistry*” 2014, 79, 298-339.

B. Publication other than thesis work

6. Atul N Khadse, **Mayank Kumar Sharma**, Prashant R Murumkar, Sadhana J Rajput, Mange Ram Yadav “Advances in the development of direct factor Xa inhibitors: a patent review” in “*Mini Reviews in Medicinal Chemistry*” Communicated.
7. Mahesh Shidore, Jatin Machhi, Kaushik Shingala, Prashant Murumkar, **Mayank Kumar Sharma**, Neetesh Agrawal, Ashutosh Tripathi, Zalak Parikh, Prakash Pillai, and Mange Ram Yadav “Benzylpiperidine-linked diarylthiazoles

- as potential anti-Alzheimer's agents-synthesis and biological evaluation" in *"Journal of Medicinal Chemistry"* 2016, 59, 5823–5846.
8. Mahesh A. Barmade, Prashant R. Murumkar, **Mayank Kumar Sharma** and Mange Ram Yadav "Medicinal Chemistry Perspective of Fused Isoxazole Derivatives" in *"Current Topics in Medicinal Chemistry"* 2016, 16, 2863-2883.
 9. Prashant R. Murumkar, Anurag C. Shinde, **Mayank Kumar Sharma**, Hideaki Yamaguchi, Pankaj B. Miniyar, Mange Ram Yadav "Development of a credible 3D-QSAR CoMSIA model and docking studies for a series of triazole and tetrazole containing 11 β -HSD1 inhibitors" in *"SAR and QSAR in Environmental Research"* 2016, 27, 265-292.
 10. Bhagyashri D. Parmar, Tushar R. Sutariya, Gaurangkumar C. Brahmhatt, Narsidas J. Parmar, Rajni Kant, Vivek K. Gupta, Prashant R. Murumkar, **Mayank Kumar Sharma**, Mange Ram Yadav "One-pot synthesis, biological evaluation, and docking study of new chromeno-annulated thiopyrano[2,3-*c*]pyrazoles" in *"Molecular Diversity"* 2016, 20, 639-657.
 11. Hitesh A. Barad, Tushar R. Sutariya, Gaurangkumar C. Brahmhatt, Narsidas J. Parmar, Irene Lagunes, José M. Padrón, Prashant Murumkar, **Mayank Kumar Sharma**, Mange Ram Yadav "A catalyst and solvent free multicomponent synthesis and docking study of some new antiproliferative N5-allylquinolylypyrido[2,3-*b*][1,4]benzodiazepinone precursors" in *"New Journal of Chemistry"* 2016, 40, 4931-4939.
 12. Mahesh A. Barmade, Prashant R. Murumkar, **Mayank Kumar Sharma**, Kaushik Shingala, Rajani Giridhar, Mange Ram Yadav "Discovery of Anti-malarial Agents Through Application of In silico Studies" in *"Combinatorial Chemistry & High Throughput Screening"* 2015, 18, 151-187.
 13. Prashant R Murumkar, **Mayank Kumar Sharma**, Rajani Giridhar, Mange Ram Yadav "Virtual screening-based identification of lead molecules as selective TACE inhibitors" in *"Medicinal Chemistry Research"* 2015, 24 226-244.
 14. Ashish M Kanhed, Vijay Pawar, Vishal Zambre, **Mayank Kumar Sharma**, Rajani Giridhar, Mange Ram Yadav Research article under revision titled as "Structural requirements for imidazo[1,2-*a*]pyrazine derivatives as Aurora A kinase inhibitors and validation of the model" in *"Medicinal Chemistry Research"* 2014, 23, 5215–5223.

II. Book chapters

1. Mahesh A. Barmade, **Mayank Kumar Sharma** “Biological Spectrum of Vicinal Diaryl-substituted Fused Heterocycles” in “*Vicinal Diaryl Substituted Heterocycles: A Gold Mine for the Discovery of Novel Therapeutic Agents*” Elsevier Publication Company, Amsterdam, Netherlands, in press
2. **Mayank Kumar Sharma**, Rahul Ghuge “Chemical and Biological Profiles of Vicinal Diaryl-substituted Thiophenes, Imidazolines, Selendiazoles and Isoselenazoles” in “*Vicinal Diaryl Substituted Heterocycles: A Gold Mine for the Discovery of Novel Therapeutic Agents*” Elsevier Publication Company, Amsterdam, Netherlands, in press

III. Poster presentations

1. **Mayank Kumar Sharma**, Prashant R. Murumkar, Rajani Giridhar and Mange Ram Yadav “Exploration of essential features for peripherally acting CB1 receptor antagonists using pharmacophore modeling” in 15th Tetrahedron Symposium- Asia Edition at Singapore during October 2014.
2. **Mayank Kumar Sharma**, Prashant R. Murumkar, Rajani Giridhar and Mange Ram Yadav “Identification of novel scaffolds of peripherally acting CB1 receptor antagonists based on virtual screening” in 15th Tetrahedron Symposium- Asia Edition at Singapore during October 2014.
3. Prashant R Murumkar, Yogesh Patil, **Mayank Kumar Sharma**, Rajani Giridhar and Mange Ram Yadav “Pharmacophore model development for mixed centrally and peripherally acting CB1 receptor antagonists and identification of novel scaffolds on the basis of virtual screening” in 15th Tetrahedron Symposium- Asia Edition at Singapore during October 2014.
4. **Mayank Kumar Sharma**, Prashant R. Murumkar, Rajani Giridhar and Mange Ram Yadav “Virtual screening based discovery of lead molecules as selective TACE inhibitors” in 65th Indian Pharmacy Congress (IPC) at Amity University, Delhi during December 2013.
5. **Mayank Kumar Sharma**, Uttam Mane, Prashant R. Murumkar, D. Sahal, Rajani Giridhar and Mange Ram Yadav “Synthesis and biological evaluation of some novel pyrido[1,2-*a*]pyrimidin-4-ones as antimalarial agents” in 65th Indian Pharmaceutical Congress (IPC) at Amity University, Delhi during December 2013.