LIST OF PUBLICATIONS

1. **Prashant R Murumkar**, Rajani Giridhar and M. R. Yadav, "3D-QSAR studies on Benzothiadizapin Hydroxamate as Inhibitors of TNF-α converting enzyme," *Chemical Biology and Drug Design*, **2008**, 71, 363-373.

2. **Prashant R. Murumkar**, ShirshenduDas Gupta, Vishal P. Zambre, Rajani Giridhar and M. R. Yadav, "Development of Predictive 3D-QSAR CoMFA and CoMSIA Models for β-aminohydoxamic acid-derived TNF-α converting enzyme inhibitors," *Chemical Biology and Drug Design*, **2009**, 73, 97-107.

3. Shirshendu DasGupta, **Prashant Murumkar**, Rajani Giridhar and Mange Ram Yadav, "Current Perspective of TACE Inhibitors: A Review, *Bioorganic and Medicinal Chemistry*," **2009**, 17, 444-459.

4. Shirshendu DasGupta, **Prashant R Murumkar**, Rajani Giridhar and Mange Ram Yadav, "Studies on novel 2-imidazolidinones and tetrahydropyrimidin-2(1*H*)-ones as potential TACE inhibitors: Design, synthesis, molecular modeling, and preliminary biological evaluation," *Bioorganic and Medicinal Chemistry*, **2009**, 17, 3604-3617.

5. **Prashant Revan Murumkar**, Shirshendu DasGupta, Vishal Prakash Zambre, Rajani Giridhar and Mange Ram Yadav, "Development of Predictive Pharmacophore Model for in silico Screening and 3D QSAR for Lead Optimization for Designing of Potent Tumor Necrosis Factor Alpha Converting Enzyme Inhibitors," *Journal of Computer Aided Drug Design*, **2010**, 24, 143-156.

6. **Prashant R Murumkar**, Shirshendu DasGupta, Sneha R. Chandani, Rajani Giridhar and Mange Ram Yadav, "Novel TACE inhibitors in drug discovery: A review of patented compounds," *Expert Opinion in Therapeutic Patents*, **2010**, 20, 31-57.

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9. **Prashant Revan Murumkar**, Vishal Prakash Zambre, and Mange Ram Yadav, "From Benchtop to Desktop: An Overview of the role of *In Silico* methods in Drug Discovery Process," Manuscript under preparation.

Book Chapters

1. Mange Ram Yadav, Shirshendu Das Gupta, **Prashant R. Murumkar**, Rajani Giridhar, "Small Molecule Selective TACE Inhibitors: Potential Therapeutic Agents," In Advances in Medicine and Biology; Berhardt, L.V., Eds.; Nova Science Publisher, Hauppauge NY; USA, 2010; Vol. 3, In Press.

2. Mange Ram Yadav, **Prashant R. Murumkar**, Vishal P. Zambre, "Advances in Studies on Collagenase Inhibitors," Manuscript under preparation to be published in Experientia Supplementum, Springer Publication.