List of Publications

Journal Publications (12)

1. Rahul P. Gangwal, Mangesh V. Damre, Nihar R. Das, Gaurao V. Dhoke, Anuseema Bhadauriya, Rohith A. Varikoti, Shyam S. Sharma, Abhay T. Sangamwar: *Structure based virtual screening to identify selective phosphodiesterase 4B inhibitors*. Journal of Molecular Graphics and Modelling 01/2015; DOI:10.1016/j.jmgm.2015.01.007

2. Rahul P Gangwal, Mangesh V Damre, Nihar R Das, Shyam S Sharma, Abhay T Sangamwar: *Biological evaluation and structural insights for design of subtype-selective peroxisome proliferator activated receptor-α (PPAR-α) agonists*. Bioorganic & Medicinal Chemistry Letters 11/2014; 25(2). DOI:10.1016/j.bmcl.2014.11.052

3. Kanchan Khandelwal, Rahul Prakashchand Gangwal, Udghosh Singh, Rameshwar Prajapati, Mangesh V Damre, Abhay T Sangamwar: *Computational insights into the active site of human breast cancer resistance protein (BCRP/ABCG2): a similarity search approach*. Medicinal Chemistry Research 05/2014; 23(11). DOI:10.1007/s00044-014-1035-8

4. Nihar R Das, Rahul P Gangwal, Mangesh V Damre, Abhay T Sangamwar, Shyam S Sharma: *A PPAR-βδ Agonist is Neuroprotective and Decreases Cognitive Impairment in a Rodent Model of Parkinson's Disease.*. Current neurovascular research 03/2014; DOI:10.2174/1567202611666140318114037

5. Dedeepya Uppalapati, Nihar R Das, Rahul P Gangwal, Mangesh V Damre, Abhay T Sangamwar, Shyam S Sharma: *Neuroprotective Potential of Peroxisome Proliferator Activated Receptor-α Agonist in Cognitive Impairment in Parkinson's Disease: Behavioral, Biochemical, and PBPK Profile*. PPAR Research 02/2014; 2014:753587. DOI:10.1155/2014/753587

6. Rahul P Gangwal, Nihar R Das, Kaushik Thanki, Mangesh V Damre, Gaurao V Dhoke, Shyam S Sharma, Sanyog Jain, Abhay T Sangamwar: *Identification of p38α MAP kinase inhibitors by pharmacophore based virtual screening.*. Journal of molecular graphics & modelling 01/2014; 49C:18-24. DOI:10.1016/j.jmgm.2014.01.002

7. MV Damre, RP Gangwal, GV Dhoke, Manisha Lalit, Dipna Sharma, Kanchan Khandelwal, AT Sangamwar: *3D-QSAR and molecular docking studies of amino-pyrimidine derivatives as PknB inhibitors*. Journal of the Taiwan Institute of Chemical Engineers 06/2013; 45(2). DOI:10.1016/j.jtice.2013.05.016

8. Rahul P. Gangwal, Gaurao V. Dhoke, Mangesh V. Damre, Kanchan Khandelwal, Abhay T. Sangamwar: *Structure based virtual screening and molecular dynamic simulation studies to identify novel cytochrome bc1 inhibitors as antimalarial agents*. 06/2013; DOI:10.1155/2013/637901

9. Manisha Lalit, Rahul P. Gangwal, Gaurao V. Dhoke, Mangesh V. Damre, Kanchan Khandelwal, Abhay T. Sangamwar: *A combined pharmacophore modeling, 3D-QSAR and molecular docking study of substituted bicyclo-[3.3.0]oct-2-enes as liver receptor homolog-1 (LRH-1) agonists*. Journal of Molecular Structure 06/2013; 1049. DOI:10.1016/j.molstruc.2013.06.035

10. Rahul P Gangwal, Anuseema Bhadauriya, Mangesh V Damre, Gaurao V Dhoke, Abhay T Sangamwar: *p38 Mitogen-Activated Protein Kinase Inhibitors: A Review On Pharmacophore Mapping and QSAR Studies.*. Current topics in medicinal chemistry 05/2013; DOI:10.2174/1568026611313090005

11. Anuseema Bhadauriya, Gaurao V. Dhoke, Rahul P. Gangwal, Mangesh V. Damre, Abhay T. Sangamwar: *Identification of dual Acetyl-CoA carboxylases 1 and 2 inhibitors by pharmacophore based virtual screening and molecular docking approach*. Molecular Diversity 01/2013; DOI:10.1007/s11030-013-9425-2

12. Udghosh Singh, Rahul Prakashchand Gangwal, Gaurao V. Dhoke, Rameshwar Prajapati, Mangesh V. Damre, Abhay T. Sangamwar: *3D-QSAR and Molecular Docking Analysis of (4-Piperidinyl)-Piperazines as Acetyl-CoA Carboxylases Inhibitors*. Arabian Journal of Chemistry 11/2012; 272. DOI:10.1016/j.arabjc.2012.10.023

Book Chapters (1)

1. Rahul P. Gangwal, Mangesh V. Damre: *Book Chapter: Overview and Recent Advances in QSAR Studies*. Chemometrics Applications and Research QSAR in Medicinal Chemistry, Edited by Andrew G. Mercader, Pablo R. Duchowicz, P. M. Sivakumar, 07/2015: chapter Overview and Recent Advances in QSAR Studies: pages Approx 423pp+index; Apple Academic Press., ISBN: 9781771881135