

List of Publications

A. Research/Review Papers

1. **Nirav R Patel**, Dushyant V Patel, Ashish M Kanhed, Sagar P Patel, Kirti V Patel, Daniel K Afosah, Umesh R Desai, Rajshekhar Karpoormath, Mange Ram Yadav. 2-Aminobenzamide-Based Factor Xa Inhibitors with Novel Mono-and Bi-Aryls as S4 Binding Elements. *ChemistrySelect*, **2019**, *4*, 802-809.

2. **Nirav R Patel**, Dushyant V Patel, Prashant R Murumkar, Mange Ram Yadav. Contemporary developments in the discovery of selective factor Xa inhibitors: a review. *European journal of medicinal chemistry*, **2016**, *121*, 671-698.

3. Dushyant V Patel, **Nirav R Patel**, Ashish M Kanhed, Divya M Teli, Kishan B Patel, Prashant D Joshi, Sagar P Patel, Pallav M Gandhi, Bharat N Chaudhary, Navnit K Prajapati, Kirti V Patel, Mange Ram Yadav. "Novel carbazole-stilbene hybrids as multifunctional anti-Alzheimer agents." *Bioorganic Chemistry*, **2020**, 103977.

4. Dushyant V Patel, **Nirav R Patel**, Ashish M Kanhed, Sagar P Patel, Anshuman Sinha, Deep D Kansara, Annie R Mecwan, Sarvangee B Patel, Pragnesh N Upadhyay, Kishan B Patel, Dharti B Shah, Navnit K Prajapati, Prashant R Murumkar, Kirti V Patel, Mange Ram Yadav. Novel Multitarget Directed Triazinoindole Derivatives as Anti-Alzheimer Agents. *ACS chemical neuroscience*, **2019**, *10*, 3635-3661.

5. Riyaj S Tamboli, Mahesh M Shidore, Radha Charan Dash, Ashish M Kanhed, **Nirav R Patel**, Shailesh R. Shah, and Mange Ram Yadav. "Improved Rapid and Green Synthesis of N-Aryl Piperazine Hydrochlorides Using Synergistic Coupling of Hydrated Task Specific

Ionic Liquid ([BbIm]OH) and Microwave Irradiation." *ChemistrySelect*, **2019**,*4*, 1138-1148.

B. Book Chapters

- 1. Nirav R Patel, Dushyant V Patel.** "*Synthesis and Biological Activities of Vicinal Diaryl Furans*". in: *Vicinal Diaryl Substituted Heterocycles. A Gold Mine for the Discovery of Novel Therapeutics Agents*. Edt: M. R. Yadav et. al., *Elsevier*, **2018**, Chapter-8, pp. 221-244.
- 2. Dushyant V Patel, Nirav R Patel.** "*Vicinal Diaryl Thiazoles and Thiadiazoles*". in: *Vicinal Diaryl Substituted Heterocycles. A Gold Mine for the Discovery of Novel Therapeutics Agents*. Edt: M. R. Yadav et. al., *Elsevier*, **2018**, Chapter-8, pp. 245-276.