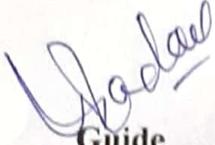
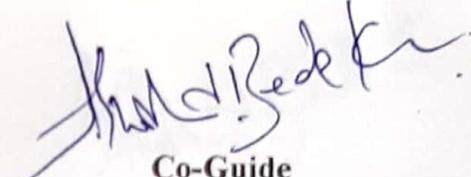


CERTIFICATE

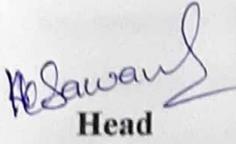
This is to certify that the thesis entitled, "**Design and Development of Novel Potential Therapeutics for Alzheimer's Disease**" submitted for the award of Ph. D. Degree in Pharmacy by Mr. Dushyantkumar Vishnubhai Patel incorporates the original research work carried out by him under our supervision and no part of this work has been previously submitted for any degree.


Guide

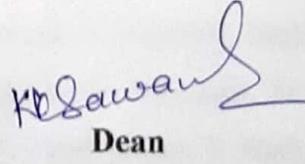
(Prof. M. R. Yadav)


Co-Guide

(Prof. Ashutosh. V. Bedekar)


Head

Pharmacy Department


Dean

Faculty of Pharmacy,
The Maharaja Sayajirao University of Baroda,
Vadodara - 390001



CERTIFICATE

This is to certify that the following publications have arisen out of the research work carried out by our Ph.D. student Mr. Patel Dushyantkumar Vishnubhai who is submitting his thesis entitled, "**Design and Development of Novel Potential Therapeutics for Alzheimer's Disease**" to The Maharaja Sayajirao University of Baroda, Vadodara for the award of Ph.D. degree in Pharmacy.

Prof. M. R. Yadav
Research Guide

Prof. Ashutosh V. Bedekar
Research Co-Guide

PUBLICATIONS

A. Research/Review Papers

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

3. 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.

B. Book Chapters

1. **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.
2. 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.