

(Appendix-1)

**A: List of Publications by Dr. H. M. Patel:**

I. Peer-Reviewed Research Papers

- (1) Hydroxyl Alkyl Ammonium Ionic liquid assisted Green and One-pot regioselective access to Functionalized Pyrazolodihydropyridine core and their pharmacological evaluation. Divyang M Patel, Mayank G Sharma, Raturajsinh M Vala, Irene Lagunes, Adrián Puerta, José M Padrón, Dhanji P Rajani, Hitendra M Patel, *Bioorganic chemistry*, 86,2019,137-150.
- (2) A Practical Green Visit to the Functionalized [1,2,4]Triazolo[5,1- b ]quinazolin-8(4 H )one Scaffolds Using the Group-Assisted Purification (GAP) Chemistry and Their Pharmacological Testing. DM Patel, RM Vala, MG Sharma, DP Rajani, HM Patel, *ChemistrySelect*, 4(3) ,2019, 1031-1041
- (3) Anti- Proliferative 1,4- Dihydropyridine and Pyridine Derivatives Synthesized through a Catalyst- Free, One- Pot Multi- Component Reaction. Mayank G. Sharma, Raturajsinh M. Vala, Divyang M. Patel, Irene Lagunes, Miguel X. Fernandes, Dr. José M. Padrón, Venkatachalam Ramkumar, Dr. Ramesh L. Gardas, Prof. Hitendra M. Patel, *ChemistrySelect* **3(43)**, 2018, 12163–12168
- (4) Synthesis, molecular docking and biological evaluation of Mannich products based on thiophene nucleus using ionic liquid. Hitendra M. Patel\*, Dhanji P Rajani, Mayank G. Sharma, Hardik G Bhatt. *Letters in Drug Design & Discovery*, 15(10) 2018.
- (5) Synthesis, Characterizations and Microbial Studies of Novel Mannich Products Using Multicomponent Reactions., Hitendra M. Patel, *Current Bioactive Compounds*.14(3), 278-288, 2018.
- (6) Green approach for synthesis of bioactive Hantzsch 1,4-dihydropyridine derivatives based on thiophene moiety via multicomponent reaction. Sharma Sharma M.G, Rajani D.P., Patel H.M.\*, *Royal Society Open Science*, 4 (6) 2017.
- (7) Facile synthesis and biological evaluation of new Mannich products as potential antibacterial, antifungal and antituberculosis agents: Molecular docking study., Hitendra M. Patel\*, Kinjal D. Patel, Hitesh D. Patel, *Current Bioactive Compounds*, 13(1),2017.
- (8) Synthesis of New Mannich Products Bearing QuinolineNucleous Using Reusable Ionic Liquid and Antitubercular Evaluation.,Hitendra M. Patel,*Green and Sustainable Chemistry*, **5**, 137-144, 2015.
- (9) Solvent-free synthesis of mannich products catalyzed by ethyl ammonium Nitrate as reusable ionic liquid and there in vitro microbial studies., Hitendra M. Patel,*International Journal of Recent Scientific Research*, **5(10)**, 1799-1805, 2014.
- (10) Design, synthesis and biological evaluation of new Mannich products using ethyl

ammonium nitrate as reusable ionic liquid., Hitendra M. Patel, *IOSR Journal of Applied Chemistry*, **7(8)**, Ver. II., 40-47, 2014.

- (11) Synthesis, Characterization and Dyeing Assessment of Novel Bisazo-Acid Dyes Derived from 2-hydroxy-4-Methoxy benzophenone-5-sulphonic acid., Hitendra M. Patel, *International Journal of Scientific & Engineering Research*, **5(1)**, 2213-2217, 2014.
- (12) Synthesis, structure investigation and dyeing assessment of novel bisazo disperse dyes derived from u v absorbing material. Hitendra M. Patel, *IOSR Journal of Applied Chemistry*, **6(5)**, 51-55, 2014.
- (13) Synthesis, characterization and application of some novel mordent and heterocyclic disperse dyes based on polyester and wool fibers., Hitendra M. Patel, *Orbital – The Electronic Journal of Chemistry*, **4(3)**, 159-170, 2012.
- (14) Synthesis, characterization and dyeing behaviour of heterocyclic acid dyes and mordent acid dyes on wool and silk fabrics., Hitendra M. Patel, *J. Serb. Chem. Soc.*, **77(11)**, 1551-1560, 2012.
- (15) Material applications of novel heterocyclic disperse and mordent dyes based on 2-Butyl-3-(4-hydroxybenzoyl)benzofuran, Hitendra M. Patel, *Journal of Advances in Applied Science Research*, **3(1)**, 235-241, 2012.
- (16) The synthesis, antimicrobial activity and absorption studies of some novel heterocyclic dyes based on 4-hexylbenzene-1,3-diol., Hitendra M. Patel, *European journal of Chemistry*, **3(1)**, 44-50, 2012.
- (17) Dyeing Assessment of Some Novel Mordent and Heterocyclic Disperse Dyes based on Dihydrobenzofuran Derivatives on to Polyester and Wool Fibers., Hitendra M. Patel, *Der ChemicaSinica*, **3(1)**, 175- 181, 2012.
- (18) Synthesis, Characterization and Application of Some Novel Mordent and Heterocyclic Disperse Dyes based on 2-Butyl-3-(4-hydroxybenzoyl) benzofuran., Hitendra M. Patel, *Der ChemicaSinica*, **2(6)**, 89-96, 2011.
- (19) Synthesis, characterization and dyeing assessment of novel acid azo dyes and mordent acid azo dyes based on 2-hydroxy-4-methoxybenzophenone-5-sulfonic acid on wool and silk fabrics, Hitendra M. Patel, Bharat C. Dixit, *Journal of Saudi Chemical Society*, **18(5)**, 507-512, 2014.
- (20) Synthesis, Characterization and Printing Application of Solvent Dyes Based on 2-Hydroxy-4-n-octyloxybenzophenone., Hitendra M. Patel, Bharat C. Dixit, *E-Journal of Chemistry*, **8(2)**, 615-620, 2011.
- (21) Material Applications of Novel Disperse and Mordent Azo Dyes based on 2-Hydroxy-4-Methoxy benzophenone., Hitendra M. Patel, Bharat C. Dixit, *Asian Journal of Chemistry*

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- (22) Synthesis, characterization and dyeing assessment of novel acid azo dyes and mordent acid azo dyes based on 2-hydroxy-4-methoxybenzophenone on wool and silk fabrics.,Hitendra M. Patel, Bharat C. Dixit, Ritu B. Dixit and Dhirubhai J. Desai, *Journal of Serb. Chem. Soc.*, **75(5)**, 605-614, 2010.
- (23) Studies on dyeing performance of novel acid azo dyes and mordent acid azo dyes based on 2,4-dihydroxybenzophenone., Hitendra M. Patel, Bharat C. Dixit, Dhirubhai J. Desai and Ritu B. Dixit, *E-journal of chemistry*, **6(2)**, 315-322, 2009.
- (24) Synthesis and application of new mordent and disperse azo dyes based on 2, 4-dihydroxybenzophenone., Hitendra M. Patel, Bharat C. Dixit and Dhirubhai J. Desai, *Journal of Serb. Chem. Soc.*,**72**, 119-127, 2007.

## II. Published Books:

<b>Sr. No.</b>	<b>Title of the Book</b>	<b>Publisher</b>
1	Synthetic Dyes and Their Applications (Part - 1)	LAP LAMBERT Academic Publishing GmbH & Co.,Germany <b>ISBN:978-3-8473-4584-8</b>
2	Synthetic Dyes and Their Applications (Part - 2)	LAP LAMBERT Academic Publishing GmbH & Co.,Germany <b>ISBN:978-3-8484-3761-0</b>
3	Study Guide To Chemistry For (First year B. Sc.)	LAP LAMBERT Academic Publishing GmbH & Co.,Germany <b>ISBN: 978-3-659-26367-5</b>