

Faculty of Pharmacy

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Vision — 'To serve with high quality education for development of students as competent pharmacy professionals for the upliftment of socioeconomic status in rural areas'

List of the books and Chapters in edited volumes

3.3.2 Number of books and chapters in edited volumes/books published and paper published

National/international conference proceeding per teacher during the last 5 years

Sr.No	Name of the Teachers	Title of the book/Chapters Published	Name of Publishers
		Publishing Year 2017-18	
1	Mr. Sachin J Anbhule	Pharmaceutical Analysis-II	Success Publications
2	Dr. Sandesh R. Wayal	Pharmacognosy and phytochemistry -I	Thakur Publication Pvt.Ltd
3	Mr. Sachin J Anbhule	Medicinal Chemistry-II	Success Publications
	1	2021-22	
1	Mr. Sachin J Anbhule	Practical book of pharmaceutical inorganic chemistry	Brilliant Publication
2	Dr. Sunil A Nirmal	Current advances in Chemistry and biochemistry vol 4	B P International
		biochemistry voi 4	

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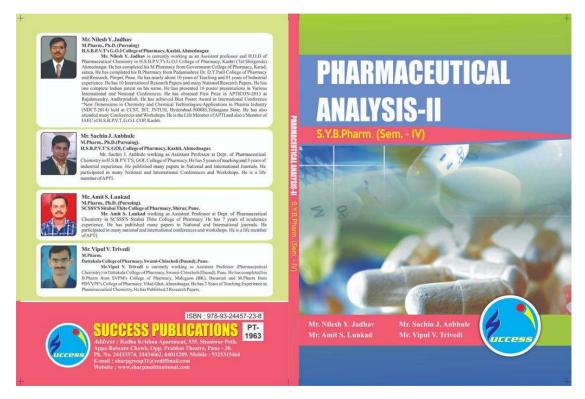
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Additional documents of book chapters published

Publishing Year 2017-18

Auther- Mr. Sachin J Anbhule

ISBN-9789324457238







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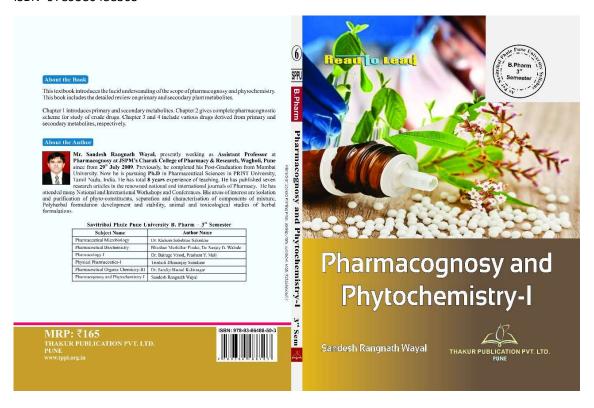
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Publishing Year 2017-18

Auther- Dr. Sandesh R. Wayal

ISBN-9789386488503







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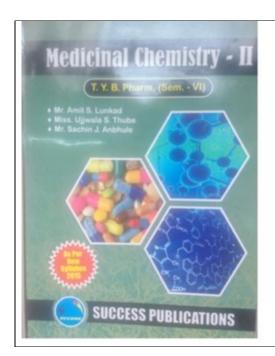
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Publishing Year 2017-18

Auther- Mr. Sachin J Anbhule

ISBN-9789324457254









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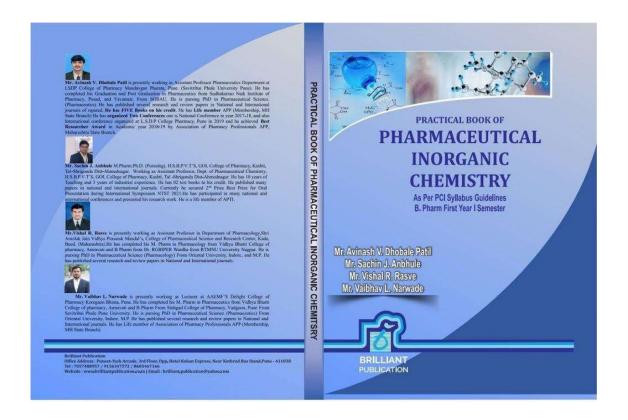
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Publishing Year 2021-22

Auther- Mr. Sachin J Anbhule







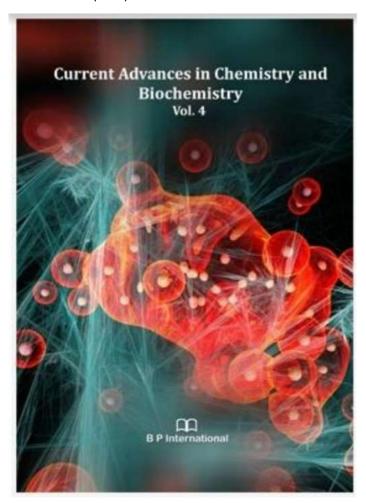
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Auther- Dr. Nirmal Sunil

ISBN No- ISBN 978-93-90888-00-9 (Print)







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Chapter 6

Print ISBN: 978-93-90888-00-9, eBook ISBN: 978-93-90768-97-4

Research on Synthesis and Anti Convulsant Activity of Novel Oxadiazole Substituted Phenothiazine Derivatives

N. S. Dighe^{1*}, A. A. Bankar¹, D. S. Musmade² and S. A. Nirmal³

DOI: 10.9734/bpi/cacb/v4/1783F

ABSTRACT

The purpose of this research is directed towards the synthesis and evaluation of novel agents for the treatment of a variety of neurological disorders. In the past, the phenothiazine nucleus has been thoroughly investigated for various biological activities. The oxadiazole substituted phenothiazine has piqued interest as a potential treatment for a variety of neurological disorders. In light of these findings, researchers attempted to synthesise substituted phenothiazine and test them for anticonvulsant activity. Strychnine and 4-aminopyridine mediated models were used to test the anticonvulsant efficacy of synthesised compounds. These compounds can be used for ligand based drug designing purpose by which exact molecular mechanism responsible for showing anti-convulsant effect can be explored in future.

Keywords: Anticonvulsant activity; strychnine induced model; thiosemicarbazide induced model; 4-amino pyridine induced model; neurotoxicity screening.

1. INTRODUCTION

A convulsion is a medical disorder in which the body's muscles contract and relax quickly and regularly, causing the body to shake uncontrollably. Since a convulsion is often a symptom of an epileptic seizure, it is often used interchangeably with seizures [1-3]. However, not all epileptic seizures cause convulsions, and epileptic seizures do not always cause convulsions. Electric shock and improper Enriched Air scuba diving can also cause convulsions [4]. When nerve cells in the brain

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Contents Preface Chapter 1 1-6 Low-Frequency Acoustic Action on the Kinetics and Mechanism of First-Order and Bimolecular Chemical Reactions in a Structured Liquid Phase T. P. Kulagina, L. P. Smirnov and Z. S. Andrianova Chapter 2 7-15 Evaluation of Glycan Compound from Swiftlet's Edible Nest (Aerodramus fuciphagus) as Potential Prebiotic Material Nur 'Aliah Daud, Salma Mohamad Yusop, Seng Joe Lim and Abdul Salam Babji 16-23 Determination of Antioxidative and ACE-inhibitory Activities from Red Tilapia Protein Hydrolysates Generated by Alcalase and Thermolysin Nur 'Aliah Daud, Abdul Salam Babji and Salma Mohamad Yusop 24-42 Developments in Miniaturization of Gas Chromatography Waldemar Wardencki and Z. Witkiewicz Chapter 5 43-53 Simultaneous Determination of Ofloxacin and Tinidazole from Pharmaceutical Dosage Formulation by Two Spectrophotometric Methods Pralhad Rege, Vaibhav Salvi and Abhishek Tiwari Chapter 6 54-60 Research on Synthesis and Anti Convulsant Activity of Novel Oxadiazole Substituted Phenothiazine Derivatives N. S. Dighe, A. A. Bankar, D. S. Musmade and S. A. Nirma





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List of papers Published in national / international conferences

Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five year

C 11	A. C.I.	T::1 5:1 . /w.l: /o 5	10.6
Sr.No	Name of the presenter	Title of the poster/Webinar/Conference	Name of Conference
		2017-18	
1	Mr. Jaydeep B Pawar	In-vitro study of natural gum based	International
		buccoadeshive tablet of antiemetic drug	conference of
			pharmaceutical
			eduction academia
			relation to industry
			current scenario at
			javaharlal nehru
			auditorium hydrabad

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Sr.No	Name of the presenter	Title of the poster/Webinar/Conference	Name of Conference		
	2018-19				
1	Dr. Sandesh wayal	Advanced chemical and structural biology	Poster presentation in the international conference PRIST University chennai		

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Sr.No	Name of the presenter	Title of the poster/Webinar/Conference	Name of Conference
		2019-20	I
1	Ms. Ankita Giramkar	Pharmacological perspective in new drug development	Poster presentation loknete balsaheb vikhe patil pravara rural education society
2	Dr. Sandesh Wayal	International Conference on "Innovations in Pharmaceutical Technology"	MET Bhujbal Knowledge City, Nashik

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Sr.No	Name of the presenter	Title of the poster/Webinar/Conference	Name of Conference
		2020-21	
1	Ms. Ankita Giramkar	Transforming global health;Role of pharmacist	National level poster competition Dr. Babasaheb Ambedkar technological university lonere raigad
2	Mr. Jaydeep Pawar	International Poster presentation seminar on Tobacco and tuberculosis	International Poster presentation seminar on Tobacco and tuberculosis shardaba pawar institute of pharmaceutical science and reserch baramati

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Sr.No	Name of the presenter	Title of the poster/Webinar/Conference	Name of Conference		
	A.Y.2021-22				
	Nil	Nil	Nil		
1					

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Additional documents of paper presented conference proceedings

A.Y. 2017-18

Auther- Jaydeep B Pawar



CEU099	Jaydeep B. Pawar	IN VITRO STUDY OF NATURAL GUM BASED BUCCOADHESIVE TABLETS OF ANTIEMETIC DRUG	S-12
CEU111	Y. Vamshi Vishnu	FOMULATION AND EVALUATION OF RESPERIONE EXTENDED RELEASE TABLETS	S-13
CEU133	Addanki Anusha	SMART POLYMERS IN DRUG DELIVERY	S-14
CEU134	Mummaneni Swathi	A COMPREHENSIVE REVIEW ON NOVEL MICROSPONGES DRUG DELIVERY APPROACH	S-15
CHE002	Channamma M.	EVALUATION OF ANTI-INFLAMMATORY ACTIVITY OF SUBSTITUTED BENZOFURAN DERIVATIVES	S-16
СНЕ003	G.L. David Krupadanam	SYNTHESIS OF 5-(((2,2-DIMETHYLCHROMAN-4-YL)OXY)METHYL)-3-PHENYL ISOXAZOLES, 1-BENZYL-4-(((2,2-DIMETHYLCHROMAN-4-YL)OXY)METHYL)-1H-1,2,3-TRIAZOLES AND 4-(((2,2-DIMETHYLCHROMAN-4-YL)OXY)METHYL)-1-PHENYL-1H-1,2,3-TRIAZOLES	S-17

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A.Y. 2018-19

Auther- Dr. Sandesh Wayal







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A.Y. 2019-20

Auther- Ms. Ankita Giramkar







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Auther- Ms. Ankita Giramkar







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Mr. Jaydeep Pawar







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A.Y. 2021-22

NIL

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