



VIGNAHARATA TRUST

**SHIVAJIRAO S. JONDHLE COLLEGE OF PHARMACY, ASANGAON.**

TAL.- SHAHAPUR, DIST.- THANE (M.S.) -421 601

Approved by AICTE, New Delhi, Recog. by Govt. of Maharashtra & PCI - New Delhi

**Affiliated to MSBTE & University of Mumbai**

02527-272399 | Mob: 9594962018 | [ssjcop3241@gmail.com](mailto:ssjcop3241@gmail.com)

**P13. List of faculty publications along with DOIs and Publication/Citation details**

Sr. No	Name of Faculty	Title	Journal	Details	Link to article / paper / abstract of the article
1.	Dr. Nitin C. Mohire	1. Formulation, design and optimization of antidiabetic drug loaded microspheres	Pollymer Bulletin, 2022	0170-0839	<a href="https://www.springer.com/journal/289">https://www.springer.com/journal/289</a>
		2. Review on Imidazole: A Promising Moiety in Medicinal Chemistry	International Journal of Pharmaceutical Science and Research, 2023	2455-4685	<a href="https://www.pharmacyjournal.in/assets/archives/2022/vol7issue2/7-2-19-760.pdf">https://www.pharmacyjournal.in/assets/archives/2022/vol7issue2/7-2-19-760.pdf</a>
		3. Sterilization and Disinfection techniques	International Journal of All Research Education and Scientific Methods (IJARESM), 2023	2455-6211	<a href="https://www.ijaresm.com/sterilization-and-disinfection-techniques">https://www.ijaresm.com/sterilization-and-disinfection-techniques</a>
		4. Antiepileptic Agents	International Journal of All Research Education & Scientific Methods, 2023	2455-6211	<a href="https://www.ijaresm.com/antiepileptic-agents">https://www.ijaresm.com/antiepileptic-agents</a>
		5. A Review on Adverse Drug Reaction reporting.	International Journal of All Research Education and Scientific Method, 2023	2455-6211	<a href="https://www.ijaresm.com/uploaded_files/document_file/Dnya">https://www.ijaresm.com/uploaded_files/document_file/Dnya</a>



VIGNAHARATA TRUST

**SHIVAJIRAO S. JONDHLE COLLEGE OF PHARMACY, ASANGAON.**

TAL.- SHAHAPUR, DIST.- THANE (M.S.) -421 601

Approved by AICTE, New Delhi, Recog. by Govt. of Maharashtra & PCI - New Delhi

**Affiliated to MSBTE & University of Mumbai**

02527-272399 | Mob: 9594962018 | [ssjcop3241@gmail.com](mailto:ssjcop3241@gmail.com)

					neshwari_Sopan_Nipurteh45u.pdf
		6. IQ OQ PQ	"International Journal of All Research Education & Scientific Methods, 2023	2249-7781	<a href="https://www.ijaresm.com/products/download_document/document_file/Sayali_Janardan_Bhere78KT.pdf">https://www.ijaresm.com/products/download_document/document_file/Sayali_Janardan_Bhere78KT.pdf</a>
		7. Aromatic Allies: Herbal Essential Oils in the Fight Against Sinusitis	Journal of Emerging Technologies and Innovative Research, 2023	2349-5162	<a href="https://www.jetir.org/papers/JETIR2312636.pdf">https://www.jetir.org/papers/JETIR2312636.pdf</a>
		8. Pharmacological Significance of Oxazole Moiety	"International Journal of Emerging Technologies and Innovative, 2023	2349-5162	<a href="https://www.jetir.org/download.php?file=JETIR2312646.pdf">https://www.jetir.org/download.php?file=JETIR2312646.pdf</a>
		9. Decoding the Potential of Different Nanocarriers to Deliver the Colchicum Autumnale for the Treatment of Gout	International Journal of All Research Education and Scientific Methods, 2023	2455-6211	<a href="https://www.ijaresm.com/products/download_document/document_file/Dr_Manisha_Nangude8RsA.pdf">https://www.ijaresm.com/products/download_document/document_file/Dr_Manisha_Nangude8RsA.pdf</a>
		10. A Review on HVAC System	International Journal of All Research Education and Scientific Methods (IJARESM), 2023	2455-6211	<a href="https://www.ijaresm.com/products/download_document/document_file/Jagruti_Padman_Bhoi">https://www.ijaresm.com/products/download_document/document_file/Jagruti_Padman_Bhoi</a>



VIGNAHARATA TRUST

**SHIVAJIRAO S. JONDHLE COLLEGE OF PHARMACY, ASANGAON.**

TAL.- SHAHAPUR, DIST.- THANE (M.S.) -421 601

Approved by AICTE, New Delhi, Recog. by Govt. of Maharashtra & PCI - New Delhi

**Affiliated to MSBTE & University of Mumbai**

02527-272399 | Mob: 9594962018 | [ssjcop3241@gmail.com](mailto:ssjcop3241@gmail.com)

		11. Development and characterization of <i>Tinospora cordifolia</i> extract-loaded SLNs for the treatment of autoimmune hepatitis	WJARR, 2023	2581-9615	rC9Ad.pdf <a href="https://wjarr.com/">https://wjarr.com/</a>
2.	<b>Mr. Ganeshmal D. Chaudhari</b>	Design, Formulation and Evaluation of Extended Release Tablet Containing Nisoldipine	OMMEGA PUBLISHERS, December 27, 2018	ISSN: 2377-1313	-
3.	<b>Mrs. Bharti S. Tribhuvane</b>	Pharmacological Activity of <i>Bauhinia Purpurea</i> L. Flower	IJNRD, Vol.XIII, March 2023	ISSN: 2456-4184	-





VIGNAHARATA TRUST

SHIVAJIRAO S. JONDHLE COLLEGE OF PHARMACY, ASANGAON.

TAL.- SHAHAPUR, DIST.- THANE (M.S.) -421 601

Approved by AICTE, New Delhi, Recog. by Govt. of Maharashtra & PCI - New Delhi

Affiliated to MSBTE & University of Mumbai

02527-272399 | Mob: 9594962018 | [ssjcop3241@gmail.com](mailto:ssjcop3241@gmail.com)



## International Journal of All Research Education & Scientific Methods

An ISO Certified Peer-Reviewed Journal

ISSN: 2455-6211

Convert Your Language



HOME EDITORIAL BOARD PROCESSING CHARGES ONLINE SUBMISSION ISSUES INDEXING CONTACT US

Search here



### IJARESM Menu

- Publication Ethics
- Peer Review & Publication Policy
- Call For Papers
- Why IJARESM
- Topics Covered
- Special Issue

### Download

- Author Guidelines
- Copyrights Form
- Paper Template

## Antiepileptic Agents

You Are Here : [Home](#) > [Issues](#) > [Volume 11](#) > [Issue 12](#) > Antiepileptic Agents

### Antiepileptic Agents

**Author Name :** Kajal Vasant Awate, Dr. Nitin C. Mohire, Dr. Manisha Vite, Prof. Rajyashri Dhonnar



**ABSTRACT** Now - a days, people are facing various kinds of stress in the fast daily life and most of the people in the world are suffering from several neurological disorder. Epilepsy is one of the most common neurological disorder of the brain, affecting about 50 million individual worldwide. It is a universal disorder which affects all age group. Epilepsy is a group of non communicable neurological disorder characterized by recurrent epileptic seizures. Genetic factors as well as infection in brain, stroke, tumors and high fever are some of the causes of epilepsy. Mechanisms underlying the epilepsy are imbalance between excitatory and inhibitory neurotransmitter. Depending on area of the brain are involved epileptic seizures may consist of loss of awareness with classified based on site of origin and symptoms. This review discusses epilepsy classification of epilepsy, symptoms. Diagnosis and antiepileptic drug



PRINCIPAL  
SSJ COP, Asangaon  
Thane (M.S.) 421601



VIGNAHARATA TRUST

**SHIVAJIRAO S. JONDHLE COLLEGE OF PHARMACY, ASANGAON.**

TAL.- SHAHAPUR, DIST.- THANE (M.S.) -421 601

Approved by AICTE, New Delhi, Recog. by Govt. of Maharashtra & PCI - New Delhi

**Affiliated to MSBTE & University of Mumbai**

02527-272399 | Mob: 9594962018 | [ssjcop3241@gmail.com](mailto:ssjcop3241@gmail.com)



**International Journal of All Research Education and Scientific Methods (IJARESM),**  
ISSN: 2455-6211, Volume 11, Issue 12, December-2023, Available online at: [www.ijaresm.com](http://www.ijaresm.com)

## A Review on Adverse Drug Reaction Reporting

**Dnyaneshwari Sopan Nipurte<sup>1</sup>, Tejashree B. Pandhare<sup>2</sup>, Principal Nitin C. Mohire<sup>3</sup>,  
Prof. Manjusha Sanap<sup>4</sup>, Prof. Akash Nalawade<sup>5</sup>**

<sup>1,2</sup>Students of Shivajirao s jondhle College of Pharmacy Asangaon Thane

<sup>3</sup>Principal of Shivajirao s jondhle College of Pharmacy Asangaon Thane

<sup>4,5</sup>Professor at Shivajirao S. Jondhle College of Pharmacy Asangaon Thane

### CONTENT

- Difference between Side effects and Advers effects.
- Adverse Drug Reaction.
- Types of Adverse drug reaction.
- Adverse drug reaction reporting tools.
- Methods of ADR Monitoring.
- Detection of Adverse Drug Event.
- ADR Reporting Process
- Assessment of Adverse Drug Reaction .
- Advers drug reaction reporting form in INDIA.
- Advers drug reaction reporting in various countries (UK, Canada, USA, Netherlands).

Difference between Side Effects and Adverse Effects:-

Side effects	Adverse effects





**PRINCIPAL**  
SSJCDP, Asangaon  
Thane (M.S.) 421601



VIGNAHARATA TRUST

SHIVAJIRAO S. JONDHLE COLLEGE OF PHARMACY, ASANGAON.

TAL.- SHAHAPUR, DIST.- THANE (M.S.) -421 601

Approved by AICTE, New Delhi, Recog. by Govt. of Maharashtra & PCI - New Delhi

Affiliated to MSBTE & University of Mumbai

02527-272399 | Mob: 9594962018 | [ssjcop3241@gmail.com](mailto:ssjcop3241@gmail.com)



International Journal of All Research Education and Scientific Methods (IJARESM),

ISSN: 2455-6211, Volume 11, Issue 12, December-2023, Available online at: [www.ijaresm.com](http://www.ijaresm.com)

## IQ, OQ, PQ

Sayali Janardan Bhare<sup>1</sup>, Dr Nitin C. Mohire<sup>2</sup>, Prof. Dhanashree Kathole<sup>3</sup>,  
Prof. Gauri Bhamare<sup>4</sup>

<sup>1</sup>Department of B Pharm, Shivajirao S Jondhle College of Pharmacy, Asangaon Tal Shahapur, Thane, Maharashtra, India

<sup>2</sup>Principal, Shivajirao S Jondhle College of Pharmacy, Asangaon Tal. Shahapur, Thane, Maharashtra, India

<sup>3</sup>Department of Pharmaceutics, Shivajirao S Jondhle College of Pharmacy, Asangaon Tal Shahapur, Thane, Maharashtra, India

<sup>4</sup>Department of Pharmaceutics, B. Pharm, Shivajirao S Jondhle College of Pharmacy, Asangaon Tal Shahapur, Thane, Maharashtra, India

### ABSTRACT

These are the abbreviations we use in the medical device industry for the three steps of process validation: Installation Qualification (IQ), Operational Qualification (OQ), and Performance Qualification (PQ). IQ/OQ/PQ ensures that any equipment you use to manufacture your medical device works the way it should—every single time. In the medical device industry, even one failure in a manufacturing process can lead to devastating consequences for patients, so let's dig into IQ, OQ, and PQ and the role each of them plays in validating your company's manufacturing processes FDA states that process validation is "the collection and evaluation of data, from the process design stage through commercial production, which establishes scientific evidence that a process is capable of consistently delivering quality product." To properly complete process validation, manufacturers must carry out and document all three stages of IQ, OQ, and PQ on the equipment they will use to manufacture their devices.

### INTRODUCTION

1. Installation Qualification (IQ) – Installation qualification is used to ensure that the installation of any necessary equipment, piping, services, or instrumentation has been executed in accordance with the manufacturer's requirements



PRINCIPAL

SSJ COP, Asangaon  
Thane (M.S.) 421601



VIGNAHARATA TRUST

SHIVAJIRAO S. JONDHLE COLLEGE OF PHARMACY, ASANGAON.

TAL.- SHAHAPUR, DIST.- THANE (M.S.) -421 601

Approved by AICTE, New Delhi, Recog. by Govt. of Maharashtra & PCI - New Delhi

Affiliated to MSBTE & University of Mumbai

02527-272399 | Mob: 9594962018 | [ssjcop3241@gmail.com](mailto:ssjcop3241@gmail.com)

© 2023 JETIR December 2023, Volume 10, Issue 12

[www.jetir.org](http://www.jetir.org) (ISSN-2349-5162)

JETIR.ORG

ISSN: 2349-5162 | ESTD Year : 2014 | Monthly Issue



JOURNAL OF EMERGING TECHNOLOGIES AND  
INNOVATIVE RESEARCH (JETIR)

An International Scholarly Open Access, Peer-reviewed, Refereed Journal

## Aromatic Allies: Herbal Essential Oils in the Fight Against Sinusitis

Sakshi Das<sup>1</sup>, Dr. Manisha Vite<sup>2</sup>, Dr Nitin C. Mohire<sup>3</sup>, Neha Choudhary<sup>4</sup>, Shruti Doiphode<sup>5</sup>

<sup>2</sup> Asso. Proff. Shivajirao. Jondhle college of Pharmacy Asangaon, Tal Shahapur, Maharashtra- 421601

<sup>3</sup> Principal of Shivajirao.S. Jondhle college of Pharmacy Asangaon, Tal Shahapur, Maharashtra- 421601

<sup>1,4,5</sup> Student, Shivajirao.S. Jondhle college of Pharmacy Asangaon, Tal Shahapur, Maharashtra- 421601

### Abstract:

Sinusitis, a prevalent inflammatory ailment impacting the sinus cavities, holds significant implications for public health. This comprehensive review synthesizes contemporary insights on sinusitis, covering its various types, clinical presentations, root causes, diagnostic methods, current management strategies, herbal remedies. The distinctions between acute and chronic sinusitis are examined, highlighting the intricate interplay of viral, bacterial, and fungal elements. An in-depth analysis of symptoms, ranging from nasal congestion to facial pain, provides a detailed



PRINCIPAL

SSJ COP, Asangaon  
Thane (M.S.) 421601



VIGNAHARATA TRUST

SHIVAJIRAO S. JONDHLE COLLEGE OF PHARMACY, ASANGAON.

TAL.- SHAHAPUR, DIST.- THANE (M.S.) -421 601

Approved by AICTE, New Delhi, Recog. by Govt. of Maharashtra & PCI - New Delhi

Affiliated to MSBTE & University of Mumbai

02527-272399 | Mob: 9594962018 | [ssjcop3241@gmail.com](mailto:ssjcop3241@gmail.com)

## Journal of Pharmacy and Pharmaceutics



ISSN 2377-1313  
OPEN ACCESS

Research article

DOI: 10.15436/2377-1313-19-2022

### Design, Formulation and Evaluation of Extended Release Tablet Containing Nisoldipine

Chaudhari GD<sup>1\*</sup>, Ghodgaonkar SA<sup>1</sup>, Vilegave KV<sup>2</sup>

<sup>1</sup> Shivgita Institute of Pharmacy, Asangaon  
<sup>2</sup> Shivajirao S. Jondhle College of Pharmacy, Asangaon

\*Corresponding author: Ganeshtmal Chaudhari, Shivgita Institute of Pharmacy, Asangaon, India.  
Email: [ganeshtmalchaudhari@gmail.com](mailto:ganeshtmalchaudhari@gmail.com)

#### Abstract

The aim of the present work is to formulate evaluate and develop a dissolution profile for an orally administrable extended tablet of nisoldipine, a calcium channel blocker drug by using various controlled release polymers including Methocel K100LVCR, Hydroxypropyl Cellulose (HPC-L), Hydroxypropyl cellulose (HPC-M), Lactose Monohydrate NF, Sodium Lauryl Sulphate (SLS), Eudragit L30D-55, Glyceryl behenateNF, Colloidal silicon dioxide NF (Aerosil200), Magnesium Stearate NF, Methocel E<sub>100</sub>, Methocel K100M CR in various ratios with active pharmaceutical ingredient (API) which show comparable dissolution profile with the reference product. The tablets were evaluated for drug content, weight variation, hardness, thickness, friability, film coating, high performance liquid chromatography, stability profile, and zero order kinetics *in-vitro* drug release study. The drug excipients compatibility studies indicated that the studied excipients have no interaction with drug, the excipients were compatible with API. The stability testing of finalized batch at 40°C / 75 % RH revealed no significant change with respect to assay and drug release pattern hence concluding that the finished product is highly stable.

**Keywords:** Nisoldipine; Extended release tablets; Zero order kinetics; Stability testing

#### Introduction

Oral drug delivery is the most convenient and preferable route of drug administration considering patient compliance, low cost, flexibility in drug design and ease of production<sup>(1)</sup>. Extended release matrix tablets are relatively simple systems that are more flexible in terms of variations in ingredients, production methods, and end-use conditions than film coated ER tablets and other systems. This results in more uniform release profiles with a high resistance to dose dumping<sup>(2)</sup>. The most common approach of extending and controlling rate of release of drug is to incorporate a drug in hydrophilic colloid matrix such as hydroxyl propyl methyl cellulose<sup>(3)</sup>. Currently available therapies for hypertension include drugs which block the activity of peripheral sympathetic nervous system, diuretics, centrally acting drugs, selective and non-selective  $\alpha$  and  $\beta$  receptor blockers, calcium channel blockers, vasodilators, ACE inhibitors, angiotensin receptor blockers, used individually or in combinations<sup>(4-7)</sup>. Most of these drugs have different kinds of disadvantages associated with them such as short half-life, low bioavailability, poor permeability and adverse effects associated with them. Various attempts have been made to design drug delivery systems for calcium channel blockers to

• reduce the dosing frequency.

abolism in the gastrointestinal tract.

- improve the central nervous system (CNS) penetration and inhibit the CNS efflux, and
- Deliver them to the target cells selectively with minimal side.

Nisoldipine is an extended release tablet dosage form of the dihydropyridine calcium channel blocker. Nisoldipine is 3, 5-pyridinedicarboxylic acid, 1, 4-dihydro-2, and 6-dimethyl-4-(2-nitrophenyl)-, methyl-2-methylpropyl ester, C<sub>22</sub>H<sub>22</sub>N<sub>2</sub>O<sub>6</sub>, and has the structural formula:

Received date: November 15, 2018  
Accepted date: December 21, 2018  
Publish date: December 27, 2018

Citation: Chaudhari, G.D., et al. Design, Formulation and Evaluation of Extended Release Tablet Containing Nisoldipine (2019) J pharma pharmaceutics 6(1): 1- 9.

Copyright: © 2018 Chaudhari, G.D. This is an Open access article distributed under the terms of Creative Commons At-



PRINCIPAL  
SSJ COP, Asangaon  
Thane (M.S.) 421601





VIGNAHARATA TRUST

SHIVAJIRAO S. JONDHLE COLLEGE OF PHARMACY, ASANGAON.

TAL.- SHAHAPUR, DIST.- THANE (M.S.) -421 601

Approved by AICTE, New Delhi, Recog. by Govt. of Maharashtra & PCI - New Delhi

Affiliated to MSBTE & University of Mumbai

02527-272399 | Mob: 9594962018 | [ssjcop3241@gmail.com](mailto:ssjcop3241@gmail.com)

**INTERNATIONAL JOURNAL OF NOVEL RESEARCH AND DEVELOPMENT (IJNRD) | IJNRD.ORG**  
*An International Open Access, Peer-reviewed, Refereed Journal*  
ISSN : 2456-4184

The Board of  
International Journal of Novel Research and Development  
Is hereby awarding this certificate to  
**Bharti Tribhuvne**

In recognition of the publication of the paper entitled  
**Pharmacological Activity Of Bauhinia Purpurea L. Flower**  
Published In IJNRD ( [www.ijnrd.org](http://www.ijnrd.org) ) ISSN Approved & 8.76 Impact Factor  
Published in Volume 8 Issue 3, March-2023 | Date of Publication: 2023-03-22

Co-Authors - Mrs. Swati Milind wakchoure, Sachin Namdeo Jadhav, Puja G Raut, Bhagyashri Vivek Chaudhari

Registration ID : 189065 Paper ID - IJNRD2303265 Editor-In Chief

**INTERNATIONAL JOURNAL OF NOVEL RESEARCH AND DEVELOPMENT | IJNRD**  
*An International Scholarly, Open Access, Multi-disciplinary, Indexed Journal*  
Website: [www.ijnrd.org](http://www.ijnrd.org) | Email: [editor@ijnrd.org](mailto:editor@ijnrd.org) | ESTD: 2016

An International Scholarly, Open Access, Multi-disciplinary, Monthly, Indexing in all Major Database & Metadata, Citation Generator  
Manage By: IJPUBLICATION Website: [www.ijnrd.org](http://www.ijnrd.org) | Email ID: [editor@ijnrd.org](mailto:editor@ijnrd.org)



PRINCIPAL  
SSJ COP, Asangaon  
Thane (M.S.) 421601