

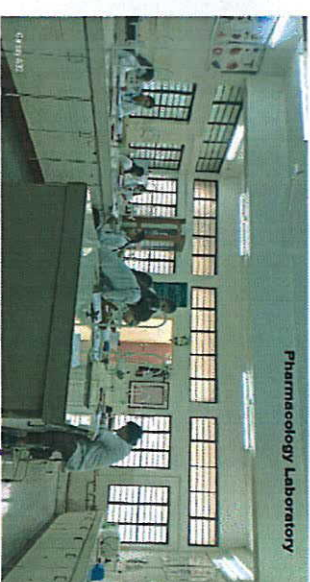


SNJB's
SHRIMAN SURESHDADA JAIN COLLEGE OF PHARMACY
JAIN GURUKUL, NEMINAGAR,
AT/P. CHANDWAD, Tal. Chandwad, Dist. Nashik-423 101.

Criteria 2: Teaching – Learning and Evaluation
Key Indicator – 2.3. Teaching – Learning Process

2.3.1. Student centric methods such as experimental learning, participative learning and problem solving methodologies are used for enhancing learning experience using ICT tools

1. Experimental Learning: Practical:

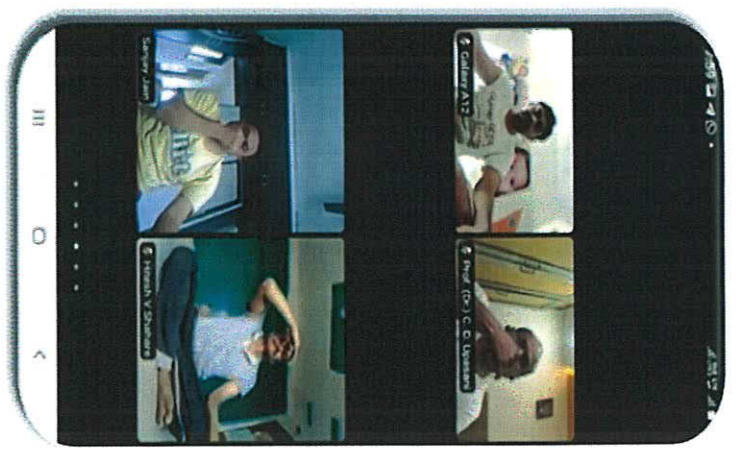
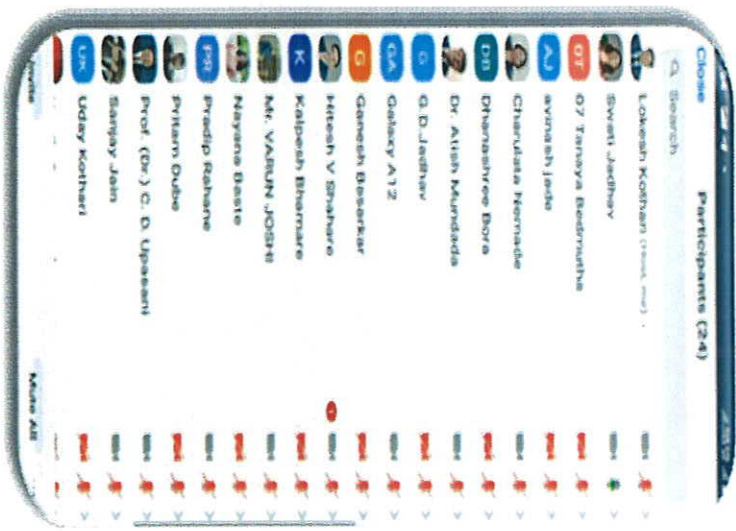
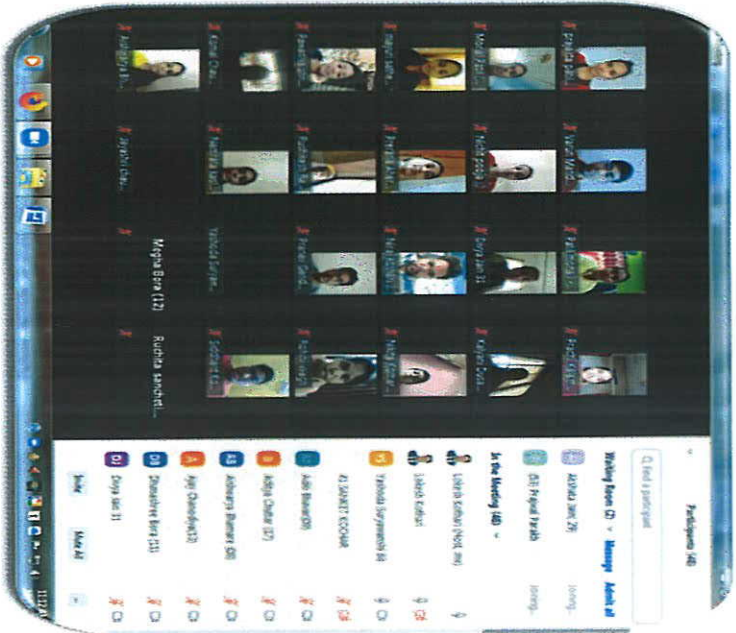


PRINCIPAL
SNJB's SHRIMAN SURESHDADA JAIN
COLLEGE OF PHARMACY, NEMINAGAR
CHANDWAD (NASHIK)



SNJB'S
SHRIMAN SURESHDADA JAIN COLLEGE OF PHARMACY
JAIN GURUKUL, NEMINAGAR,
AT/P. CHANDWAD, Tal. Chandwad, Dist. Nashik-423 101.

• (ICT Based Learning Tools)



PRINCIPAL
SNJB'S SHRIMAN SURESHDADA JAIN
COLLEGE OF PHARMACY, NEMINAGAR,
CHANDWAD (NASHIK)



SNJB'S
SHRIMAN SURESHDADA JAIN COLLEGE OF PHARMACY
JAIN GURUKUL, NEMINAGAR,
AT/P. CHANDWAD, Tal. Chandwad, Dist. Nashik-423 101.

• YouTube

Macrolide Antibiotics

Hitesh Shahare
503 SUBSCRIBERS

Analytics Edit video

A23 Runny
Sponsored · 42m · google.com

Download

From Hitesh Shahare

Penicillin
Hitesh Shahare
464 views · 2 years ago

Benzodiazepine Structure

Structures of Amino Acids
Learning easy way

Dr. V. A. Chatpalliwar
M. Pharm. (Pharm. Chemist), Ph. D.
9922046062

SNJB's sadi Coll. Pharm.
Nemimnagar, Chandwad, Tal. Chandwad, Dist. Nashik



hitesh shahare structure

YouTube

Tetracycline Structure
26 views · 4 years ago
Hitesh Shahare

Fluoroquinolones Structure
227 views · 4 years ago
Hitesh Shahare

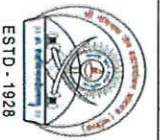
Anti-Parkinsonian Agents

Part -I

Dr. V. A. Chatpalliwar
M. Pharm. Ph. D.




PRINCIPAL
SNJB'S SHRIMAN SURESHDADA JAIN
COLLEGE OF PHARMACY, NEMINAGAR
NEMINAGAR (MAASUVA)



SNJB's
SHRIMAN SURESHDADA JAIN COLLEGE OF PHARMACY
JAIN GURUKUL, NEMINAGAR,
AT/P. CHANDWAD, Tal. Chandwad, Dist. Nashik-423 101.

Role of Pharmacy Professionals
In bulk API manufacturing after
Covid 19 Scenario

Dr. Alish S. Munde




Dr. Alish Munde's Academy
 pharmacy at doctor's place
 Knowledge is power, but doctor's knowledge is life.




BioStatistics:
Presentation of
Data

Dr. Sanjay B. Pahl
 Associate Professor
 Savitribai Phule Pune University, Affiliated
 SNJB's Shri Bhanu Sureshdada Jain College of Pharmacy,
 Neminagar, Chandwad (Nashik), Maharashtra - 423101, India




Preformulation Studies:
Introduction

Dr. Sanjay B. Pahl
 Associate Professor
 Savitribai Phule Pune University, Affiliated
 SNJB's Shri Bhanu Sureshdada Jain College of Pharmacy,
 Neminagar, Chandwad (Nashik), Maharashtra - 423101, India



Screening of Analgesic activity:
Eddy's Hot Plate Analgesimeter

Dr. Aman U. Paganlawar
 (M.Pharm., Ph.D., M.Sc.)



Department of Pharmacology,
 SNJB's SBDJ College of Pharmacy,
 Chandwad, Nashik



ES2022

Dr. Aman U. Paganlawar
 Associate Professor
 SNJB's Shri Bhanu Sureshdada Jain College of Pharmacy, India



PRINCIPAL
SNJB's SHRIMAN SURESHDADA JAIN
COLLEGE OF PHARMACY, NEMINAGAR
CHANDWAD (NASHIK)



SNJB's
SHRIMAN SURESHDADA JAIN COLLEGE OF PHARMACY
JAIN GURUKUL, NEMINAGAR,
AT/P. CHANDWAD, Tal. Chandwad, Dist. Nashik-423 101.

• **Blogs :**

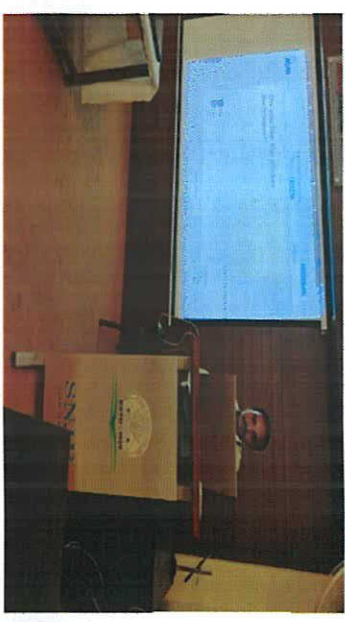
The screenshot shows the WordPress dashboard for 'Dr. Hitesh V. Shahare' at 'hvsahare.wordpress.com'. The top navigation bar includes 'Reader', 'Dr. Hitesh V. Shahare', and a '+ New' button. A 'Free domain with an annual plan' banner is visible. The main content area is titled 'Posts' and contains a sub-header 'Create, edit, and manage the posts on your site. Learn more.' Below this, a summary shows: Published (2), Drafts (1), Scheduled (0), and Trashed (0). A 'View' button is present. The 'Posts' section lists one post: 'Antibiotics' published on Jul 4, at 12:21 PM. An 'Add new post' button is located at the bottom right of the posts list. The left sidebar contains navigation options: 'My Home', 'Stats', 'Upgrades', 'My Mailboxes', 'Posts', 'All Posts', 'Add New Post', and 'Categories'. Two circular logos are visible: one for IQAC (Chandwad Dist. Nashik, 423101) and another for SNJB's Shri Man Sureshdada Jain College of Pharmacy (Chandwad Dist. Nashik, PIN-423101).

PRINCIPAL
SNJB's SHRIMAN SURESHDADA JAIN
COLLEGE OF PHARMACY, NEMINAGAR
CHANDWAD (NASHIK)



SNJB's
SHRIMAN SURESHDADA JAIN COLLEGE OF PHARMACY
JAIN GURUKUL, NEMINAGAR,
AT/P. CHANDWAD, Tal. Chandwad, Dist. Nashik-423 101.

- Flipped Class Rooms



The Use of
 **plickers**
Technology in Classroom



PRINCIPAL
SNJB'S SHRIMAN SURESHDADA JAIN
COLLEGE OF PHARMACY, NEMINAGAR
CHANDWAD (NASHIK)



**SNJB's
SHRIMAN SURESHDADA JAIN COLLEGE OF PHARMACY
JAIN GURUKUL, NEMINAGAR,
AT/P. CHANDWAD, Tal. Chandwad, Dist. Nashik-423 101.**

2. Industry Visits



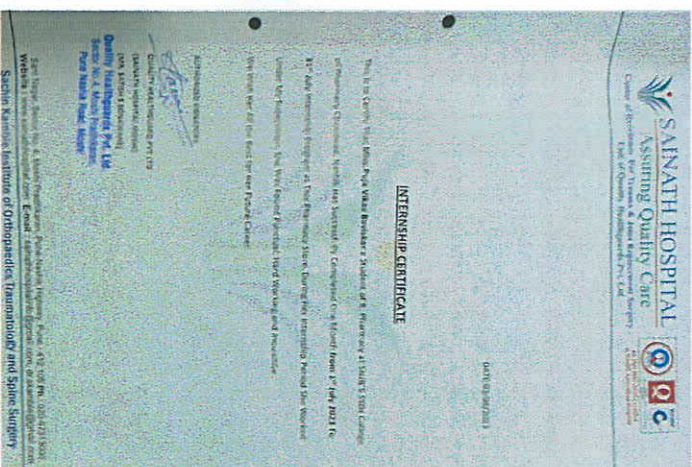
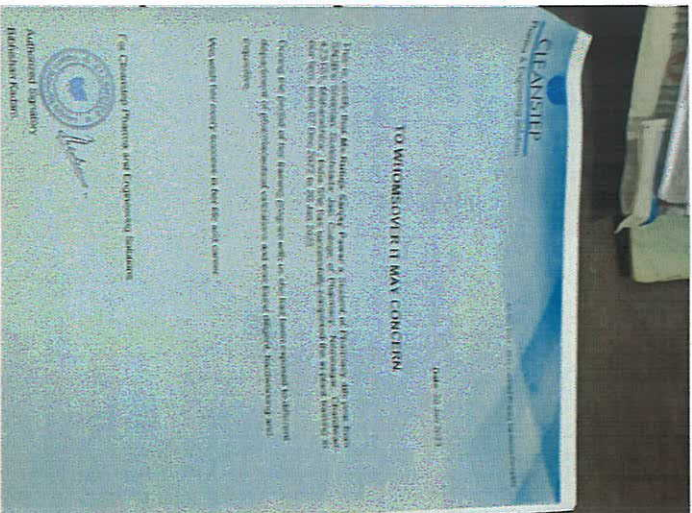
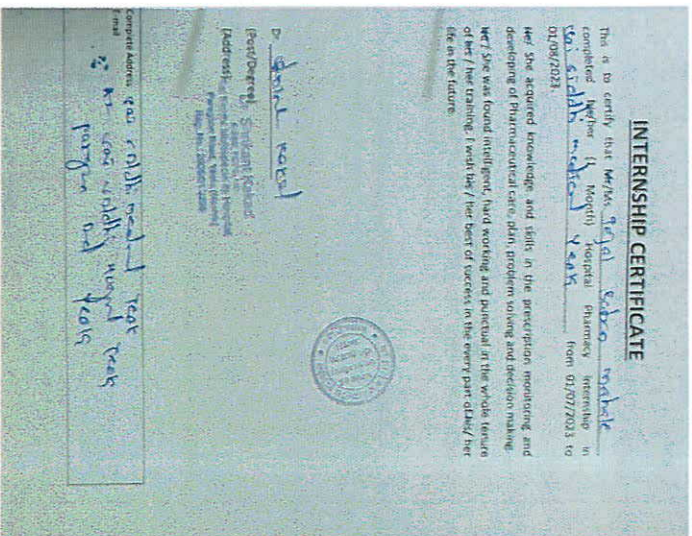
PRINCIPAL
SNJB's SHRIMAN SURESHDADA JAIN
COLLEGE OF PHARMACY, NEMINAGAR
CHANDWAD (NASHIK)

ESTD - 1928



**SNJB's
SHRIMAN SURESHDADA JAIN COLLEGE OF PHARMACY
JAIN GURUKUL, NEMINAGAR,
AT/P. CHANDWAD, Tal. Chandwad, Dist. Nashik-423 101.**

3. Internships



PRINCIPAL
SNJB's SHRIMAN SURESHDADA JAIN
COLLEGE OF PHARMACY, NEMINAGAR
CHANDWAD (NASHIK)

ESTD - 1928



SNJB's
SHRIMAN SURESHDADA JAIN COLLEGE OF PHARMACY
JAIN GURUKUL, NEMINAGAR,
AT/P. CHANDWAD, Tal. Chandwad, Dist. Nashik-423 101.

Advanced enzymes

Advanced Enzymes Technology Ltd.
10, Durgam Chattri Road, Hyderabad-500042
Ph: 01-46100000 Fax: 01-46100001
www.enzymes.com

TO WHOMSOEVER IT MAY CONCERN

Respected Sir/Madam,
We are pleased to inform you that Mr. V. Venkatesh, M.Sc. B.Pharm, has been selected for the position of Junior Lecturer in the Department of Pharmacy, Shri Man Sureshdada Jain College of Pharmacy, Neminagar, Chandwad, Dist. Nashik for the period from 28.06.2022 to 28.06.2023. During this period he/she was regular in his attendance and training. This certificate is issued to him/her own request for producing the same to Shri Man Sureshdada Jain College of Pharmacy, Chandwad, Nashik.

For Advanced Enzymes Technology Ltd.
General Manager
Hyderabad

ADITI PHARMACEUTICALS PVT. LTD.
Drug Reg. License No. 40489D-66
CERT. NO. 27AACCC0780120
PAN - AACCC0720D
E-Office: M. U. D. SOLAPUR-413006, Phosha. Dist. 4658943 FAX: 0241-2652288
E-mail: aditipharm@rediffmail.com

TO WHOMSOEVER IT MAY CONCERN

Date: 04.03.2023

This is to certify that Mr./ Miss. Gore Pajal M. Third / Final Year B. Pharmacy student has undergone implant training in our organization from 28.06.2022 to 28.06.2023. During this period he/she was regular in his attendance and training. This certificate is issued to him/her own request for producing the same to Shri Man Sureshdada Jain College of Pharmacy, Chandwad, Nashik.

For Aditi Pharmaceuticals Pvt. Ltd.
Authorised Signatory

OMHOSPITAL
MULTI-SPECIALITY
10/17, New 12, 1st floor, 1st cross, 1st stage,
Chandwad, Dist. Nashik, Maharashtra-423101
Phone: 261-2674881, 2674882

TO WHOMSOEVER IT MAY CONCERN

Date: 04/03/2023

This is to certify that Mr./ Miss. Gore Pajal M. Third / Final Year B. Pharmacy student has undergone implant training in our organization from 28.06.2022 to 28.06.2023. During this period he/she was regular in his attendance and training. This certificate is issued to him/her own request for producing the same to Shri Man Sureshdada Jain College of Pharmacy, Chandwad, Nashik.

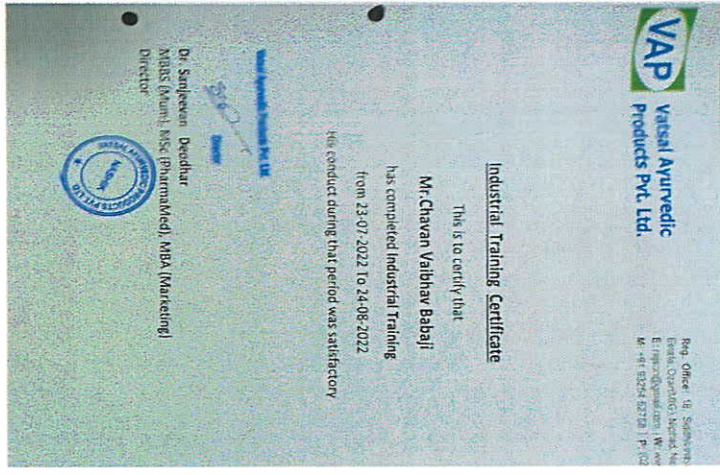
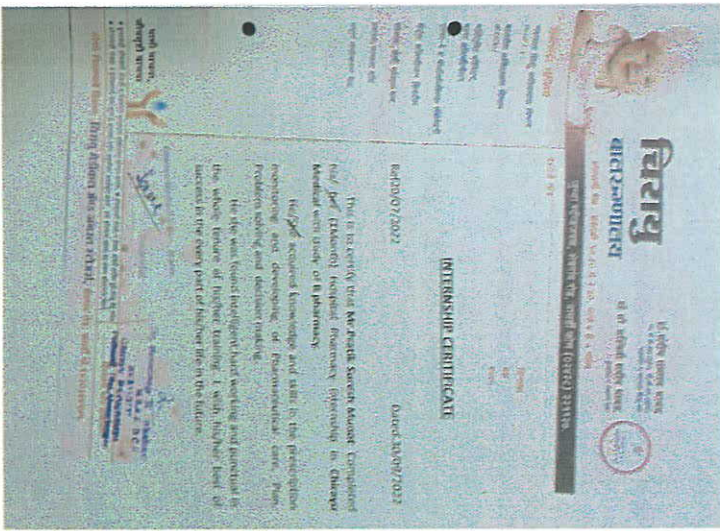
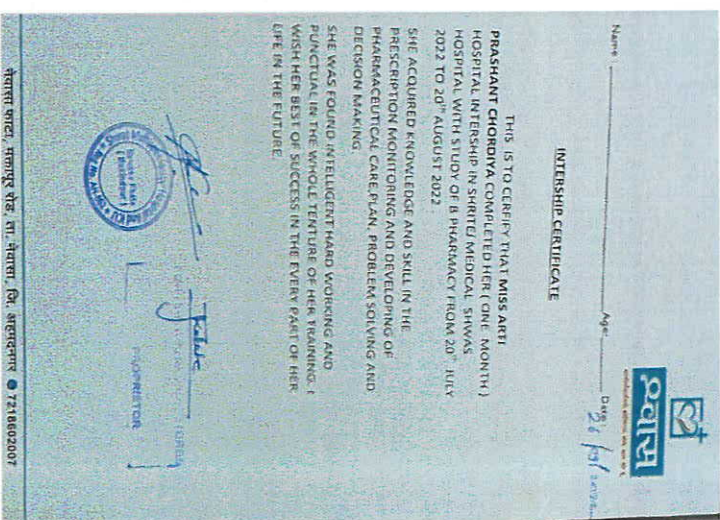
Dr. Manoj Kulkarni
Principal
SNJB's Shri Man Sureshdada Jain College of Pharmacy,
Neminagar, Chandwad, Dist. Nashik-423101



PRINCIPAL
SNJB's SHRIMAN SURESHDADA JAIN
COLLEGE OF PHARMACY, NEMINAGAR
CHANDWAD (NASHIK)



SNJB'S
SHRIMAN SURESHDADA JAIN COLLEGE OF PHARMACY
JAIN GURUKUL, NEMINAGAR,
AT/P. CHANDWAD, Tal. Chandwad, Dist. Nashik-423 101.



PRINCIPAL
SNJB'S SHRIMAN SURESHDADA JAIN
COLLEGE OF PHARMACY, NEMINAGAR
CHANDWAD (NASHIK)



SNJB's
SHRIMAN SURESHDADA JAIN COLLEGE OF PHARMACY
JAIN GURUKUL, NEMINAGAR,
AT/P. CHANDWAD, Tal. Chandwad, Dist. Nashik-423 101.

5. Community Services :

- NSS Activities



R

PRINCIPAL

**SNJB's SHRIMAN SURESHDADA JAIN
COLLEGE OF PHARMACY, NEMINAGAR
CHANDWAD (NASHIK)**



SNJB's
SHRIMAN SURESHDADA JAIN COLLEGE OF PHARMACY
JAIN GURUKUL, NEMINAGAR,
AT/P. CHANDWAD, Tal. Chandwad, Dist. Nashik-423 101.

Health Check Up:



PRINCIPAL

SNJB's SHRIMAN SURESHDADA JAIN
COLLEGE OF PHARMACY, NEMINAGAR
CHANDWAD (NASHIK)



SNJB's
SHRIMAN SURESHDADA JAIN COLLEGE OF PHARMACY
JAIN GURUKUL, NEMINAGAR,
AT/P. CHANDWAD, Tal. Chandwad, Dist. Nashik-423 101.

6. Student Club Activities :

• **Library Club**



• **Photography**



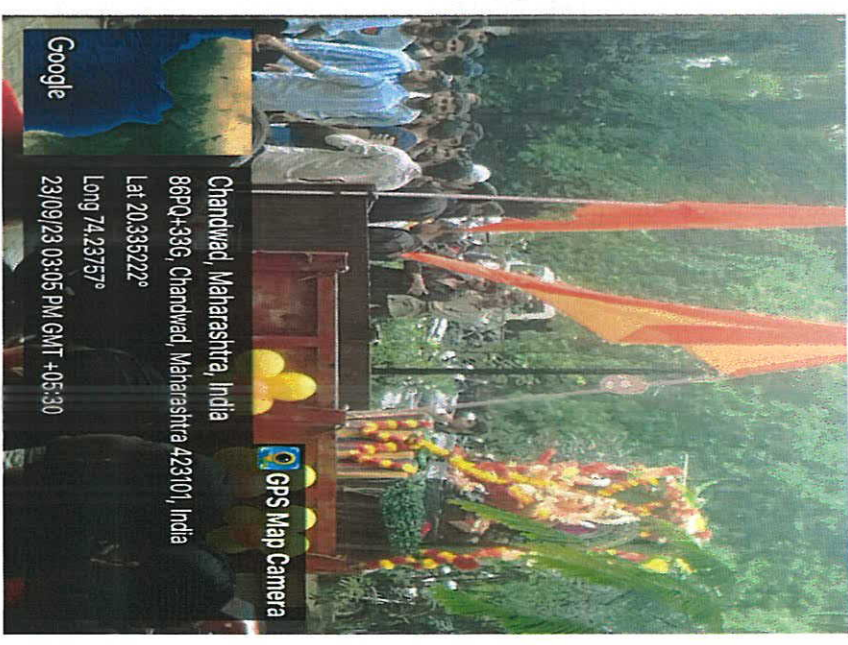
PRINCIPAL
SNJB's SHRIMAN SURESHDADA JAIN
COLLEGE OF PHARMACY, NEMINAGAR
(CHANDWAD, NASHIK)



SNJB's
SHRIMAN SURESHDADA JAIN COLLEGE OF PHARMACY
JAIN GURUKUL, NEMINAGAR,
AT/P. CHANDWAD, Tal. Chandwad, Dist. Nashik-423 101.

- Festival Celebration Club:

Ganesh Festival



Chandwad, Maharashtra, India
86PQ+33G, Chandwad, Maharashtra 423101, India
Lat 20.335222°
Long 74.23757°
23/09/23 03:05 PM GMT +05:30



PRINCIPAL
SNJB's SHRIMAN SURESHDADA JAIN
COLLEGE OF PHARMACY, NEMINAGAR
CHANDWAD (NASHIK)

ESTD - 1928



**SNJB's
SHRIMAN SURESHDADA JAIN COLLEGE OF PHARMACY
JAIN GURUKUL, NEMINAGAR,
AT/P. CHANDWAD, Tal. Chandwad, Dist. Nashik-423 101.**

• Rangoli



PRINCIPAL
SNJB's SHRIMAN SURESHDADA JAIN
COLLEGE OF PHARMACY, NEMINAGAR,
CHANDWAD (NASHIK)

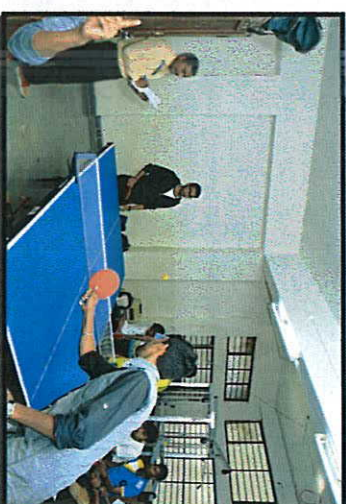


SNJB's
SHRIMAN SURESHDADA JAIN COLLEGE OF PHARMACY
JAIN GURUKUL, NEMINAGAR,
AT/P. CHANDWAD, Tal. Chandwad, Dist. Nashik-423 101.

• **Mehandi Club :**



• **Games Club:**



PRINCIPAL
SNJB's SHRIMAN SURESHDADA JAIN
COLLEGE OF PHARMACY, NEMINAGAR
CHANDWAD (NASHIK)



SNJB's
SHRIMAN SURESHDADA JAIN COLLEGE OF PHARMACY
JAIN GURUKUL, NEMINAGAR,
AT/P. CHANDWAD, Tal. Chandwad, Dist. Nashik-423 101.

- Group Discussion



- Activity Based Learning
- National Pharmacy Week Celebrations:



In response to the Central Government's **FIT INDIA** Movement.

SNJB's Shriman Sureshdada Jain College of Pharmacy
 (San Gurdiall Memorial Charitable - (S)JIOE, Dist. Nashik, Maharashtra, India)
 (AICTE Accredited (1st Program))
 Permanently affiliated to Savitribai Phule Pune University, Pune | First Professional College Awarded by Savitribai Phule Pune University

"FIT INDIA PLOG RUN"
 (Plogging is a Swedish concept which is a combination of running and picking up litter.)
 A step towards litter free and fitter India

Participants should run/walk on 2nd October 2020 (with all safety precautions laid by local govt authorities) & record data using <https://www.fitindia.gov/fitindia>

Key to the Registration can data submission form after your run/walk given link: <https://forms.gle/3D9Z3333333333333333>

Upon successful completion of the challenge, participants will receive the certificate immediately on their registered email id.

Let's pledge to go fit India! (Flag Day of non-vegians 29th Oct 2020) virtually, at your place to give fitness to the nation & the world.

Co-ordinator: **Mr. Lokesh P. Kothari**
 Head of Pharmacy

Chairman: **Dr. C. D. Upasani**
 Professor

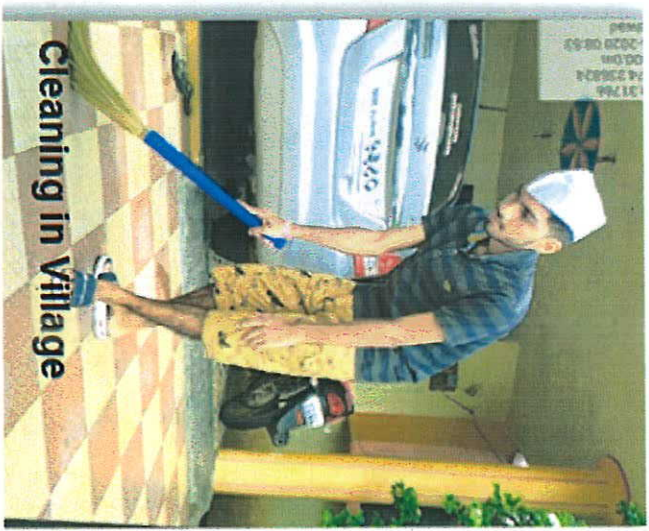


PRINCIPAL
 SNJB's SHRIMAN SURESHDADA JAIN
 COLLEGE OF PHARMACY, NEMINAGAR
 CHANDWAD (NASHIK)



**SNJB'S
SHRIMAN SURESHDADA JAIN COLLEGE OF PHARMACY
JAIN GURUKUL, NEMINAGAR,
AT/P. CHANDWAD, Tal. Chandwad, Dist. Nashik-423 101.**

• **Swaccha Bharat Abhiyan**



PRINCIPAL
SNJB'S SHRIMAN SURESHDADA JAIN
COLLEGE OF PHARMACY, NEMINAGAR
CHANDWAD (NASHIK)



SNJB's
SHRIMAN SURESHDADA JAIN COLLEGE OF PHARMACY
JAIN GURUKUL, NEMINAGAR,
AT/P. CHANDWAD, Tal. Chandwad, Dist. Nashik-423 101.

• Cultural Club:



PRINCIPAL
SNJB'S SHRIMAN SURESHDADA JAIN
COLLEGE OF PHARMACY, NEMINAGAR
CHANDWAD (NASHIK)



SNJB'S
SHRIMAN SURESHDADA JAIN COLLEGE OF PHARMACY
JAIN GURUKUL, NEMINAGAR,
AT/P. CHANDWAD, Tal. Chandwad, Dist. Nashik-423 101.

• **Patents :**



Office of the Controller General of Patents, Designs & Trade Marks
 Department of Industrial Policy & Promotion,
 Ministry of Commerce & Industry,
 Government of India

Application Details

APPLICATION NUMBER	2022102883
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	22/09/2023
APPLICANT NAME	1. DR. NITESH N. SHAWRE 2. DR. ANSHU S. WUNDOL 3. MRS. NIKHILAKA. DADA 4. MR. VINAY N. MASUR 5. DR. CHANDRABHELA D. UPASANI 6. MR. PRAKASH K. KADAM 7. MR. GAJANAN K. JAIN 8. MR. PRAKASH S. PAVAR 9. MR. AMIT K. GHANTE 10. MR. KUNAL R. JADHAV 11. MR. ANSHU S. GADVA 12. DR. SHWETA N. SHAWRE
TITLE OF INVENTION	IMPROVED CHEWING GUM AND METHOD OF PREPARATION THEREOF
FIELD OF INVENTION	FOOD
EXAMINER'S REFERENCE	Not Applicable
ADDITIONAL EXAMINER'S REFERENCE	Not Applicable
EXAMINER'S REFERENCE (Online)	Not Applicable
REQUEST FOR EXAMINATION DATE	-
REGISTRATION DATE (DUS 11A)	27/10/2023

PRINCIPAL
 SNJB'S SHRIMAN SURESHDADA JAIN
 COLLEGE OF PHARMACY, NEMINAGAR
 CHANDWAD (NASHIK)



SNJB's
SHRIMAN SURESHDADA JAIN COLLEGE OF PHARMACY
JAIN GURUKUL, NEMINAGAR,
AT/P. CHANDWAD, Tal. Chandwad, Dist. Nashik-423 101.

NPTEL :



NPTEL Online Certification

This certificate is awarded to
DR. SANJAY B. PATIL
 for successfully completing the course
Introduction to Biostatistics

with a consolidated score of **53 %**
 Online Assignments | 14.79/29 | Proctored Exam | 38.27/75
 Total number of candidates enrolled in this course: 297
 (8 week course)
 July-Sep 2018

July-Sep 2018



NPTEL-AICTE
 Faculty Development Programme

This certificate is awarded to
AMAN B. UPAGANLWAR
 for successfully completing the course
Stress Management

with a consolidated score of **55 %**

Aug-Sep 2018



NPTEL Online Certification

This certificate is awarded to
Aman B. Upaganlwar
 for successfully completing the course
Stress Management

with a consolidated score of **55 %**
 Online Assignments | 20/30 | Proctored Exam | 34.5/75
 Total number of candidates enrolled in this course: 1881
 Aug-Sep 2018

Aug-Sep 2018



ANNUAL REFRESHER PROGRAMME IN TEACHING

Registration ID	ANPTEL19MKT3028	Application No.	210720814293
Roll No.	08190119	Examiner Type	Private Server
Candidate's Name	SHILPA SURESH VISHWAKUM		
Institute's Name	SHRI JAIN SURESHDADA JAIN COLLEGE OF PHARMACY		
Faculty's Name	VISHWAKUM SURESH VISHWAKUM	Passes with Distinction(s)	NO
Category	IC	Roll of Marks	08-11-1880
Center	SHRI		

Course Code	PH201413	Learning and Experiences in Higher Education, Level 2
Course Name	PH201413	
Hours Allowed	45	
Hours Observed	45	
Result Obtained in words	77% (37/48)	

Dated: 13/10/2018

Senior Director, ITA

ANNUAL REFRESHER PROGRAMME IN

Registration ID	ANPTEL19MKT3028	Application No.	210720814293
Roll No.	08190119	Examiner Type	Private Server
Candidate's Name	SHILPA SURESH VISHWAKUM		
Institute's Name	SHRI JAIN SURESHDADA JAIN COLLEGE OF PHARMACY		
Faculty's Name	VISHWAKUM SURESH VISHWAKUM	Passes with Distinction(s)	NO
Category	IC	Roll of Marks	08-11-1880
Center	SHRI		

Course Code	PH201413	Learning and Experiences in Higher Education, Level 2
Course Name	PH201413	
Hours Allowed	45	
Hours Observed	45	
Result Obtained in words	77% (37/48)	

Dated: 13/10/2018

Senior Director, ITA



PRINCIPAL :
 SNJB'S SHRIMAN SURESHDADA JAIN
 COLLEGE OF PHARMACY, NEMINAGAR
 CHANDWAD (NASHIK)

(Handwritten signature)



SNJB's
SHRIMAN SURESHDADA JAIN COLLEGE OF PHARMACY
JAIN GURUKUL, NEMINAGAR,
AT/P. CHANDWAD, Tal. Chandwad, Dist. Nashik-423 101.

Exhibition /Competition/Conferences



PRINCIPAL
SNJB'S SHRIMAN SURESHDADA JAIN
COLLEGE OF PHARMACY, NEMINAGAR
CHANDWAD, NASHIK



**SNJB's
SHRIMAN SURESHDADA JAIN COLLEGE OF PHARMACY
JAIN GURUKUL, NEMINAGAR,
AT/P. CHANDWAD, Tal. Chandwad, Dist. Nashik-423 101.**

- **Soft Skill Development activities :**



PRINCIPAL
SNJB'S SHRIMAN SURESHDADA JAIN
COLLEGE OF PHARMACY, NEMINAGAR
CHANDWAD (NASHIK)



SNJB's
SHRIMAN SURESHDADA JAIN COLLEGE OF PHARMACY
JAIN GURUKUL, NEMINAGAR,
AT/P. CHANDWAD, Tal. Chandwad, Dist. Nashik-423 101.

• Paper Publication / Poster presentation

Shahar *et al.* JPSC. 2021; Vol.1(14): 346-348

E-ISSN: 0975-8312; P-ISSN: 2320-5148

JPSC (2021), Volume 12, Issue 1

(Research Article)



INTERNATIONAL JOURNAL
PHARMACEUTICAL SCIENCES
AND
RESEARCH



Received on 05 March 2020; received in revised form: 20 May 2020; accepted: 23 March 2021; published: 01 April 2021

NOVEL SULFONAMIDE SCHIFF'S BASES AND THEIR ANTIDIPYROMAL ACTIVITY

Shahar V. Shahar¹, **Genita S. Lakshmi Sagar P. Jain and Anil Kumar P. Jain**

Department of Pharmaceutical Chemistry, SNJB, Shri Man Suresh Dada Jain College of Pharmacy, Chandwad, Nashik - 423101, Maharashtra, India.

Keywords:

Schiff base, sulfonamide, pyridine, antimicrobial activity, computer assisted activity.

Correspondence to Author:
Prof. Shabari Bhatia V.
 Department of Pharmaceutical Chemistry, SNJB Shri Man Suresh Dada Jain College of Pharmacy, Chandwad, Nashik - 423101, Maharashtra, India.

E-mail: shabari@snjb.com

ABSTRACT: In the realm of chemistry, Schiff bases are considered ligands and play a very important role in drug discovery and development. The Schiff bases and their compounds have been reported in the literature possessing wide applications in biological, clinical, and analytical fields. In the field of this, one Schiff base of Sulfonamide drug was synthesized by a very simple method and in good yield. The purity of the newly synthesized base was confirmed by performing TLC in a suitable solvent system. The infrared group present in the synthesized compound was successfully screened for their antimicrobial activity. Among these Schiff bases, the compound containing amino and thio groups shows greater activity than substituted base. By considering this, there is a need to design more analog of substituted Schiff base and contain the structural modifications with their respective antimicrobial activity to develop a structural activity relationship.

INTRODUCTION: Schiff's bases are an important class of organic compounds. A Schiff base is a functional group that contains a carbon atom double bonded with the nitrogen atom connected to an aryl or alkyl group, but not hydrogen. Schiff's bases are condensation products of primary amines with carbonyl compounds. Schiff bases are well-known important intermediates for the synthesis of various bioactive compounds. They are reported to show a variety of biological activities, including antibacterial, antifungal, insecticidal, anti-HIV, anti-inflammatory, anti-tubercular, anti-cancer, and anti-herbivore.

In view of this, the present investigation involves the synthesis of Schiff bases of Sulfonamide through condensation of the same group and

DOI:10.25908/ijpsr.2019.1.1559
 ISSN:2278-3458

Chemical Science Transactions
 2019, 8(1), 60-62

RESEARCH ARTICLE

Antimicrobial Evaluation of Some Novel Aldimine Derivatives

H. V. SHAIKH¹, L. P. KOTHARI¹, **S. M. BHAVSAR²** and R. J. BHOR

¹Dept. Phy. Chem., SNJB's SSDJ College of Pharmacy, Chandwad, Nashik, Maharashtra-423101, India

²PRES'S Pravara Nagar College of Pharmacy, Chincholi, Nashik, Maharashtra-422102, India

shabari@snjb.com

Received 27 July 2018 / Accepted 31 August 2018

Abstract: Some aldimine (or Schiff bases) derivatives have been synthesized by simple condensation of aromatic aldehydes with primary aromatic amines. Their structures have been elucidated by IR and ¹H NMR. The biological activity of these aldimine was examined against different type of microorganisms and they found to have considerable activity in comparison with the most commonly used antibiotics.

Keywords: Aldimine, Imine, Schiff bases, Antimicrobial activity

Introduction

The chemistry of heteropol unsaturated functions are very well explored^{1,2}. Aldimine (or

Shahar *et al.* JPSC. 2019; Vol. 10(7): 3390-3394

E-ISSN: 0975-8312; P-ISSN: 2320-5148

JPSC (2019), Volume 10, Issue 7

(Research Article)



INTERNATIONAL JOURNAL
PHARMACEUTICAL SCIENCES
AND
RESEARCH



Received on 09 November 2018; received in revised form: 14 January 2019; accepted: 10 January 2019; published: 01 July 2019

SYNTHESIS OF POTENTIAL ANTI-INFLAMMATORY PYZALOLINE DERIVATIVES UNDER ULTRASONIC IRRADIATION

J. P. Sagar¹, **S. P. Bhatia²** and H. V. Shahar¹

Study Institute of Pharmaceutical Sciences¹, Maharashtra, Nashik - 422213, Maharashtra, India. Department of Pharmaceutical Chemistry², SSDJ College of Pharmacy, Chandwad, Nashik - 423101, Maharashtra, India.

Keywords:

Ultrasound irradiation, Chloroform, Pyridine, Acetylaminopyridine activity.

Correspondence to Author:
Prof. Shabari Bhatia V.
 Department of Pharmaceutical Chemistry, SSDJ College of Pharmacy, Chandwad, Nashik - 423101, Maharashtra, India.

E-mail: shabari@snjb.com

ABSTRACT: In the present investigation, the chloroform intermediate are synthesized by Claisen-Schmidt condensation reaction between ketonolide and pyridine aromatic aldehydes. Further, these chloroform intermediates were cyclized with phenylhydrazine in special solvent acid to give some pyridolone derivatives using ultrasonic irradiation with higher yields in better time. All the synthesized derivatives are characterized by their TLC, Physical constant, FTIR, and ¹H NMR. The Chloroform intermediates were screened for their antimicrobial activity while cyclized pyridolone derivatives were screened in search of potential anti-inflammatory compounds. The compound 4c had shown good potential for anti-inflammatory activity.

INTRODUCTION: Chloroform is a α, β -unsaturated ketone which contains two aromatic moieties which can undergo several transformations such as ring closure and bridge by an ester linkage. They form a variety of important biological compounds. They are mainly intermediates in the synthesis of various biologically active compounds. The modification on the chloroform backbone result in the generation of various heterocyclic systems. The pyridone group containing compounds have been found to be essential pharmacophore, and their incorporation of these in chloroform backbone may result in compounds with significant activity^{1,2}. When synthesized chloroform

Most of the synthetic methods for pyridolone derivatives suffer from several disadvantages such as long reaction time, expensive reagents, drastic reaction conditions, low yield, tedious workup procedure, and formation of byproduct. Nowadays, the application of Ultrasonic irradiation has proved more and more interest in synthetic chemistry, which overcomes the disadvantages and accelerates the reaction rate and many synthetically useful reactions were accomplished^{3,4}.

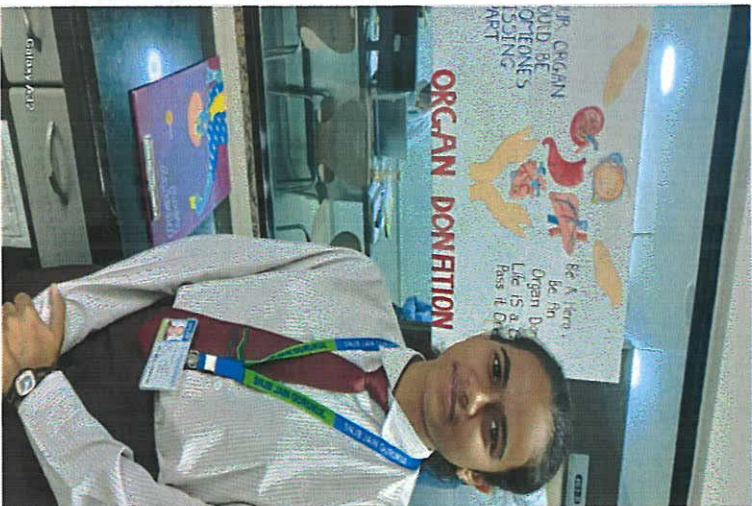
Given that the present investigation involves the synthesis of Pyridolone derivatives through



PRINCIPAL
SNJB'S SHRIMAN SURESHDADA JAIN
COLLEGE OF PHARMACY, NEMINAGAR
CHANDWAD (NASHIK)



SNJB's
SHRIMAN SURESHDADA JAIN COLLEGE OF PHARMACY
JAIN GURUKUL, NEMINAGAR,
AT/P. CHANDWAD, Tal. Chandwad, Dist. Nashik-423 101.



PRINCIPAL
SNJB's SHRIMAN SURESHDADA JAIN
COLLEGE OF PHARMACY, NEMINAGAR
CHANDWAD (NASHIK)



SNJB'S
SHRIMAN SURESHDADA JAIN COLLEGE OF PHARMACY
JAIN GURUKUL, NEMINAGAR,
AT/P. CHANDWAD, Tal. Chandwad, Dist. Nashik-423 101.

I. Problem Solving :

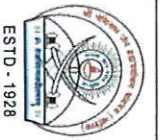
Google Classroom Assignments
Start up and Innovation Cell
Project Based Learning
Unnat Bharat Abhiyan Activity

● **Google Classroom Assignment**

The screenshots show announcements from Sanjay Patil, dated July 5, 2023, and August 4, 2023. The announcements include links to regulatory information and assignments for students to find attachments for their study material.



PRINCIPAL
SNJB'S SHRIMAN SURESHDADA JAIN
COLLEGE OF PHARMACY, NEMINAGAR



**SNJB'S
SHRIMAN SURESHDADA JAIN COLLEGE OF PHARMACY
JAIN GURUKUL, NEMINAGAR,
AT/P. CHANDWAD, Tal. Chandwad, Dist. Nashik-423 101.**



Aishwariya
Shri Manu Mandir Academy
Level 1
31373
Level 1
31373
Level 1
31373

Statistics

My Uploads	Impact
36	12700
450	34200
96	34200

Help your classmates and get more points by updating your own

Upload documents



- Shri Manu Mandir Academy posted a new assignment: **Pharm I, 1-12 slides!** (Aug 11, 2021)
- Shri Manu Mandir Academy posted a new assignment: **Pharm I, 1-12 slides!** (Aug 11, 2021)
- Shri Manu Mandir Academy posted a new assignment: **Pharm I, 1-12 slides!** (Aug 11, 2021)

- Shri Manu Mandir Academy posted a new assignment: **MPH201T MOLECULAR PHARMACEUTICS** (Aug 11, 2021)
- Shri Manu Mandir Academy posted a new assignment: **Practice Theory Paper-MCP** (Aug 11, 2021)
- Shri Manu Mandir Academy posted a new assignment: **Practice Theory Paper-MCP** (Aug 11, 2021)

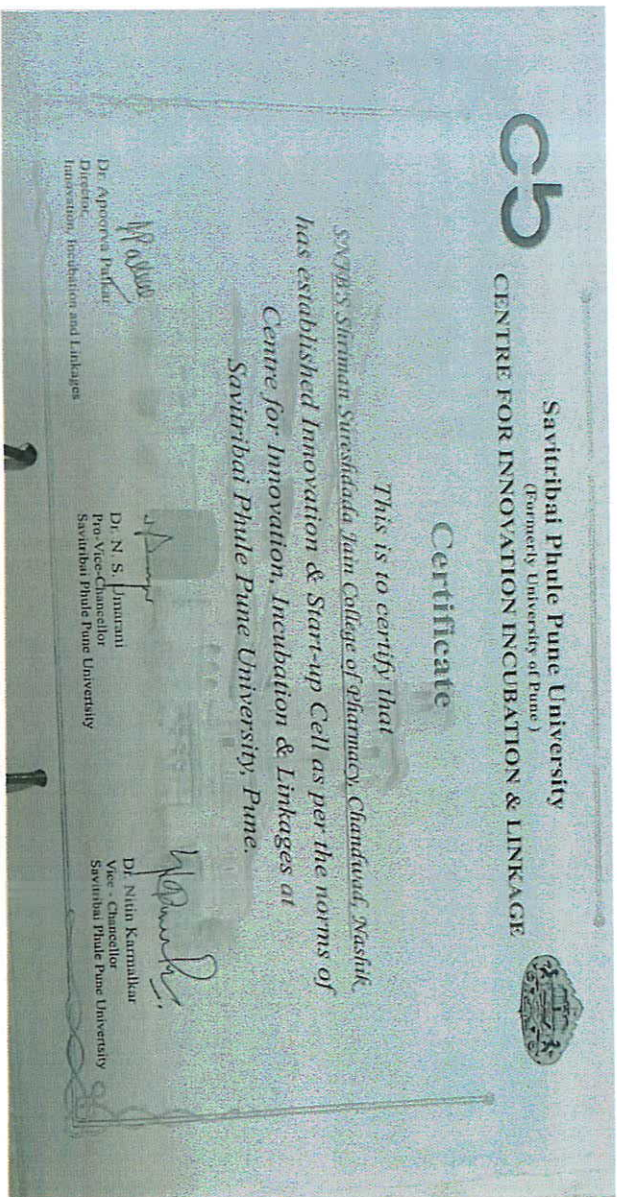


PRINCIPAL
SNJB'S SHRIMAN SURESHDADA JAIN COLLEGE OF PHARMACY, NEMINAGAR, CHANDWAD (NASHIK)



SNJB'S
SHRIMAN SURESHDADA JAIN COLLEGE OF PHARMACY
JAIN GURUKUL, NEMINAGAR,
AT/P. CHANDWAD, Tal. Chandwad, Dist. Nashik-423 101.

1. Start up & Innovation Cell :



PRINCIPAL
SNJB'S SHRIMAN SURESHDADA JAIN
COLLEGE OF PHARMACY, NEMINAGAR
CHANDWAD (NASHIK)



**SNJB's
SHRIMAN SURESHDADA JAIN COLLEGE OF PHARMACY
JAIN GURUKUL, NEMINAGAR,
AT/P. CHANDWAD, Tal. Chandwad, Dist. Nashik-423 101.**



PRINCIPAL
SNJB's SHRIMAN SURESHDADA JAIN
COLLEGE OF PHARMACY, NEMINAGAR
CHANDWAD (NASHIK)





ESTD - 1928

**SNJB'S
SHRIMAN SURESHDADA JAIN COLLEGE OF PHARMACY
JAIN GURUKUL, NEMINAGAR,
AT/P. CHANDWAD, Tal. Chandwad, Dist. Nashik-423 101.**

• Project Based Learning



**SNJB'S
SHRIMAN SURESHDADA JAIN
COLLEGE OF PHARMACY**
(Chandwad) Neminagar, Chandwad, Dist. Nashik-423 101.
NBA Accredited UG Program
Best College (Central Area) Awarded by SIPT

List of guides with the allocated students and topics of Final Year B.Pharmaceutics
Project work 2022-2023

Sl. No.	Name of Guide	Name of Student	Topics
1	Dr. V. A. Chappalwar	Bhanuree Shiradhia R Bheem Dabekar N Chandani Tulshe R Chandant Damodara S	Formulation of emulsion based shampoo containing ingredients of Natural origin
2	Dr. G. D. Basurkar	Chandani Mayur Anil Chandini Srushti Vilas Chayana Bhagywati Ashok Chalaged Falguni Hemanta	Herbal Face pack
3	Dr. A. S. Mundada	Chandhya Siddhi Nirm DheerajdhyaneshwarDipak DhanureshKishorSuresh GadgaokarNishuSudhakar	Mouth Freshener
4	Dr. S. B. Patil	GonkeshkarPratibhaReshmi Jadhav Ayurkulkul Siddhant Gopad	Formulation and Evaluation of Herbal Hair Serum
5	Dr. A. B. Upgaharwar	Jadhav Pratiksha Suresh Jain Adarshwar Sushil Jain Akshar Pooch Jain Anshu Hemanta	Study on Broad Spectrum Antibiotic Activity of Various Herbs Oils
6	Mr. V. R. Daga	Jain Anika	Herbal Lip balm

**SNJB'S
SHRIMAN SURESHDADA JAIN
COLLEGE OF PHARMACY**
(Chandwad) Neminagar, Chandwad, Dist. Nashik-423 101.
NBA Accredited UG Program
Best College (Central Area) Awarded by SIPT

List of guides with the allocated students and topics of Final Year B.Pharmaceutics
Project work 2022-2023

Sl. No.	Name of Guide	Name of Student	Subject	Topics
1	Mr. S. N. Wagh	Sandeep Sanil D Santoshkumar N Sangeeta Yash M	Composites Science	Formulation and Evaluation of A Herbal Oil
2	Dr. Vivekramant K Chaudhwar	Aparna Yash R Bhargava Vidha S	Composites Science	Formulation of A Cream Solid Shampoo Containing Ingredients of Natural Origin
3	Dr. G. D. Basurkar	DhanureshKishorK Bhavani Pooch V	Composites Science	Review on Herbal Lipstick & Report on the Project Submitted for the Partial Fulfillment
4	Dr. Sanjay B Patil	ChayanaAnushka B ChandniMadhava S Chandya Hemanta S Dhanur Siddhi B	Composites Science	Formulation and Evaluation of Powder face wash
5	Dr. H. V. Shalure	Gopalkrishna T Gore Pooch M	Composites Science	Formulation and Evaluation of Herbal Scrub-Skin Fuel
6	Dr. A. S. Mundada	Gopalkrishna A Jadhav Anantashil N BhanureshKishor BhatnagarAnil Madhureshwar Madhureshwar	Composites Science	Final paper Scrub A report on the Project Submitted for the Partial Fulfillment
7	Dr. Anuraj Upgaharwar	Deshmukh Deep A DeshmukhKaran C Dhruvashilpa S DurgadeepDhanuram Lohabhadra V Madhureshwar V Madhureshwar D	Composites Science	Preparation and Evaluation of poly Herbal Bath Soap
8	Mr. L. P. Kothari	Omprakash D	Composites Science	Formulation and In vitro Evaluation of Herbal Sunscreen Gel



(Handwritten signature)

PRINCIPAL
SNJB'S SHRIMAN SURESHDADA JAIN
COLLEGE OF PHARMACY, NEMINAGAR
CHANDWAD (NASHIK)