



Maulana Azad Educational Trust's

Y. B. Chavan College of Pharmacy

(B. Pharm., M. Pharm. & Research Centre)

ISO 21001:2018 & 14001:2015 | NIRF 2023 AIR 80th
NAAC ACCREDITATION "A" GRADE (CGPA SCORE 3.23)

Dr. Rafiq Zakaria Campus, Dr. Rafiq Zakaria Marg, Rauza Bagh, Aurangabad-431001 | www.ybccpa.ac.in

Photographic Evidence of Student Centric Methods

Sr.No	Student Centric Methods
1	<u>Discovery Exploration & learning</u>
2	<u>Participative Learning</u>
3	<u>Problem Based Learning</u>
4	<u>Role Learning</u>
5	<u>Remote/online Learning</u>

DISCOVERY EXPLORATION & LEARNING



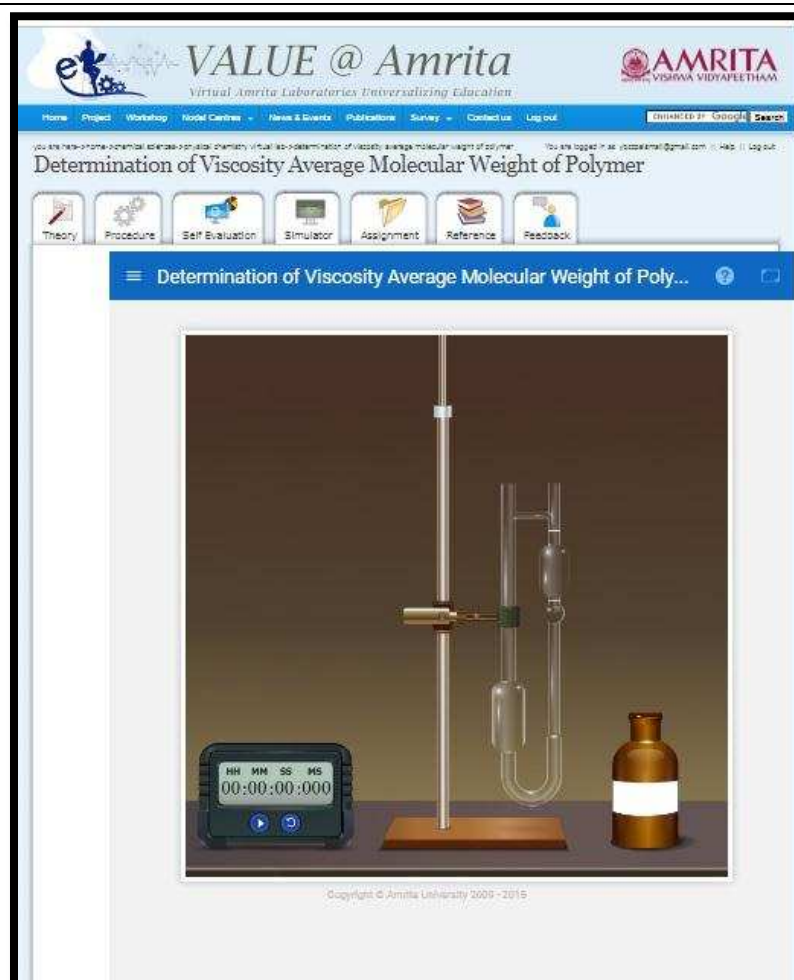
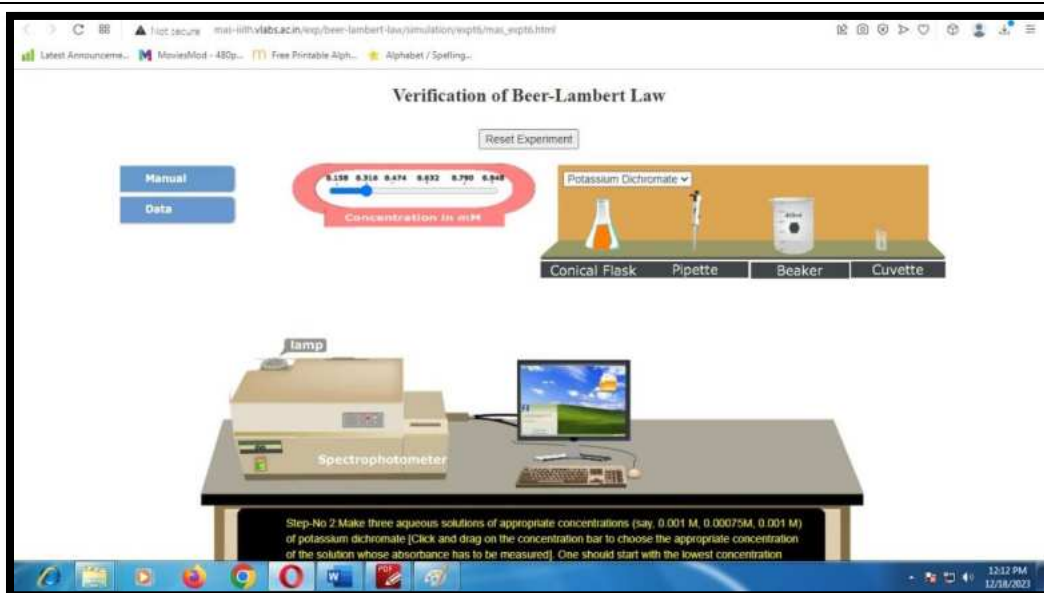
Peer Assisted Learning: Conducting quiz competition of IIC



Curriculum Practicals (B.Pharm Sem-I, Pharmaceutics Practicals & B.Pharm Sem-VII practice school)



Research Work (M.Pharm sem III Chemistry students carrying their research project)



Experimental Simulations on Mol Wt determination using Ostwald viscometer at Amrita University website



Field Visits (Survey on eye conjunctivitis by students B.Pharm VII sem at various medical stores & hospitals, Aurangabad (7th August 2023 to 19th August 2023))



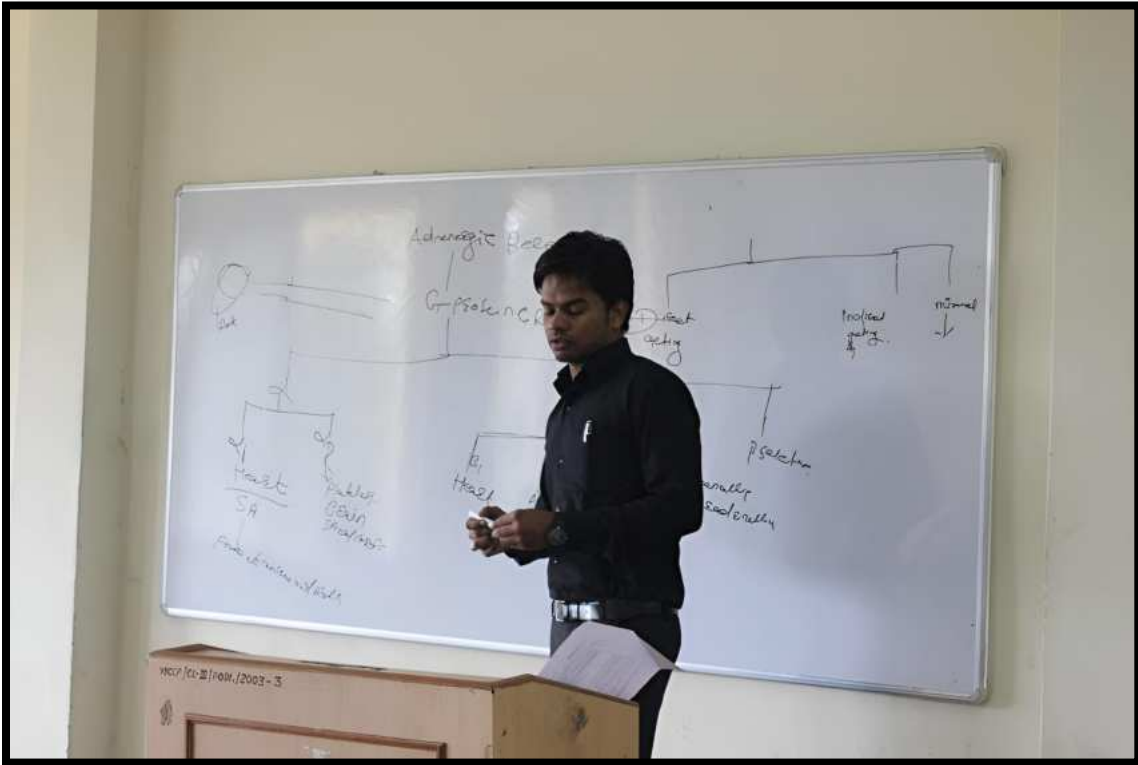
Industrial Visits carried out at Adora Products, Aurangabad



Conferences (faculty & students visiting to 72th IPC conference 19th Jan 2023)



Guest Lectures (a. Successful Entrepreneurs by Mr. Faisal Siddique. B. Neurodegenerative Diseases by speaker Mr.Md Yousuf on 12th Aug 2023)



Job Shadowing: Student taking lecture on the occasion of teachers day
5th sept 2023



Research Paper Presentation

- Shaikh Affan B.Pharm IIIrd sem presenting paper at Harvard University, USA. June-Aug 2022
- International Pharmacist Day celebration 25th September 2023, Poster Presentation by B.Pharm & M.Pharm students at Govt College of Pharmacy, Aurangabad

Synthesis, biological evaluations and computational studies of *N*-(3-(2-(7-Chloroquinolin-2-yl)vinyl) benzylidene)anilines as fungal biofilm inhibitors

Firuz A. Kalam Khan^a, Rashmi N. Kaduskar^b, Rajesh Patil^c, Rajendra H. Patil^d, Siddique Akber Ansari^e, Hamad M. Alkhatib^f, Abdulrahman A. Alnechisi^g, Devanand B. Shinde^h, Jaiprakash N. Sanghetti^{i,*}

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^b T. B. Chavan College of Pharmacy, Dr. Biju Sahasra Centre, Aaregambal 411 001, M.S., India
^c Institute of Pharmaceutical Sciences, J. K. Somaiya Institute of Pharmacy, Andheri West, 400 053, Mumbai, India
^d Department of Biochemistry, Sardar Patel University, New 411007, M.S., India
^e Department of Pharmaceutical Chemistry, College of Pharmacy, King Saud University, P.O. Box 2454, Riyadh 11451, Saudi Arabia
^f Alnechisi University, Hail, Saudi Arabia
^g Alnechisi University, Hail, Saudi Arabia
^h Alnechisi University, Hail, Saudi Arabia
ⁱ Alnechisi University, Hail, Saudi Arabia

ARTICLE INFO

Keywords:
 Quinoline
 Fungal biofilm inhibitors
 Antifungal activity
 Molecular docking
 Molecular dynamics

ABSTRACT

In the present investigation, new chloroquinoline derivatives bearing vinyl benzylidene aniline substituents at 2nd position were synthesized and tested for biofilm inhibitory, antifungal and antibacterial activity. The results of biofilm inhibition of *C. albicans* suggested that compounds 9b (IC₅₀ value = 50.2 μM) and 9c (IC₅₀ value = 66.2 μM) possess promising antifungal inhibition when compared with the standard antifungal drug fluconazole (IC₅₀ = 40.0 μM). Two compounds 9a (IC₅₀ = 14.2 μg/ml) and 9b (IC₅₀ = 16.0 μg/ml) also exhibited good antifungal activity comparable to standard drug fluconazole (IC₅₀ = 10.0 μg/ml). The antifungal screening against four strains of bacteria viz. *E. coli*, *P. aeruginosa*, *B. subtilis*, and *S. aureus* suggested that compound 9b exhibited activity and especially all the compounds except 9a were found more active than the standard drug ciprofloxacin against *B. subtilis*. To further gain insight into the possible mechanism of these compounds in inhibiting biofilm through the agglutination process (AD), molecular docking and molecular dynamics simulation studies were carried out. Molecular docking studies suggested the clear role in inhibition of this protein and the resulting biofilm inhibitory activity.

Nitrogen bearing heterocyclic compounds has been the target class of organic heterocyclic compounds possessing diverse biological properties and thus continually being explored to meet challenges in drug discovery and design. Quinoline is an important nitrogen-containing heterocyclic ring and its derivatives possess diverse bioactivities such as antitumor, anticancer, antidiabetic, antiparasitic, antileishmanial, antischistosomal, antihistaminic and analgesic, antidiabetic, anti-epileptic, antihypertensive, antifungal and anticancer activities.^{1–3} Some of the quinoline ring based antimicrobial agents currently being used as therapeutic agents are presented in Fig. 1.

Microorganisms are continually evolving with newer means to cope up with antibiotics, antifungals and antivirals.⁴ The process of cell to cell communication, called Quorum Sensing (QS) in bacteria, results in altered gene expression and subsequent survival and pathogenesis of bacteria.^{5–7} Quorum sensing modulates formation of biofilm which is an association of micro-organisms where cells adhere to each other

within matrix of extracellular polymeric substances.^{8,9} Thus the QS results in release of variety of chemical signals. Formation of pores and formation of water channels conferring the resistance in microbial colonies.^{10–12} Among the different microorganisms, the Gram negative bacterium *Pseudomonas aeruginosa* is responsible for biofilm growth and has gained much attention, since they can form biofilms in urinary tract, kidney, lungs, leading to inflammation and septic shock. Thus, to study bacterial biofilm inhibition, *P. aeruginosa* can be used as model organism.¹³ In immune-compromised patients *Candida albicans* can cause superficial and systemic infections.^{14–16} Further, in hospitalized patients, it is the major cause of morbidity and mortality.¹⁷ The QS supports the formation of complex biofilms from the budding state and subsequent colonization, entry in blood stream and virulence. Thus, the biofilm formation has aggravated the problem of resistance in *C. albicans* infections.¹⁸ All these issues suggest that there is strong need to develop more effective antimicrobial treatment mainly against infections

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 Available online 21 December 2019
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RSC Advances

REVIEW



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 Accepted 28th December 2019
 DOI: 10.1039/C9SC01000A
 not for redaction

SGLT inhibitors as antidiabetic agents: a comprehensive review

Rahul P. Kishnagar,^{1*} Abhishek A. Kulkarni,^{1*} Rashmi S. Choudhary,² Shahebaz K. Pathan,³ Hemant D. Ume,⁴ G. Bharanprakash Reddy,⁵ Prakash V. Dhanu,⁶ Siddique Akber Ansari⁷ and Jaiprakash N. Sanghetti^{8,9}

Diabetes is one of the most common disorders that substantially contributes to an increase in global health burden. As a metabolic disorder, diabetes is associated with various medical conditions and diseases such as obesity, hypertension, cardiovascular diseases, and atherosclerosis. In this review, we cover the scientific studies on sodium-glucose cotransporter (SGLT) inhibitors published during the last decade. Our focus on providing an exhaustive overview of SGLT inhibitors enabled us to present their chemical classification for the first time.

1. Introduction

Diabetes mellitus (DM) is a common disorder associated with metabolic dysfunction that affects people all around the world. In 2013, the estimated prevalence of DM was 166 million cases, which are predicted to increase to approximately 533 million by 2036.¹ The growing pervasiveness of diabetes has been linked to an increasing global health burden over the last several decades.² DM is often linked to various other chronic conditions and disorders such as obesity, hypertension, cardiovascular diseases or atherosclerosis, resulting in a significant decrease in life expectancy. It also increases the associated

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⁵ Department of Biochemistry, Sardar Patel University, New 411007, M.S., India
⁶ Department of Biochemistry, Sardar Patel University, New 411007, M.S., India
⁷ Department of Pharmaceutical Chemistry, College of Pharmacy, King Saud University, P.O. Box 2454, Riyadh 11451, Saudi Arabia
⁸ Alnechisi University, Hail, Saudi Arabia
⁹ Alnechisi University, Hail, Saudi Arabia



Rahul P. Kishnagar is currently working as a Professor and principal at the Vaidya Institute of Pharmacy, Aaregambal, Maharashtra, India. He completed his M. Pharm in Pharmacology and submitted his Ph.D. in Pharmaceutical Sciences. He has 20 peer reviewed research publications in various national and international journals to his credit. He received a Young Investigator Grant in 2014 from the International Atherosclerosis Society Asia-Pacific Fellowship and a Young Investigator Award in 2015 from the European Atherosclerosis Society. His area of research is diabetes and cardiovascular complications. Up until now he has guided 30 postgraduate students.



Abhishek A. Kulkarni graduated from VIT Vellore College of Pharmacy, Dr. Babasaheb Ambedkar Marathwada University, Aaregambal (MS), India in 2012 with distinction. He received his master's degree in Pharmaceutical Chemistry with distinction from the T. B. Chavan College of Pharmacy, Aaregambal (MS), India under the guidance of Dr. Jaiprakash N. Sanghetti in 2013. He has presented various scientific papers on topics related to Pharmaceutical Chemistry at both state and national level. His area of research includes the design and synthesis of novel heterocyclic imidazole bioactive compounds and evaluation of their antidiabetic, antitumor and anticancer activities. He is also working on the one-pot multicomponent synthesis of various bioactive molecules using various reusable catalysts.

Research Papers (published in various reputed journals)



Grooming Training on Womens Day 8th March 2023



Hands on Training:

- On fire extinguisher handling on 8th Nov 2023 at YBCCPA
- Hands on training on 3D printing at Atal Incubation Centre Dr. BAMU. Aurangabad (25th Feb 2023)

PARTICIPATIVE LEARNING



Group Discussion: M.Pharm sem-I Pharmaceutics students having group discussion on DDS subject



Quiz Competition (on Patenting of Indian Pharm Formulation carried on 15th dec 2023 by Ms. Chisti Nahid A)



Role Play (Mr. Mohsin B.Pharm Sem-VII student as a principal role) & Diagnostic Camp held on 17th August 2023 in association with Metropolis Healthcare



Eye check up(22nd Feb 2023) & Health Check up camp 26th February 2023




Health Checkup Camps (Eye checkup (fatiyabad) and medical health checkup at Matoshree Old age Home Feb 2023)




Community Outreach Activities (NSS camp 21-27 Feb 2022-23 at Fatiyabad, Aurangabad)




Community Outreach Activities (NSS camp 21-27 Feb 2022-23 at Fatiyabad, Aurangabad)



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National Service Scheme
In association with
AURANGABAD MUNICIPAL CORPORATION

Workshop on Polio Vaccination
23rd February 2022

Venue:
YBCCPA Auditorium

Time:
12:00 PM





Dr. Bawazir Abubakar
I/C Principal


Dr. Nikhil Sakle & Mr. Ansari Altamash
NSS Program Officer

**पूरा तभी
आपका प्यार
नम मिले बच्चे को
पोलियो खुराक हर बार**


पूरा तभी आपका प्यार नम मिले बच्चे को पोलियो खुराक हर बार

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Dr S.R.Lahoti Lecture at YBCCPA Topic: "History, present scenario & opportunities for Entrepreneurs"



YBCCPA IIC
69 subscribers

2


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Polio Vaccination (23rd Feb 2022) & Microteaching



Swachh Bharat Abhiyan: At Daultabad Fort, Aurangabad 13th Aug 2022























Dr. Rafiq Zakaria Campus
Maulana Azad Educational Trust's
Y. B. Chavan College of Pharmacy
Aurangabad



ISO 21001:2018 & 14001:2015 | NIRF-2022 ALL INDIA RANK 65th | NAAC "A" GRADE (CGPA 3.23) | UGC 2(f) 12(B)

Hearty Congratulations

NIPER JEE - 2022 QUALIFIED - 20

 Samia Shaikh AIR - 51	 Prashant Janjal AIR - 136	 Marvi Oeshmukh AIR - 183	 Ansari Faizan AIR - 257	 Karishma Agrawal AIR - 348
 Amir Madje AIR - 438	 Sayyad Ajim AIR - 604	 Paltan Imran AIR - 769	 Jibran Shaikh AIR - 850	 Goryad Saqlain AIR - 1021
 Asif Shaikh AIR - 1091	 Syed Umar AIR - 1428	 Shaikh Shabnoor AIR - 1463	 Mohsin Larzi AIR - 1500	 Nishat Qazi AIR - 1735
 Mohammed Shaikh AIR - 1887	 Sajid Shaikh AIR - 2015	 Shoeb Shaikh AIR - 2800	 Hussain Nadaf AIR - 2987	 Mohammed Arafat AIR - 1199





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NAAC ACCREDITATION "A" GRADE WITH 3.23 CGPA SCORE
(ISO 9001:2008 CERTIFIED)



nirf 2020 - All India Rank 48th

Hearty Congratulations

NIPER JEE-2020 QUALIFIED-23

 Mr. Faisal Usmani AIR-184	 Mr. Sayyad Saqlain AIR-147	 Mrs. Nigam Nigam AIR-127	 Mr. Mohammad Saqlain AIR-174	 Mr. Saqlain Saqlain AIR-124	 Mrs. Nigam Nigam AIR-124 (21% Fee)
 Mr. Saqlain Saqlain AIR-180	 Mr. Saqlain Saqlain AIR-124	 Mr. Saqlain Saqlain AIR-124 (21% Fee)	 Mr. Saqlain Saqlain AIR-124 (21% Fee)	 Mr. Saqlain Saqlain AIR-124	 Mr. Saqlain Saqlain AIR-124
 Mr. Saqlain Saqlain AIR-124	 Mr. Saqlain Saqlain AIR-124	 Mr. Saqlain Saqlain AIR-124	 Mr. Saqlain Saqlain AIR-124	 Mr. Saqlain Saqlain AIR-124	 Mr. Saqlain Saqlain AIR-124
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Dr. Mirza Shahed Baig
(NIPER - Coordinator)

Dr. Abubakar Bawazir
(S.C. Principal)

Competitive Exams Results NIPER JEE-2020 & 2022



Wall Magazines showing significance of organ donation & biosynthesis of secondary metabolite located on different floor of building



A journal club is a group of individuals who meet regularly to critically evaluate recent articles in the academic literature, such as the scientific literature, medical and health science related literature. Journal clubs are usually organized around a defined subject in basic or applied research.



Dr. M. H. Dehghan
Principal



Mr. Affan Shaikh
Club lead



Mr. Ansari Altamash
Co-ordinator



Mrs. Nahid Chishti
Co-ordinator

CONTACT PERSON: 7447274461

Y.B.CHAVAN COLLEGE OF PHARMACY

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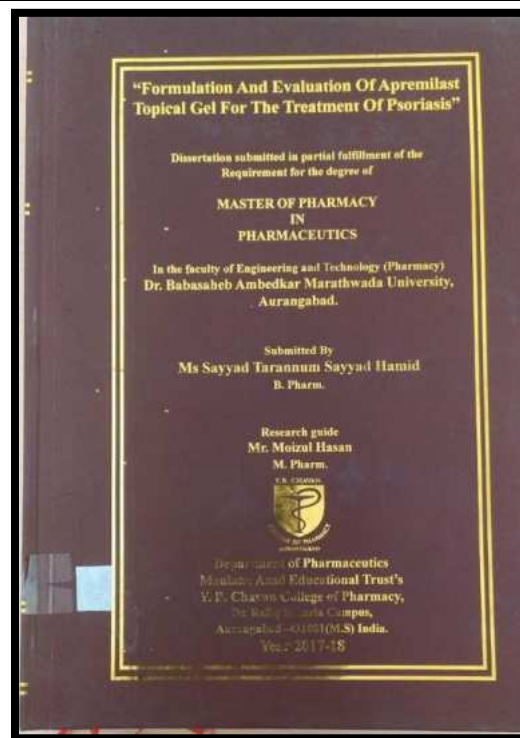
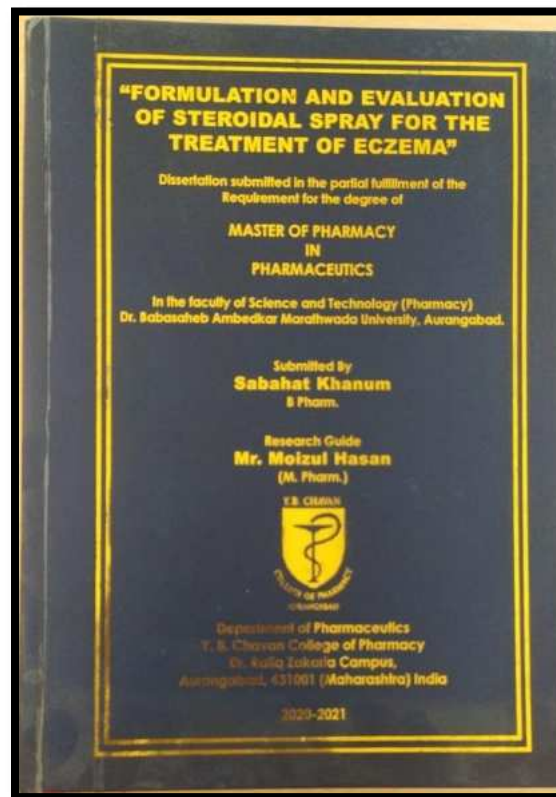
Made with PosterMyWall.com

Journal Club: showing members of Journal club to students



Alumini Meet showing students interacting with college alumini students, conducted on 6th Jan 2024

PROBLEM BASED LEARNING



Problem Based Research Topic selection: Thesis copy of research studentsshowing treatment of Eczema &... of Psoriasis



Critical thinking & Ideation

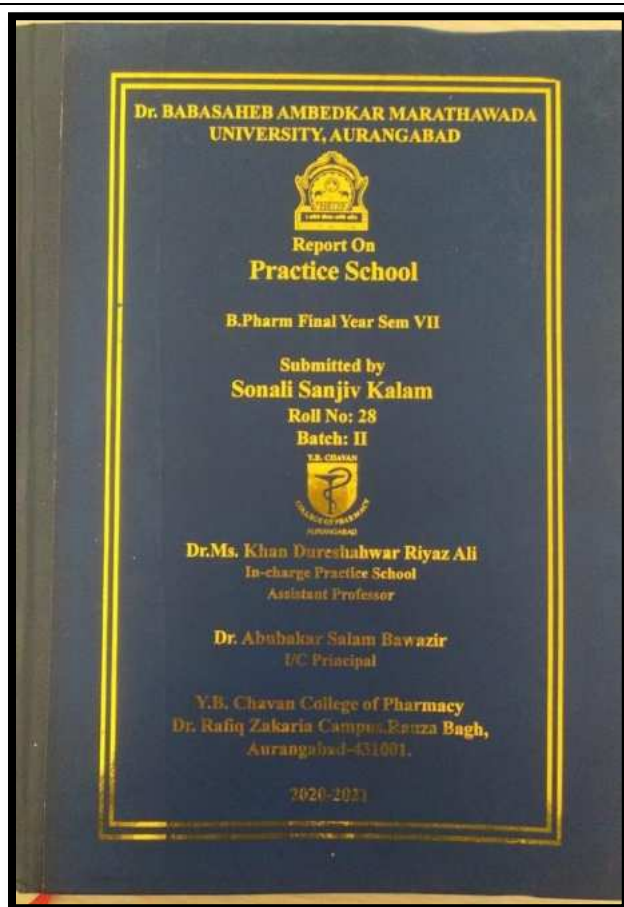
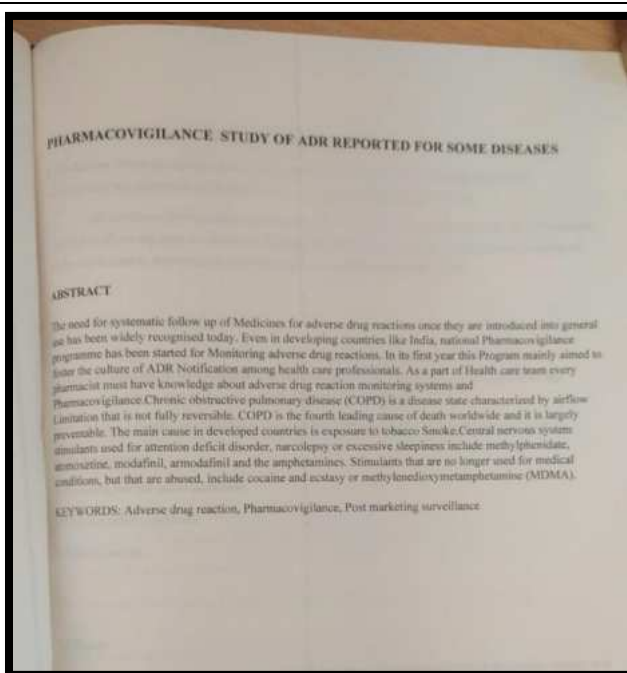


Team No.1- Water purification assembly using plastic bottles and old pipes



Team no.7- Vacuum cleaner using plastic bottles and motors of old damaged toys

Critical thinking & Ideation



Case based learning in School Practice reports by B.Pharm VII sem students



Scaffolded learning: M.Pharm students supported to carried out their research work

ROLE LEARNING




Community Awareness: NSS Camp at Fatiyabad, Aurangabad 21-27th Feb 2023



TB Health Awareness 2019-20 & Polio Vaccination 24th Feb 2023



	Dr. Rafiq Zakaria Campus Maulana Azad Educational Trust's Y. B. CHAVAN COLLEGE OF PHARMACY (H. Pharm, M. Pharm & Research Centre) ISO 21001:2018 CERTIFIED NIRF 2022 ALL INDIA RANK 65 TH NAAC ACCREDITATION "A" GRADE WITH 3.23 CGPA SCORE
<u>Activity Report</u>	
Type of activity: World Pharmacist Day	
Title of activity: Intercollegiate PowerPoint Competition and Rally	
Objective of activity: <ol style="list-style-type: none"> 1. To develop presentation skills and acquire knowledge regarding the wide role of Pharmacy Profession on a global platform. 2. To appreciate and recognize the hard work done by community pharmacist in serving the society. 	
Name of the organization committee: Holistic Health Club under AICTE SPICES in association with Extra-Curricular Committee of the institute, IPA Aurangabad and APTI Maharashtra	
Date and time: Intercollegiate Power Point Competition-24/09/2022; 11:00 am onwards Rally-26/09/2022; 11:00 am onwards	
Duration of the activity: Intercollegiate Power Point Competition-4 hrs Rally-1 hr	
Expenditure Amount if any: Rs.13,100/-	
Target Students for Rally: 300	
No. of Participants for Intercollegiate Power Point Competition: 35	
External participants for Intercollegiate Power Point Competition : 27	
Mode of Session: offline	
Program type: Contest and Awareness Campaign	

Yoga Day & Other days celebration




Dr. Rafiq Zakaria Campus
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YB CHAVAN COLLEGE OF PHARMACY

ISO 14001:2015 ISO 21881:2018 ISO 9001:2015 NMAC YBGPAA 3.25A 1.131





On the Occasion of
World Pharmacist Day
HOLISTIC HEALTH CLUB
Under AICTE - SPICES Scheme
Aurangabad

IPA, APTI & Extra-Curricular committee of YBCCPA

Organizes

InterCollegiate Power Point Presentation Competition
Theme :
**"Pharmacist United
in action for
A HEALTHIER WORLD"**

Important Dates:
Last Date of Registration
23-09-2022

Date of Powerpoint Presentation
24-09-2022

Mode Of Presentation : **Offline**

Trophy & Certificate for the First Two Winners
All Participants will get the Certificate of Participation

Dr. S. R. Lalit
Head Institute & HOD Pharmacy
YBCCPA

Dr. Madhura Chitambar
HOD Chemistry



Dr. Shreshth Kumar Khan
Head Institute
Aurangabad College

Dr. Rajendra Kumar
Head Institute
Aurangabad College

Dr. Shubham Kumar
Head Institute
Aurangabad College




**Saturday 24th
September 2022
2:00 PM Onwards**
at
**YB Chavan College of
Pharmacy, Aurangabad.**




Dr. Rafiq Zakaria Campus
Maulana Azad Educational Trust's
YB CHAVAN COLLEGE OF PHARMACY

NMAC YBGPAA 3.25A 1.131 ISO 9001:2015 ISO 14001:2015 ISO 21881:2018 & ISO 14001:2015

HOLISTIC HEALTH CLUB
Organizes

Rally On 26th September, 2022
On the Occasion of
WORLD PHARMACIST'S DAY
"Pharmacist United in action for A Healthier World"
Under AICTE-SPICES Scheme
In Association with
**APTI Maharashtra , IPA Aurangabad &
Extra-Curricular Committee.**



Day Celebration

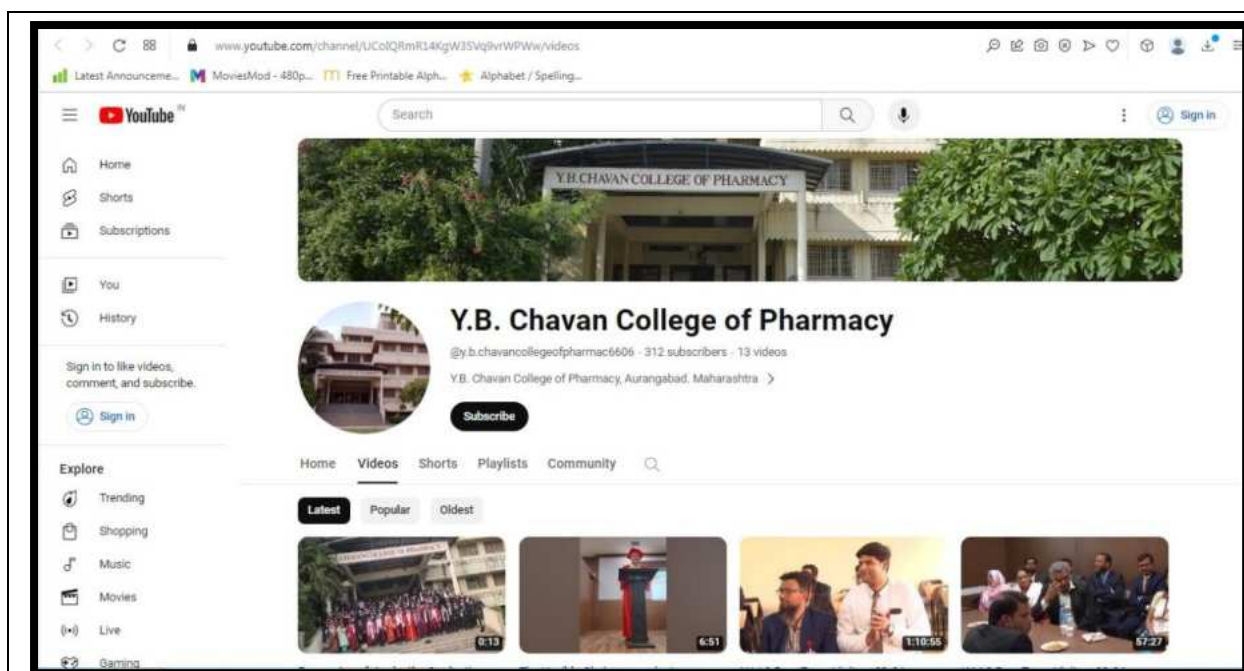


Independence Day (15th Aug) & Republic Day (26th Jan)
Celebration Yearly



National Pharmacy Week Participating in other colleges (Srinath College of Pharmacy, Aurangabad on 15th Feb 2024)

REMOTE LEARNING



College Youtube Channel & Twitter Channel: showing videos uploaded on youtube and information being posted on twitter channels

archive.nptel.ac.in/LocalChapter/s poc_login/home.php

Latest Announceme... MoviesMod - 480p... Free Printable Alph... Alphabet / Spelling...

SWAYAM-NPTEL Local Chapter Home Downloads Fee waiver - Internship Mentors - NPTEL stars Logout

Manage College and SPOC Profile

College Profile SPOC Profile Req Letter Ack Letter

College Profile

College Address
Y B CHAVAN COLLEGE OF PHARMACY AURANGABAD, RAUZA BAGH, PO: 33

AURANGABAD

MAHARASHTRA

Contact No: 9860440856

Alternate No:


College Id : 220


DR MOHAMMAD ISMAIL MOUZAM
Y B CHAVAN COLLEGE OF PHARMACY AURANGABAD

SPOC Timeline

SPOC Conference Support Request

LC Profile Changes Request

 **NPTEL Online Certification**
(Funded by the MoE, Govt. of India)




This certificate is awarded to
VAISHALI BHOLARAM ADCHITRE
for successfully completing the course

**Spectroscopic Techniques for Pharmaceutical
and Biopharmaceutical Industries**
with a consolidated score of **53** %


Online Assignments	22.72/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **108**



Prof. Devendra Jalihal
Chairperson,
Centre for Outreach and Digital Education, IITM

Jul-Oct 2023
(12 week course)


Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras

 Indian Institute of Technology Madras

 **swayam**
FREE ONLINE EDUCATION
NPTEL, COORDINATOR, IIT MADRAS

Roll No: NPTEL23CY44S631400373 To verify the certificate  No. of credits recommended: 3 or 4

Swayam/NPTEL Courses (showing NPTEL SPOC profile & certificate courses carried out by students)

shodhganga.inflibnet.ac.in/handle/10603/223235

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Title:	Design and development of novel drug delivery systems for some poorly water soluble drugs
Researcher:	Mundada Veeni P.
Guide(s):	Sawant Krutika K.
Keywords:	Clinical Pre Clinical and Health, Pharmacology and Toxicology, Pharmacology and Pharmacy Pharmacy
University:	Maharaja Sayajirao University of Baroda
Completed Date:	2018
Abstract:	none newline

www.labxchange.org/library/items/1b1LabXchangeb4d9f487b_simulation1

Latest Announceme... MoviesMod - 480p... Free Printable Alph... Alphabet / Spelling...

Transforming Bacteria

LabXchange

LAB NOTEBOOK
Transforming Bacteria

PROTOCOL

1. Set the water bath temperature.

Set the water bath temperature to 42°C by selecting the correct temperature setting.

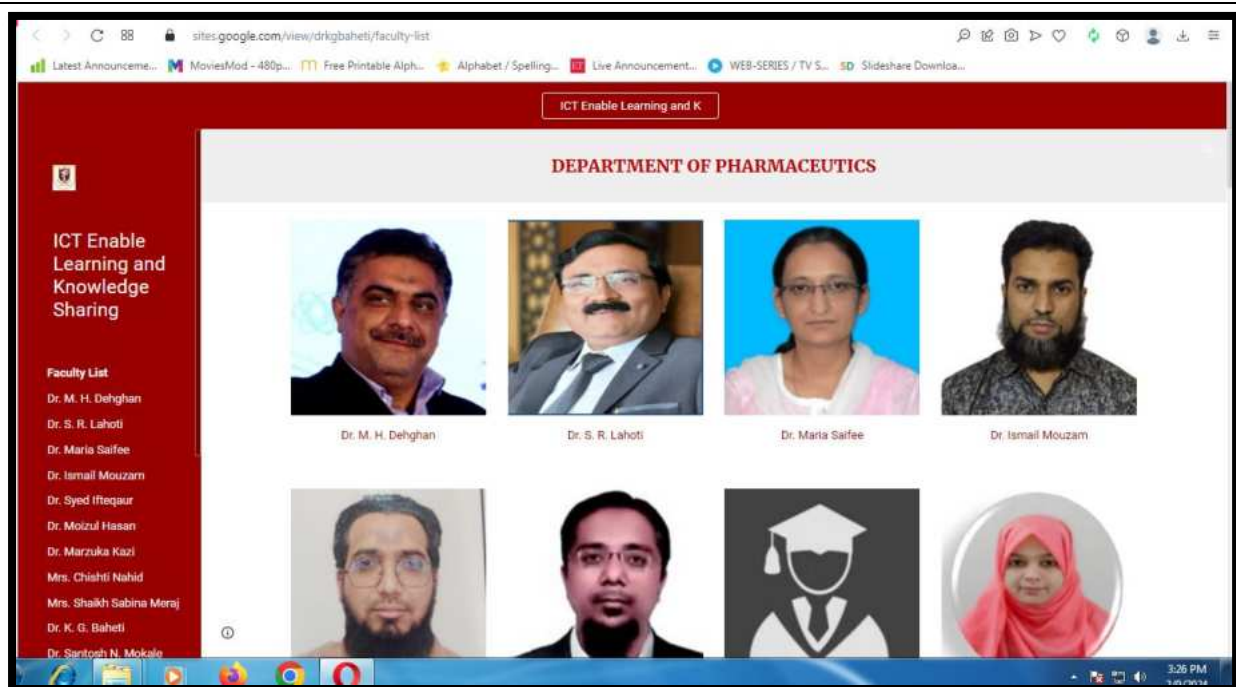
Restart step

100%

1.a

Next

Inflibnet (being used for research guidance) & Virtual Labs (practical aspect of transforming bacteria)



ICT enabled learning platform (students can click particular faculty to get their study materials)