

Student Centric Methods

2.3 Details of Student centric methods, such as experiential learning, participative learning and problem Solving methodologies are used for enhancing learning experiences using ICT tools are given below-

Index- Participative Learning

Sr. No	Particulars of Document	Documents
1.	Pharma news hour- 2022-2023 , 2021-2022 , 2020-2021	View
2.	Book Review - 2022-2023 , 2019-2020 , 2018-2019	View
3.	Podcast- 2022-2023 , 2021-2022	View
4.	Use of online quiz tools	View
5.	Charts, models or posters preparation	View
6.	Journal Club	View
7.	Game based learning- Word search puzzle competition	View

Pharma News Hour

AY 2022-23

19/08/2022

DATE / /

Sr.No.	NEWS HEADLINE	SOURCE
1.	Evonetix commences access programme for synthesised DNA.	The Economic Times and Plasma Times
2.	"Senior issue": scan data GPO makarr spending Rf 1k cr as freebie to doctor for prescription	The Economic Times & deighunt.
1.	LUPIN received approval from USFDA for FORMOTEROL FUMARATE Inhalation 801 ⁿ . Treating COPD.	Business Today. In
2.	Zydus gets Tentative Approval from USFDA for Sugammadex Frjection	Healthworld.com (economictime)

AUGUST '22

DATE 19/08/2022

NAME OF STUDENT	DEPARTMENT	SIGN
Payal. Y. Kaitkar	Q.A	
Jay A. sonule	Q.A.	
16 th September 2022		
Akash Bhusari	QA	
Abhijeet Bidkar	QA.	

16/09/2022

DATE / /

Sr.No	NEWS HEADLINE	SOURCE
3.	DCGI Gives EUA to India's First Nasal vaccine Against COVID-19 to Bharat-Biotech	Express pharma
4.	Quadrivalent Human papillomavirus (qHPV) vaccine, first vaccine on cervical cancer	India Today

SEPTEMBER '22

DATE 16/09/2022

NAME OF STUDENT	DEPARTMENT	SIGN
Veushali varpe	QA	
Shubhangi Bidkar	QA	

DATE 06/10/2022

Sl. No.	NEWS HEADLINE	SOURCE
1.	Glenmark launches LOBEGLITAZONE in India for uncontrolled type II diabetes in adults	Express Pharma Dt. 06/10/2022
2.	Zydus receives final US FDA approval for Brivaracetam tablets	EP News Bureau Dt. 06/10/2022
3.	Lupin gets USFDA nod for generic HIV drug	The Economic Times dt - 04/10/22
4.	QR codes could be used to check if medicines are fake	The Economic Times 03/10/22
5.	DCGI allows serum Institute to export malaria vaccine to UK	The economic Times 29/9/22

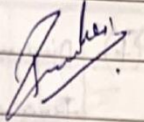
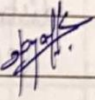

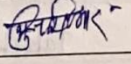
OCTOBER 122
DATE 06/10/2022

NAME OF STUDENT	DEPARTMENT	SIGN
Abhijeet Bidkar	QA	
Payal Y. Kaitkar	QA	
Rutuja R. Parit	Q.A.	
Vampr Vrushali	QA	
Arti Khadtare	QA	

DATE / /

Sr.No.	NEWS HEADLINE	SOURCE
1.	Nutrizeo launches dissolvable oral strips for pregnancy, periods & nausea.	Express pharma
2.	USFDA inspection: Glenmark Plasma gets warning letter for GQA facility	medcaldialogues.in.
3.	Eli Lilly introduces medication for early stage breast cancer.	indiatimes.com
4.	US FDA issue warning letter to Lupin for MH base API Plant (cleaning equip procedures) <small>problem</small>	Express pharma

NOVEMBER '22
DATE 24/11/22

NAME OF STUDENT	DEPARTMENT	SIGN
Prajakta P. Chauthe	Quality Assurance	
Payal Y. Kaitkar	QA	
Pratiksha M. Shinde	QA	
Akash R. Bhusari	QA	

DATE / /

Sr.No.	NEWS HEADLINE	SOURCE
(1)	Discussion on:- Teva and Sandoz make major push to Biosimilars AND	EXPRESS PHARMA (NOV 23, 22)
(2)	Zuventus launches Aviptadil for acute respiratory distress syndrome (26 Nov 2022)	BioSpectrum (02 Dec/22 Report)
(3)	Alembic pharma gets USFDA nod for generic version of Glycopyrrolate injection	Money control Nov 1, 2022
(4)	TB pharma announces USFDA approval for its generic venlafaxine extended release Tablet	Express pharma

DECEMBER 2022
DATE 02/12/22

NAME OF STUDENT	DEPARTMENT	SIGN
Payal Y. Kaitkar	QA	
Payal Y. Kaitkar Akash Bhusari	QA	
Shubhangi Bidkar	QA	
Akash Bhusari	QA	

DATE / /

Sr.No.	News.	Name
1	USFDA approves Miralix Therapeutic's Adagrasib for advanced stage lung cancer.	Akash R. Bhavsari
2.	India says samples taken from plasma firm linked to Gambia deaths meet required standards.	Pooja K. Chitambar
3.	Serum Institute of India manufacture ebola virus vaccine & ships to the Uganda	Pratiksha Chaudhary

DATE 16/12/22

Source	Department	Sign.
Express Pharma	QA	[Signature]
The Economic Times	QA	[Signature]
Express Pharma	Q.A	[Signature]

DATE 23/12/22

Sr. No.	News	Name
1.	India approves Nasal vaccine for Covid 19 amid fear around BF7 Variant	Arbi Khadtare
2.	COVID-19 pandemic! India reports 163 fresh cases in last 24 hours, active tally come down to 3,380	Shubhangi Bidkar
3.	Nepal Bans import from 16 Indian Pharma Companies for Flouting Norms.	Payal Kavita
4.	Mankind pharma enters PET-care segment with Pet-star dog food.	Payal Kavita

Source	Department	Sign.
Zee news	QA	Arbi
India TV	QA	S.R. Bidkar
Medical Dialogues.com	QA	Shubhangi
Business Today	QA	Shubhangi

DATE / /		DATE 16/01/23	
Sr.no	NFWS	NAME	SIGN
1)	Sun Pharma launches generic version of Pfizer's blockbuster cancer drug	Arti A. Khadtare	Arti
2)	Data Integrity Issues at INTAS Pharma- USFDA issues form-483 with 11 observations for Gujarat Unit	Pooja Y. Kaitkar	[Signature]
3)	USFDA pulls up Sun Pharma for lapses in Habel plant.	Pranjana Chandra	[Signature]

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AY 2021-22

Participative Learning in 2021-22:

An activity termed as "Pharma News Hour" was conducted. The students were encouraged to discuss current pharma related news. They learnt concepts of regulatory audits, observations in Form 483 through current published news in online or print media.

M.C. Damle

Dr. M.C. Damle



[Handwritten Signature]

Principal
AISSMS College of Pharmacy
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AY 2020-21

An activity termed as 'Pharma news Hour' was conducted. Students were encourage to discuss current pharma related news.


Dr. M.C. Damle




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Book Review Activity

AY-2022-2023

Students of Second Year B.Pharm actively participated in Book review activity held on 20th March 2023 in the subject of Pharmaceutical Organic Chemistry III. This activity was conducted by the subject teacher Mrs. K.D Asgaonkar. Students referred theory as well as practical books of Organic Chemistry available in the college library. About 25 books were reviewed and presented by the students. This activity encouraged students in developing referencing habit, enriching their study material and also introduced them to topics beyond the scope of the syllabus. This in turn would help them in preparing for various competitive exams.




Mrs. K.D Asgaonkar


Dr. Ashwini R Madgulkar
Principal
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AY 2019-2020

Semester III- Students of Second Year B.Pharm actively participated in Book review activity held on 27th August 2019 in the subject of Pharmaceutical Organic Chemistry. This activity was conducted by the subject teacher Mrs. K.D Asgaonkar. Students referred all the theory as well as practical books of Organic Chemistry available in the college library. About 35 books were reviewed and presented by the students. This activity encourages students in developing referencing habit, enriching their study material and also introduces them to topics beyond the scope of the syllabus. This in turn would help them in preparing for various competitive exams.




Mrs. K.D Asgaonkar



Dr. Ashwini R Madgulkar
Principal
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Semester-IV-Students of Second Year B.Pharm actively participated in Book review activity and presented the review on 17th Jan 2020 in the subject of Pharmaceutical Organic Chemistry. This activity was conducted by the subject teacher Mrs. K.D Asgaonkar. Students referred all the theory as well as practical books of Organic Chemistry available in the college library. More than 30 books were reviewed with respect to the syllabus. This activity encourages students in developing referencing habit, enriching their study material and also introduces them to topics beyond the scope of the syllabus. This in turn would help them in preparing for various competitive exams.




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AY-2018-2019

Students of Second Year B.Pharm- Sem IV proactively participated and enjoyed the book review activity conducted on 15th February 2019. The students studied and presented a review on different theory and practical Pharm. Organic Chemistry books under the guidance of Mrs. K.D Asgaonkar. This activity helped the students to not only enrich their study material but also got an insight to the topics that are beyond the scope of the syllabus. This in turn would help them to prepare for various competitive exams.




Mrs. K.D Asgaonkar



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Podcast

AY-2022-2023



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2F,12B recognition by UGC, Affiliated to Savitribai Phule Pune University
Accredited by NAAC with A Grade

REPORT ON ACTIVITY ORGANIZED

Activity/Event/Topic Name: - Podcasts by students in 2022-2023

Organized for (student class/staff): - AISSMS COP Students

No of Participants: 2

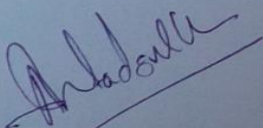
Coordinator Names: Dr. Tina Saldanha

Expenditure Details (if any): NA

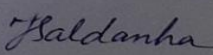
Description of Activity : The students are encouraged to create podcasts on techno-social topics that are of current interest/importance to the common man. The students submit a script of their proposed podcast which is reviewed for appropriateness and value after which it is recorded. This year we have broadcasted the podcasts created by our students on the AISSMS podcast channel.

S.No.	Student	Title of Podcast
1	Mr. Sushrut Oza (MPharm Sem III)	Generic vs Branded drugs: Making an informed choice
2	Ms. Purva Kalel (Final Year B.Pharm.)	Monoclonal antibodies in Oncology: a new dawn in Cancer therapy

Outcome/Usefulness: This activity encourages students to create scientific content and also to express themselves in creative ways.



(Dr. Ashwini R. Madgulkar)
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Dr. Tina Saldanha
(Co-ordinator(s) Name and sign)

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AY-2021-2022



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Participative Learning

Podcast

In order to inculcate in-depth knowledge and know how of usage of antibiotics and conveying the same to the masses a podcast was assigned as continuous assessment under the subject of Pharmaceutical Microbiology for the S.Y B. Pharmacy students in Sem III, 2021-22 academic year. This enabled to students to interact and communicate amongst each other and explore new concepts. The summary of the same has been enclosed for perusal.

Mrs. Shivani Rao

Principal
AISSMS College of Pharmacy
Pune-1.



Podcast

Pharmaceutical Microbiology

CA 1 (roll no 38,45,83-100)

2021-2022

ANTIBIOTICS USES / MISUSES

(HINDI LANGUAGE)

Episode 1

<https://drive.google.com/file/d/1UIZNb12amQEFEAeqWlZillu2xMRO-Btc/view?usp=drivesdk>

Students included: {Timelines}

00:09 - 00:36 Vaishnavi Sali (Host)
00:37 - 01:32 Rutuja Shirke
01:32 - 01:37 Vaishnavi Sali (Host)
01:38 - 02:51 Shruti Shinde
02:52 - 03:05 Vaishnavi Sali (Host)
03:06- 03:49 Vishakha Sonawane,
03:49- 04:57 Vaishnavi Shede
04:57 - 05:11 Vaishnavi Sali (Host)
05:11- 05:49 Prachi Thombare,
05:50- 06:33 Gauri Solwane
06:34- 06:43 Vaishnavi Sali (Host)
06: 45- 07:07 Yashashvi
07:09- 07:18 Vaishnavi Sali (Host)
07:20- 08:22 Bhavesh Shelar
08:24- 08:28 Vaishnavi Sali (Host)
08:29- 09:09 Omprakash Swami
09:10- 09:20 Vaishnavi Sali (Host)

Episode 2

https://drive.google.com/file/d/1XXIVM--buSR2CRYh_fN4o6j8EWDdwCRG/view?usp=drivesdk

Students included: {Timelines}

00:09- 00:45 Ishwari Sapkal (Host)
00:46- 01:21 Rajas Sheth
01:22- 02:10 Vaishnavi Shitole
02:11- 02:31 Ishwari Sapkal (Host)
02:32- 03:32 Sweta Singh
03:33- 04:20 Pooja Salgar
04:21- 04:52 Ishwari Sapkal (Host)



(Mrs. S.H. Rao)
[Signature]
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04:54- 06:16 Aditya Satbhai
06:17- 06:38 Ishwari Sapkal (Host)
06:39- 07:43 Soham Shinde
07:44- 08:45 Shrunalini Jadhav
08:46- 08:58 Ishwari Sapkal (Host)
08:59- 09:49 Jayashree Sahoo
09:50- 10:50 Tejas Gilda
10:51- 11:18 Ishwari Sapkal (Host)

Sri.
(Mrs. S.H.Rao)

[Signature]

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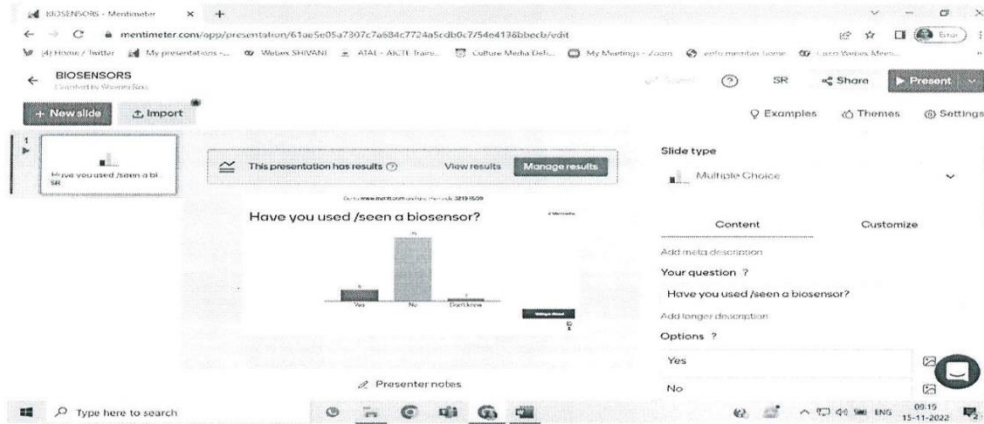
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Use of online Quiz tools

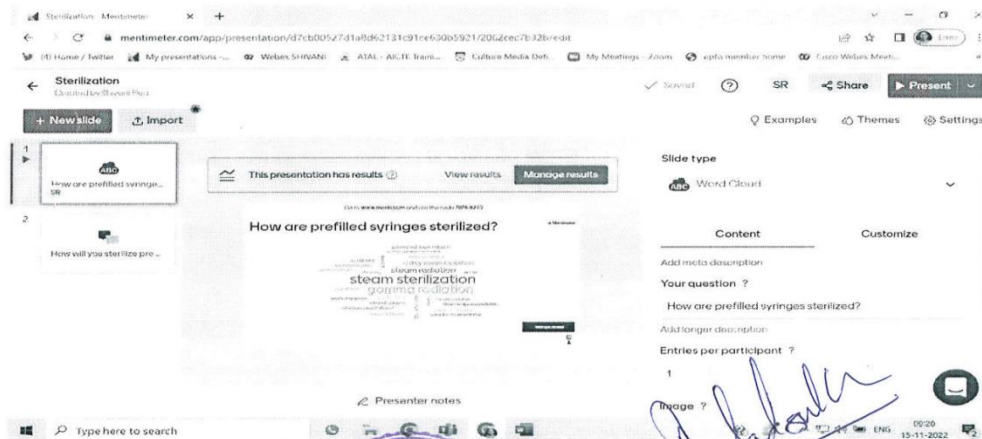


Participative Learning- Mentimeter

1) Mentimeter for T.Y. B. Pharmacy students in the subject Biotechnology Sem IV, 2021-22



2) Mentimeter for S.Y.B.Pharmacy students in the subject Microbiology Sem III, 2021-22



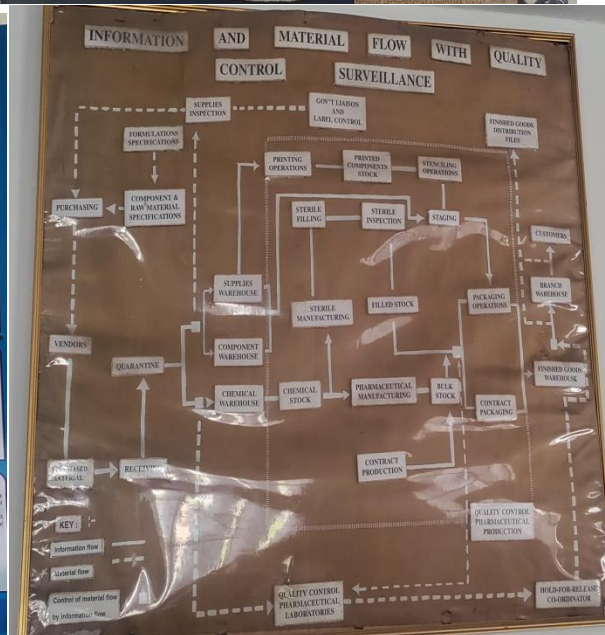
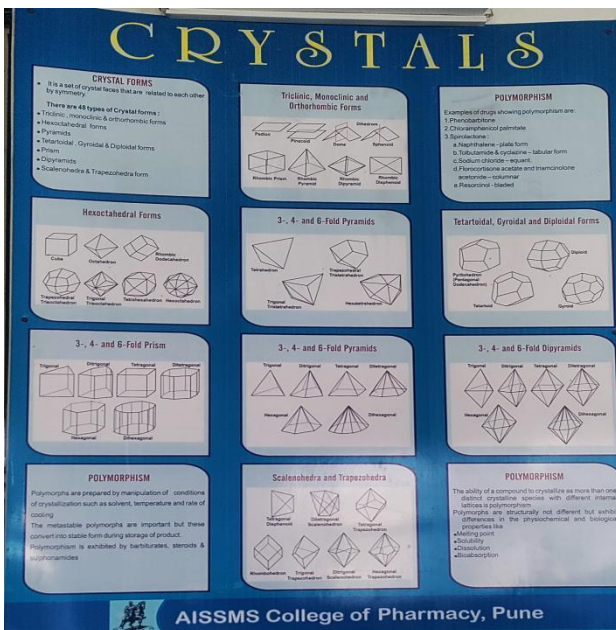
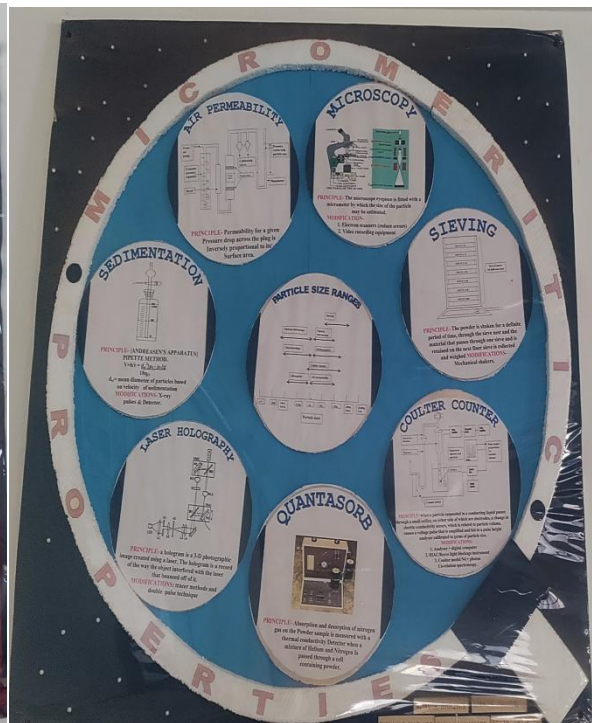
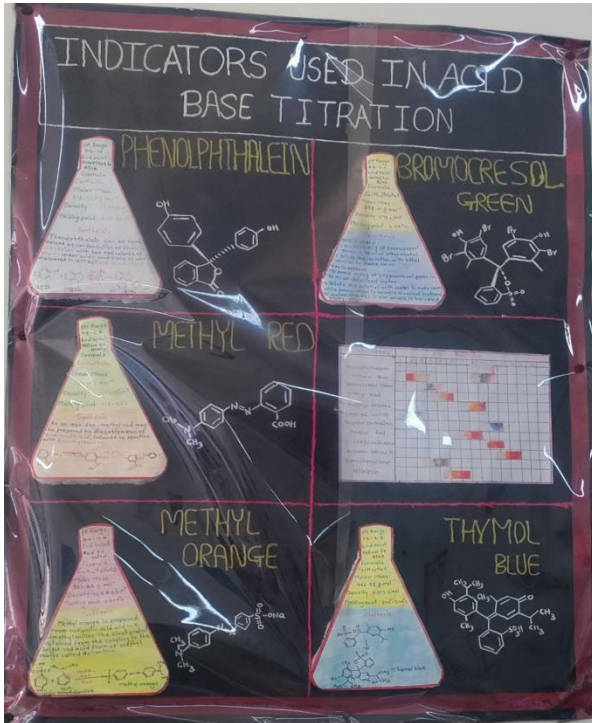
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Charts, Models or Posters Preparation



Dr. Ashwini R. Madgulkar

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TYPES OF ANIMAL IN LABORATORY

Rodent Animals

Rat (*Rattus norvegicus*)
Advantages:
 1. Greater sensitivity to most drugs.
 2. Withstand long period for experiment under anaesthesia.
Experimental uses: Study of analgesics and anticonvulsants. Bioassays of various hormones as insulin, oxytocin etc.

Hamster (*Mesocricetus auratus*)
Advantages:
 1. Develops atherosclerotic plaque on high fat diet.
 2. Metabolic profile resembles more with humans as compared to rat.
Experimental uses: Used in oncology, immunology, In-vitro fertilization research.

Guinea pig (*Cavia porcellus*)
Advantages:
 1. Highly susceptible to anaphylactic and TB etc.
Experimental uses: Its is used in evaluation of bronchodilators and anaesthetics.

Transgenic or Knockout mice

Advantages:
 1. Contains extra genetic material integrated into genome in every cell or knock out gene.
 2. Generated to carry cloned oncogenes provide good model for human cancer.
Experimental uses: Use for Alzheimer disease, Hypertension, Coronary disease etc

Non-Rodent Animals

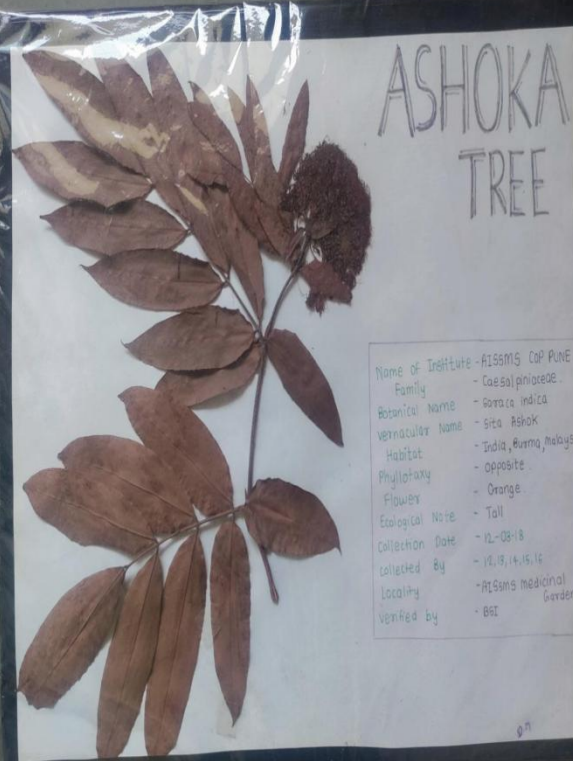
Rabbit (*Oryctolagus cuniculus*)
Advantages:
 1. Very docile animal.
 2. Used for testing of large volume parental and bioassays of insulin.
Experimental uses: Pyrogen testing and studies related to antifertility agents.

Monkey (*Cynomolgus/Macaca mulatta*)
Advantages:
 1. Structurally & functionally similar to man.
 2. Uterus resembles humans and exhibiting regular menstrual periods.
Experimental uses: It is an ideal model for pharmacokinetic studies.

Dog (*Canis familiaris*)
Advantages:
 1. Dog telemetry, regulatory non-rodent toxicity studies.
 2. Most advantage is small alimentary tract and easily get trained.
Experimental uses: Good model for heart surgery and organ transplantation.

Sakshi Singh, Pranshu Sood, Pratiksha Taware, Rajnandani Thorat, Vaishali Tupe, V. Madhavi (Practice School 2022)

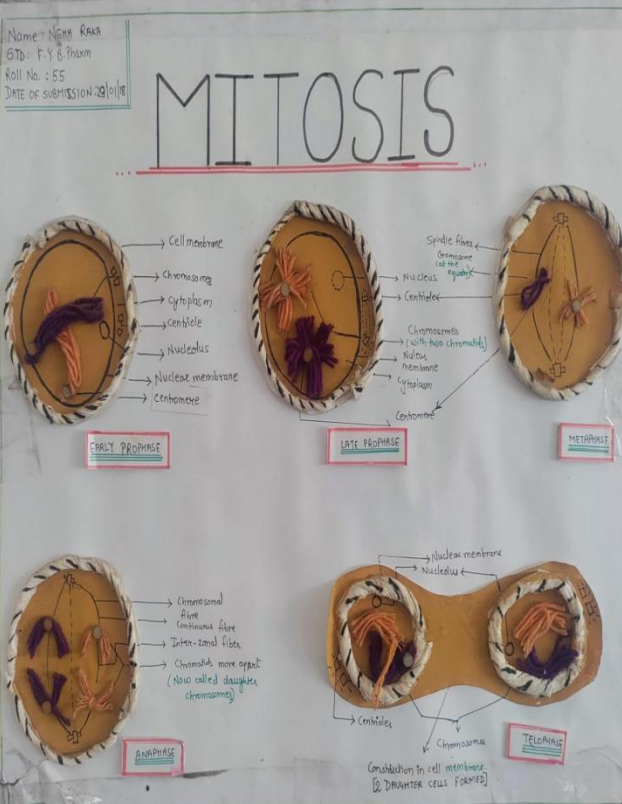
ASHOKA TREE



Name of Institute - AISSMS COP PUNE
 Family - Caesalpiniaceae
 Botanical name - Saraca indica
 Vernacular name - Sitra Ashok
 Habitat - India, Burma, Malaysia
 Phyllotaxy - Opposite
 Flowers - Orange
 Ecological Note - Tall
 Collection Date - 12-08-18
 Collected By - V.S, J.S, L.S
 Locality - AISSMS medicinal Garden
 Verified by - BSI

MITOSIS

Name: Nihar Raut
 STD: P.Y.B Pharm
 Roll No.: 55
 DATE OF SUBMISSION: 28/10/18



(Signature)
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Journal Club- AY 2020-2021



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Journal Club Activity - 2020-2021

Sr.no	DATE	TOPIC	PAPER REFERRED	JOURNAL NAME	PUBLISHED ON	PAGES	AUTHOR	PRESENTED BY (NAME OF STUDENT/S)	CLASS (FY/SY/TFn.Y)
1	08-08-2020	Artificial cell	https://drive.google.com/file/d/1ipk-3XVIT6WvGwyz9U2Jd-GvHoeFGoQJ/view?usp=drivesdk	Artificial Cells, Nanomedicine, and Biotechnology An International Journal	April 4, 2019	16	Thomas Ming Swi Chang	Darshani, Rutuja, Samruddhi, Ayushi, Ramali	S.Y
2	21/08/2020	"The Mediterranean Diet, its Components, and Cardiovascular Disease"	https://drive.google.com/file/d/1ebfNg8lUtSpta2bQqJGZqdV6BA1c9no/view?usp=drivesdk	The Mediterranean Diet, its Components, and Cardiovascular Disease	March, 2015	20	Am J Med	Namrata, Jyoti, Jidnyasa, Girija	S.Y
3	28-08-2020	Salt form of drug and its	https://drive.google.com/file/d/19aNaIFGDMi8aR6iXoHKU	UK Journal of Pharmaceutical and	3 August 2014	4 pages	Patrick Makary	Atharva Suryawanshi, Adnan Tamboli, Shaunak Paithankar, Shravan Mali	SY



		principles	KJ7qPGTZEZB/view?usp=drivesdk	Biosciences	Volume 2				
4	04-09-2020	3D drug printing	https://drive.google.com/file/d/154qciZMPoS-zYY9k0BoW8elc4uRu2da5/view?usp=sharing	MDPI	15 March 2020	9 pages	essyrose mathew Giulia Pitzanti	Vishwajit lad, Sarvesh chourange, Akshay dhawale, Luv kumar	SY
5	10-10-2020	CRISPR CAS9- Nobel Prize	https://www.nature.com/articles/s41580-020-00307-9#:~:text=That%20year%2C%20Emmanuel%20Charpentier%20and,Foundation%2C%207%20Oct%202020	Nature Reviews, Molecular Cell Biology	13 October 2020	1 page	Paulina Strzyz	Purva Kalel	S.Y
6	28/11/2020	Horror Movies and Pandemic	https://drive.google.com/file/d/1vz8j1Ll29e3lacQ8aWLA9pFVZJiN7w/view?usp=drivesdk	Personality and Individual Differences	15 September 2020	7	Coltan Scrivnera, John A. Johnsonc, Jens Kjeldgaard-Christiansend, Mathias Clasen	Vaishnavi Nikam, Nirmala Rajpurohit, Krishna Patel, Faizan Mujawar	S.Y
7	16-01-2021	Effect of compassion meditation on neural circuitry	https://drive.google.com/file/d/17rfxPW MQUG0hplE8Dlw5LRxMpw8c3aS/view?usp=sharing	PLOS ONE	March 2008, volume 3, issue 3	10 pages	Antoine Lutz, Julie Brefczynski-Lewis, Tom Johnstone, Richard Davidson	Maitreyee Upadhye, Shruti Vaidya, Siddhi Shefalika	SY, TY
8	23/01/2021	Smart Nanobots-Future in nanotechnology	https://drive.google.com/file/d/1aR4YP8n8XuXpqlxbQMzQcOyUs1GGm5i/view?usp=drivesdk	Journal of Nanomedicine & Biotherapeutic Discovery	January 14, 2016	2	Usama Ahmad and Md Faiyazuddin	Darshani Gholap, Samruddhi Shinde	S.Y



9	13/02/2021	Body shaming and Gender Roles	https://drive.google.com/folderview?id=1vzK4Y2-jHE2kytX8Ly4d1xTaBfT3eniE	Paper 1 - International Journal of Community Medicine and Public Health ; Paper 2 - Personality and Individual Differences	Paper 1 - 3 September 2020 Paper 2 - 24 September 2018	Paper 1 - 5 Paper 2 - 6	Paper 1 - Rahul Taya Gam, Shivendra Kumar Singh, Manish Manar, Sujita Kumar Kar, Abhishek Gupta ; Paper 2 - Rachel Grievea, Evita Marchb, George Van Doornb	Vaishnavi Nikam, Krishna Patel	S.Y
10	13/03/2021	Importance of pharmacogenomics for personalised medicines	https://drive.google.com/drive/folders/1BDH6BfkjTV7K6lMSdHaQ8jdrqYE?usp=sharing	paper 1- Lancet 2006 paper 2- MDPI, 2 PPTs- Slideshare	paper 1- 2006 paper 2- 26 March 2020	paper 1- 1 page paper 2- 15 pages	paper 1- Gideon Koren, James Cairns, David Chitayat, Andrea Gaedigk, Steven J Leeder paper 2- Sylvan M. Caspar 1,2, Timo Schneider 1 Janine Meienberg 1 and Gabor Matyas	Vishwajit Lad	SY



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Game based learning- Word search puzzle competition AY-2019-20

Word search puzzle competition was organized by Mrs K.D Asgaonkar for Second Year B. Pharm students on 15th Jan 2020 in the subject of Pharm. Organic Chemistry-III. Students were required to locate hidden words in the puzzle related to Molecular rearrangement reactions. Students whole heartedly participated and enjoyed the competition. This innovative teaching method resulted in the students meticulously reading the topic and enjoying the teaching learning process. Prizes were given for different levels of completion of the puzzle. Winners of the game were Ms Deepti Shinde, Ms Aditi Vaidya, Ms Nisarga Sokate, Ms Soha Baldota, Mr Ishan Dixit and Mr Ayush Khater.



Winners of the Word Search Puzzle game


Mrs. K.D Asgaonkar


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