



Hon. Mr. R. V. Pharate
Founder President

Shri Wagheshwar Gramvikas Pratishthan's
LOKNETE SHRI DADAPATIL PHARATE COLLEGE OF
PHARMACY

A/p-Mandavgan Pharata, Tal-Shirur, Dist-Pune, 412211.

Hon. Mrs. M. R. Pharate
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Dr. H. V. Kamble
Principal

2.3.1

Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences using ICT tools



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2.3.1 Student-centric methods are used for enhancing learning experiences

- Experiential learning
- Integrated/interdisciplinary learning
- Participatory learning
- Patient-centric and Evidence-Based Learning
- Learning in the Humanities
- ICT enables Tool



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EXPERIENTIAL LEARNING



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INDUSTRIAL VISIT

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INDUSTRIAL VISIT REPORT

Name of the Company: JP Laboratories private limited , Unit (I)A-76, (II)A-82/83,MIDC, Chemical zone , Kurkumbh ,MIDC , Pune , Maharashtra .

Date of Visit: 04/04/2023

Name & Designation of Person conducting visit: Mr. Kiran Kale,

Director Name of year: First Year B Pharmacy

Number of students participated: 112

BRIEF REPORT OF THE ACTIVITY

Industrial visit was carried out at JP Laboratories private limited , Unit (I)A-76, (II)A-82/83,MIDC, Chemical zone , Kurkumbh ,MIDC , Pune , Maharashtra . 4th April 2023 especially for first year students. The main objective behind the visit was to make student aware about how various activities related to Production, Quality control, Quality Assurance and Regulatory Affairs carried out in company and give them feel of Officer as soon as they finish there course. I along with **112** students left for visit at 9.30 a.m. and took about four hour to cover the distance. The company is located in Kurkumbh MIDC. As soon as we reached company we were guided by Mr. Kiran Kale to canteen for breakfast where an orientation of company was given by heads of production department about history and how company was established. It was great to know that company follows Japanese principal of equality among all the level of employees in company because of which they have same dress code and same canteen right from higher level managerial team to lower



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level workers. We found even canteen employees in same dress. Company follows principle of “People before Product” which was clearly visible from safety measures taken by company and other policies. The conception of this philosophy is derived from the core objective of the company – „To Contribute to the Society“.

After introduction all students were divided in four groups of 15 students and were headed by one manager of company who helped them to understand how production is carried out in company. Maximum production in company is carried out by means of machinery subdivide in various activities like inception of raw material, mixing process, making jackets, tablet compression machine , covering the product and then converting it into finished goods.





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Finally Finished Products are packed and are sealed where production batch no is embossed for its future verification required. Company defective ratio is less than 1 percent which shows the how effective company works. We took almost two hour to see complete set of production which was followed by questions of students. I appreciate staff member who guided students with each and every question with detailed answers. It is rightly said that "See & know" is better than „read & learn“. Students have got real feel of company's working after this visit. They got a chance to transfer their theoretical knowledge to practical implication. This will even help students to understand subject matter clearly in future also Me along with student would like to extend our gratitude to company for permission and support. They gave to make our visit a success with accomplishment of objective and our principal for arranging this visit for our student.



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Hospital Visit Report



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Out word no. SWGPP / LSDP / 2022-23 / 157

Date: 15/03/2023

To,
The Varadvinayak Multispecialty Hospital,
Mandavgan Pharata, Tal. Shirur,
Dist. Pune-412211.

Subject: Regarding permission to visit Hospital and clinical pathology laboratory.

Applicant: Faculty, L.S.D.P. College of pharmacy, Mandavgan Pharata.

Respected sir,

With reference to above cited subject, Lokneteshri. Dada patil Pharate College of pharmacy (Degree Second year) students waiting to visit your Multispecialist Hospital. Our second year degree students have a subject in academics Pathophysiology and clinical biochemistry, we have 4 practical regarding hospital visit among which three are demonstration as, Electrolyte estimation, Creatine protein test (CPR), Erythrocyte sedimentation rate (ESR) and last is visit and report Hospital and clinical pathology laboratory.

Please grant us permission, to coming Monday and Tuesday (i.e. on 18/03/2023 and 19/03/2023)

Thanking you.




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HOSPITAL VISIT ACTIVITY REPORT

1.	Name of activity	Hospital Visit
2	Date of activity	19.03.2023
3	Time	10AM-1 PM
4	Total no students participate	50
7	Place of activity	Varadvinayak Hospital AP Mandavgan Phatata Tal-Shirur Dist Pune
8	Objectives of activity	Students were instructed to note the following curricular elements that they saw: Healthcare infrastructure: The purpose of healthcare services is to use the resources at hand to meet the population's and communities health-related requirements. These are provided by the healthcare system, which also consists of the sector's organizational structure and management. It was mentioned to the students that the private sector in India provides the majority of healthcare services. Access to healthcare is being made possible in all regions of India, including rural and urban areas, with the assistance of the public and commercial sectors.
9	Outcome of activity	Students could gain knowledge about how private hospitals are set up. Several health-related procedures were described, and an example of how the CT scan and X-ray machines operate was displayed. It was observed how the wards were set up for patients, and it was also known how the nurses were gathering patient information. Pupils could comprehend the many types of workers needed in hospitals as well as their varying levels of duties and responsibilities.
10	Activity co- coordinator	Mr.V.L.Gadadhe Ms.A.S.Bhandari



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Activity Photo



Varadvinayak Hospital AP Mandavgan Phatata Tal-Shirur Dist Pune



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DATA OF HANDS ON TRAINING OF STUDENTS



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INSTRUMENTS TRIANING AT ALL THE UG & PG DEPARTMENT

**NAME OF DEPARTMENT: PHARMACUTICS LAB UNDER TRAINING INCHARGE BY
DR.V.M.SATPUTE**

Sr. No.	Name of Equipment	Company Name & Equipment Model No.	Purchase Date
1	Basic safety equipment's (Safety Goggles, aprons, gloves, footwears)		23/08/2021
2	BOD incubator	Model No.: EIE-202DGT175, Eie Instruments Pvt. Ltd, A-1301, Bvr Ek, Ellis Bridge Ahmedabad - 380006, Gujarat, India	03/09/2021
3	Brookfield viscometer	Model: ViscoQC 100 L, ANTON PAAR INDIA PVT. LTD. 582, Phase V Udyog Vihar Industrial Area, Gurugram, Haryana, 122016 INDIA	22/09/2021
4	Bulk density apparatus	Model No.: VTAP/MATIC-II No. 202/201, Unique Industrial Estate, Chakala Road, Andheri East Mumbai - 400099, Maharashtra, India	23/08/2021
5	Deep freezer (-200C)	Model No.: DHEP525E2HCNRW, Godrej & Boyce Mfg. Co. Ltd Pirojshanagar, Vikhroli (W), Mumbai - 400 079, Maharashtra	03/09/2021
6	Digital pH meter	Model No.: pHTestr 20, 7th, 702, Akik, S G Highway, Bodakdev, Bodakdev Ahmedabad - 380015, Gujarat, India	23/08/2021
7	Disintegration apparatus	Model No.: Double, 1/6 HP Motor, No-2580/29, Subhash Park Road, Ambala Cantt- 133001, Haryana	23/08/2021



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8	Disintegration test apparatus	Model No.: Single, 1/8 HP Motor, No-2580/29, Subhash Park Road, Ambala Cantt-133001, Haryana	03/09/2021
9	Dissolution apparatus (at least I.P standard type I & type II)	Model No. : DT1901, A-1313, 13th Floor, New Mahakali Nagar Chs, Marve Road, Malad West, Malad East, Mumbai - 400095, Maharashtra, India	03/09/2021
10	Dissolution apparatus (at least I.P standard type I & type II)	Model No. : DT1901, A-1313, 13th Floor, New Mahakali Nagar Chs, Marve Road, Malad West, Malad East, Mumbai - 400095, Maharashtra, India	03/09/2021
13	Fluidized Bed Dryer and Coater	Model No.: SS 304, ACMEFIL Engineering Pvt,Ltd, Plot No. 535, Phase Ii, Vatva Ahmedabad - 382445, Gujarat, India	22/09/2021
16	Heating mantle different capacity	Model No.: S.S.104, Labline Stock Centre, S. No. 1, Ground Floor, 116, Earth Baug, Kalbadevi Mumbai - 400002, Maharashtra, India	23/08/2021
17	Magnetic stirrer with thermostat	Model No.: A10, Sirohi Enterprises, Shop No-2, 3, Gowshala Committee, Ram Bagh Road, Cantt Ambala - 133001, Haryana, India	23/08/2021
21	Mechanical stirrer (with glass shaft and teflon blades)	Model No.: TGPE2200, The Global Pharma Equipment, Star Industrial Estate, D-32, Naik Pada, Near Hanuman Mandir, Vasai East Vasai - 401208, Thane, Maharashtra, India	23/08/2021
22	Mixer grinder	Model No.: WVM-20, The Western Electric and Scientific Work, Near B. D. Higher Secondary School, Ambala	03/09/2021



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		Cantt, Sadar Bazar Ambala - 133001, Haryana, India	
24	Brightfield microscope with image analyser	Model No.: B-1000MET, Voxx Lab, 28b, Krishna Enclave, Pocket A, Phase 3, Shastri Nagar Delhi - 110052, India	22/09/2021
25	Rotary microtome	Model No.: RMT-30U, Radical Scientific Equipment Pvt,Ltd, 9th Milestone, Jagadhari Road, Ambala Cantt Ambala - 133104, Haryana, India	03/09/2021
26	Rotary tablet punching Machine (minimum 16 stations)	Model No.: LI-ST 16, Lodha International LLP, Gajanan Industrial Hub -2, Shed 98, Opp Ramvadi Bridge, B/h Metrix Plaza Vatva, Vinzol, Vatva GIDC Ahmedabad - 382445, Gujarat, India	30/09/2021
28	Spray dryer	Model No.: LSD 01, Advanced Drying System, 125, Vora Industrial Estate 4, Navghar, Vasai East Mumbai - 401210, Maharashtra, India	12/10/2021
30	Vacuum Tray dryer	Model No.: Kerone, Kerone, B - 47, Additional Anand Nagar Midc, Midc Mumbai - 421506, Maharashtra, India	22/09/2021
32	High precision water bath	Model No.: SM WB 5 LITER, Samarth Electronics, Thane, 3 A & B, Ganesh Compound, Pawar Section, Chikhholi East, MIDC East Ambarnath - 421506, Thane, Maharashtra, India	03/09/2021
33	High shear homogenizer	Remi Elektrotechnik limited, Building B, Survey No. 65/1, Village-valiv, Andheri East Vasai Virar - 401208, Palghar, Maharashtra, India	30/09/2021
34	High speed Centrifuge	Model No.: Sorvall ST 16, Thermo Fisher India Pvt, ltd, Scienitific No. 403-404, Delphi, B Wing,	03/09/2021

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		Hiranandani Business Park, Powai Mumbai - 400076, Maharashtra, India	
35	Hot air oven (minimum 18"x18"x18" internal dimensions)	Model No. FHAO, Omkar Enterprises, Office No 106, Harshwardhan Plaza, Hadapsar Pune - 411028, Maharashtra, India	03/09/2021



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**NAME OF DEPARTMENT: PHARMACOLOGY LAB UNDER TRAINING INCHARGE BY
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Sr. No.	Name of Equipment	Company Name & Equipment Model No.	Purchase Date
1	ICH Stability chamber with temperature & humidity features	Model No.: EIE-106, EIE Instruments Pvt Ltd., A-1301, Bvr Ek, Ellis Bridge Ahmedabad - 380006, Gujarat, India	03/09/2021
2	Computer systems installed with Drug design software (Licensed/ free)		
3	ELISA reader	Model No.: ARX-CLOT SC, Micro Lab Instruments, No. 3, Akshay Apartment, Near Sanskrut, B/h, Popular House Ashram, Navrangpura Ahmedabad - 380009, Gujarat, India	22/09/2021
4	Elevated plus maze (Mice & Rat)	Orchid Scientific & Innovative India Private Limited, B-59, 60, M. I. D. C., Ambad, MIDC Ambad Nashik - 422010, Maharashtra, India	23/08/2021
5	Actophotometer	Model No.: EM-27, Mocro Teknik, 2759 Timber Market, Sadar Bazar Ambala - 133001, Haryana, India	23/08/2021
7	Cold storage cabinet (minimum 300 ltr)	Model No.: WBR-100, Diligent Trading Corporation, 527/56, Jagdamba Colony, Jabalpur - 482001, Madhya Pradesh, India	30/09/2021
8	Compound microscope	Model No.: DPI 189, Dolphin Pharmacy Instruments Private Limited, 13, Old Post Office Lane, J. B. F. House, Ground	23/08/2021

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		Floor, Kalbadevi Mumbai - 400002, Maharashtra, India	
10	Eye piece micrometer	H. L. Scientific, No. 175/10, Bank Road, Opposite Power House, Football Chowk Ambala - 133001, Haryana, India	23/08/2021
11	Inoculation chamber	Model No.: AOS-20, Bluefic Industrial Scientific Technologies, Jasmeet Nagar, Behind Lml Showroom, Inder Nagar Ambala - 134003, Haryana, India	03/09/2021
12	Non-invasive BP measurement apparatus	Model No.: TS, Deep Marketing, 304, Mahaveer Nagar II, Dalda Factory Road, Durgapura Jaipur - 302018, Rajasthan, India	03/09/2021
13	Organ bath assembly with aerator/kymograph	Model No.: 321, M. M. Scientific & Surgical Co., 2554, Bengali Mohalla, Ambala Cantt, Sadar Bazar Ambala - 133001, Haryana, India	23/08/2021
14	Passive avoidance apparatus / Morris water maze	Model No.: MWM, Passive avoidance apparatus / Morris water maze	03/09/2021
15	Plethysmometer	Model No.: CS354, Classic Scientific, J-117, Midc Tarapur, Boisar, Mahim Mumbai - 400016, Maharashtra, India	22/09/2021
16	Sahlis haemoglobinometers	Surgens Home(India), 5438, Opposite Nigar Cinema, Road No. 4, Ambala Cantt, Cross Road Ambala - 133001, Haryana, India	22/09/2021
17	Rotarod (Rat and mice)	Model No.: 321, Scientif Instrument Traders, 20, Pooja Vihar, Near D. A. V Public School Ambala - 133001, Haryana, india	30/09/2021
18	Refrigerated centrifuge	Model No.: BBRC-70, The Western Electric & Scientific Works, Near B. D. Higher Secondary School, Ambala Cantt, Sadar Bazar Ambala - 133001, Haryana, India	
19	Parallel synthesizer / Multiple synthesizer	Amar Equipment Private Limited, Valiram Sons Lbs Marg, Near Tank	30/09/2021



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		Road Junction, Opp Icici Bank, Kurla Mumbai - 400078, Maharashtra, India	
20	Stereotaxic rodent surgery apparatus	Model No.: HLSI-STA-99, H. L. Scientific, No. 175/10, Bank Road, Opposite Power House, Football Chowk Ambala - 133001, Haryana, India	03/09/2021
21	Clevenger apparatus	Model No. : EOE20, Mayalab Instrument, Plot No. 108, Milap Nagar, Kuldeep Nagar Ambala - 133001, Haryana, India	03/09/2021
22	Franz diffusion cell apparatus (6 cell set)	Model No.: EMFDC06 - 030, Orchid Scientific Innovative India Private Limited, B-59, 60, M. I. D. C., Ambad, MIDC Ambad Nashik - 422010, Maharashtra, India	22/09/2021
23	Cryostat	Model No.: SEMI-AUTOMATIC CRYOSTAT, Micron Instrument Industries, Plot No 293, hsiidc Industrial Growth Center, Saha, Bihta Ambala - 133104, Haryana, India	28/10/2021
24	Gel-Doc apparatus	The Western Electric & Scientific, Near B.D High School, Ambala Cantt, Ambala Cantt, Haryana, 133001, India	30/09/2021
25	Laser doppler flowmeter (LDF)	Model No.: 1708270, ATCG India, A-206, Spectrum Tower, Bhiwadi, Harchandpur Alwar - 301019, Rajasthan, India	03/09/2021
26	Narrow Beam Walk	Mayalab Instrument, Plot No. 108, Milap Nagar, Kuldeep Nagar Ambala - 133001, Haryana, India	23/08/2021
27	Open Field Apparatus	Model No. PAS- Open Field, Orchid Scientific & Innovative Private Limited, B-59, 60, M. I. D. C., Ambad, MIDC Ambad Nashik - 422010, Maharashtra, India	12/10/2021



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A/p-Mandavgan Pharata, Tal-Shirur, Dist-Pune, 412211.

Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal

28	Tonometer	Optics India Equipments pvt ltd, Hari Krupa, Adj. - Pnb, Naya Padkar Lane, M.g. Road, Anand - 388001, Gujarat, India	22/09/2021
29	Stage micrometer	Model No.: SM 001, Dolphin Pharmacy Instruments Private Limited, 13, Old Post Office Lane, J. B. F. House, Ground Floor, Kalbadevi Mumbai - 400002, Maharashtra, India	23/08/2021
30	Kymograph Recording Drum	Mayalab Instrument, Plot No. 108, Milap Nagar, Kuldeep Nagar Ambala - 133001, Haryana, India	23/08/2021



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NAME OF DEPARTMENT: PHARMACUETICAL CHEMISTRY LAB UNDER TRAINING
INCHARGE BY PROF.M.R.BHALERAO

Sr. No.	Name of Equipment	Company Name & Equipment Model No.	Purchase Date
1	Basic safety equipment's (Safety Goggles, aprons, gloves, footwear's)		23/08/2021
2	Binary High-performance liquid chromatography (HPLC) with UV detect	Model No.: GSI-7108, Dolphin Pharmacy Instruments Private Limited, 13, Old Post Office Lane, J. B. F. House, Ground Floor, Kalbadevi Mumbai - 400002, Maharashtra, India	12/10/2021
3	Computer systems installed with Drug design software (Licensed/freew		
4	Digital Melting point apparatus	Model No.: DMP 21, Labline Stock Centre, S. No. 1, Ground Floor, 116, Earth Baug, Kalbadevi Mumbai - 400002, Maharashtra, India	23/08/2021
5	Electric melting point apparatus (Manual, 0-300°C)	Mayalab Instrument, Plot No. 108, Milap Nagar, Kuldeep Nagar Ambala - 133001, Haryana, India	23/08/2021
6	Bioanalyser (semiautomatic)	ARX - 199/199i, Micro Lab Instruments, No. 3, Akshay Apartment, Near Sanskrut, B/h, Popular House Ashram, Navrangpura Ahmedabad - 380009, Gujarat, India	28/10/2021
7	Digital pH meter	Model No.: S.S.319, Labline Stock Centre, S. No. 1, Ground Floor, 116,	23/08/2021



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		Earth Baug, Kalbadevi Mumbai - 400002, Maharashtra, India	
8	Digital balance (0.1mg)	Model No.: BL-P1D/20001, Navghar Vasai East, Samarth Krupa Nagar, Vasai East, Vasai-Virar, Navghar-Manikpur, Maharashtra 401208	23/08/2021
9	Digital Balance (1 mg)	Model No.: BL2204 EXT, Navghar Vasai East, Samarth Krupa Nagar, Vasai East, Vasai-Virar, Navghar-Manikpur, Maharashtra 401208	23/08/2021
10	Digital Hot air oven (minimum 18"x18"x18" internal dimensions)	Model No. FHAO, Omkar Enterprises, Office No 106, Harshwardhan Plaza, Hadapsar Pune - 411028, Maharashtra, India	03/09/2021
11	Flash chromatography	Model No.: FC 01, Dolphin Pharmacy Instruments Private Limited, 13, Old Post Office Lane, J. B. F. House, Ground Floor, Kalbadevi Mumbai - 400002, Maharashtra, India	28/10/2021
12	Fourier-Transform infrared Spectroscopy (FTIR)	Model No.3116465, Dolphin Pharmacy Instruments Private Limited, 13, Old Post Office Lane, J. B. F. House, Ground Floor, Kalbadevi Mumbai - 400002, Maharashtra, India	12/10/2021
13	Hot plate with thermostat	Model No: EIE-211CPE25X30, Eie Instruments Pvt. Ltd, A-1301, Bvr Ek, Ellis Bridge Ahmedabad - 380006, Gujarat, India	23/08/2021
14	HPTLC	Model No.: DPI 179, Dolphin Pharmacy Instruments Private Limited, 13, Old Post Office Lane, J. B. F. House, Ground Floor, Kalbadevi Mumbai - 400002, Maharashtra, India	17/11/2021
15	Magnetic stirrer with thermostat	Model No.: 1-ML, Remi Elektrotechnik limited, Building B, Survey No. 65/1, Village-	23/08/2021

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		valiv, Andheri East Vasai Virar - 401208, Palghar, Maharashtra, India	
16	Mechanical stirrer	Model No.: S.S.300, Labline Stock Centre, S. No. 1, Ground Floor, 116, Earth Baug, Kalbadevi Mumbai - 400002, Maharashtra, India	23/08/2021
17	Mechanical stirrer (with glass shaft and Teflon blades)	Model No.: TGPE1100, The Global Pharma Equipment, Star Industrial Estate, D-32, Naik Pada, Near Hanuman Mandir, Vasai East Vasai - 401208, Thane, Maharashtra, India	23/08/2021
18	Micropipette (one set of 5 pipette)	Model No.: Finn timer F1, Thermo Fisher India Pvt, Ltd, Scientific No. 403-404, Delphi, B Wing, Hiranandani Business Park, Powai Mumbai - 400076, Maharashtra, India	23/08/2021
19	Microwave oven	Model No.: MiMW20S7H100, Mitashi Edutainment Private Limited, 414 - 424, Lbs Marg, Ghatkopar, Mumbai - 400086, Maharashtra, India	23/08/2021
20	Microwave Synthesizer	Model No.: TOP-300MS, Kapasi Trading Corporation, 902, 9th Floor, Levata Tower, 64 Nagdevi Street, Masjid Bunder, Mumbai - 400003, Maharashtra, India	22/09/2021
21	QbD Software (Latest version)		
22	Refrigerator	Model No.: DB-480F, Biolinx Labsystems Pvt, Ltd, No. 203, Techno City, Plot No. X5/3, Mahape Navi Mumbai - 400710, Thane, Maharashtra, India	23/08/2021
23	TLC development chamber	D & A Collection, 1222, Bengali Mohalla, Ambala Cantt, Ambala - 133001, Haryana, India	23/08/2021



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24	TLC development chamber (different sizes)	D & A Collection, 1222, Bengali Mohalla, Ambala Cantt, Ambala - 133001, Haryana, India	23/08/2021
25	TLC spreader	Lab Tree (India) , 3696/12-13, Near Kali Bari Temple, Sadar Bazar Ambala - 133001, Haryana, India	23/08/2021
26	UV spectrophotometer (double beam)	Model No.: BioMate 160, Thermo Fisher India Pvt, Ltd, Scientific No. 403-404, Delphi, B Wing, Hiranandani Business Park, Powai Mumbai - 400076, Maharashtra, India	22/09/2021
27	UV-Vis Cabinet	Model No. MS 324, Deepak Industry, 303 Punjabi Bagh, AMBALA CANTT Ambala - 133001, Haryana, India	03/09/2021
28	Vacuum Filtration assembly	Refinement Sciential Co., CoA- 102 Plot No.87, Sector 16 Aryan Paradise, Taloja MIDC, Navi Mumbai Raigad - 410218, Maharashtra, India	23/08/2021
29	Vacuum pump	Model No.: GC-305V/VT, Gajjar Compressors Private Limited, Plot No. 5319, Phase 4, Behind Windsor Limited, GIDC Vatva Ahmedabad - 382445, Gujarat, India	23/08/2021
30	Water distillation unit	Biotechniques India, 3, Vaishali Mansion Building, No. 9, Sorabji Santuk Lane, Dhobi Talao Ground Floor Marine Line, Marine Lines Mumbai - 400002, Maharashtra, India	23/08/2021
31	Water purification system for HPLC grade water	Varrion scientifix, 3rd Floor Block No.24, Bldg No.4 Old Mumbai Pune Road Jivangram Co Op Hsg Soc Kalwa West, Thane - 400605, Maharashtra, India	03/09/2021
32	Water bath (Single hole and six hole)	Eletech Lab Instruments, 16c, Shalimar Bagh, Near Shiv	03/09/2021



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		Mandir, Sadar Bazar Ambala - 133001, Haryana, India	
33	Vacuum Desiccators different sizes	Saraan Scientific Industries, Prabhu Prem Puram, 1, Opposite Dav Public School River Side, Nirmal Vihar Ambala - 133001, Haryana, India	23/08/2021
34	Ultrasonic bath sonicator	Samarth Electronics, 3 A & B, Ganesh Compound, Pawar Section, Chikhloli East, MIDC East Ambarnath - 421506, Thane, Maharashtra, India	03/09/2021
35	Ultrasonic Probe sonicator	-100 Bar Laboratory Probe Sonicator, For Pharmaceuticals Model Name/Number-Probe Sonicator Victory lab technologies Mundka, New Delhi	22/09/2021
36	Syringe	PVC Dispovan Syringe, Brand-Dispo Van Shree Hari Healthcare Ahmedabad, Gujarat	23/08/2021
37	Spectrofluorimeter	ouble Beam Digital Spectrophotometer, 185-900 nm Brand-Shimadzu Model No / Item Code-UV-2700 Dolphin Pharmacy Instruments Private Limited Kalbadevi, Mumbai, Maharashtra	12/10/2021
38	High precision water bath	Samarth Electronics, 3 A & B, Ganesh Compound, Pawar Section, Chikhloli East, MIDC East Ambarnath - 421506, Thane, Maharashtra, India	03/09/2021
39	Rotary vacuum Evaporator	Rotary Vacuum Evaporator Automatic Grade-Semi- Automaticax Brand-Labpro Labpro international Nishat Bagh, Ambala, Haryana	30/09/2021

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40	Silica crucible	A-ONE Silica Crucible With Lid 25 Ml Brand-A-One Science A one science Kakar Majra, Haryana	03/09/2021
41	Glass column (different sizes)	Model No. : EOE20, Mayalab Instrument, Plot No. 108, Milap Nagar, Kuldeep Nagar Ambala - 133001, Haryana, India	30/09/2021
42	Soxhlet apparatus (different capacity)	Soxhlet Extraction Unit Model-SSEU S Brand-Solitaire Scientific Solitaire scientific manufacture and suppliers Vikas Puri, Ambala, Haryana	30/09/2021
43	Photomicrographic apparatus	BTC Boltzman Constant Kit, For Physics Lab, Model Number/Name: BTC-BE-54 Brand: BTC INSTRUMENTS Batra trading company 2759/20, Timber Market, Ambala Cantt, Sadar Bazar, Ambala - 133001, Dist. Ambala, Haryana	03/09/2021



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Report Activity

Name of Activity	Certificate course on "Hands on Training of Instruments
Topic of Training	Hands on Training of Photomicrographic apparatus
Date of Activity	13/02/2023
Place of Training	Instrumental Lab, LSDP, Mandavgaon Pharata, Pune.
Training Given By	Dr.M.R.Bhalerao
Activity Co-ordinator	Prof.Punit Jain

Academic Co-ordinator



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NSS CAMP ACTIVITY



Hon. Mr. R. V. Pharate
Founder President

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Principal

NSS CAMP ACTIVITY

Venue: At post Pimpalsuti , Taluka Shirur, Dist. Pune. Date: 28/12/2022 to 03/01/ 2023

❖ The activities carried during this camp are as follows:

- Health Check-up camp- All the villagers were counseled with regard to keeping the blood sugar levels in control and effective and safe used of medicines. All the patients suffering from blood pressure/diabetes were counseled to continue taking medicines on regular basis and not to stop medication on their own. Blood sugar levels and Blood Pressure of the villagers was checked and informed to them. The patients were advised to consult pharmacist/doctor for counseling as and when required. Total 180 villagers participated in the camp.
- Election Awareness -Election awareness along with green nest a election awareness campaign is organized at Inamgaon on 29 Dec. 2023. This event consists dance, drama and a human rally promoting the importance of voting.
- Helmet awareness - Helmet awareness by NSS Valunteers explains about "Head injury management and prevention-Importance of helmet" on 30 Dec.2023.
- Free medicines were distributed to villagers in presence of doctors.
- Swatch Bharat Abhiyan: Swachchh Bharat Abhiyan was carried out every day soon after the Prabhat-Pheri. Different areas of the village were taken day by day and were cleaned by the volunteers. This created a buzz in the village and suddenly NSS Team started getting more attention than ever before from people across the village.
- Digital India Campaign was carried out throughout the village. The importance of digital transactions and its role in curbing corruption was conveyed to the villagers.



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- Socio-economic survey socio-economic survey was carried out by the volunteers throughout the village. Google forms were used to facilitate the activity.
- Street play on importance of education & women empowerment A Street play was practiced and performed by the student volunteers of the NSS Team on the third day of the camp. The theme of the play was: "Importance of Education" and "Women Empowerment". The volunteers were enthusiastic to perform in the play. It was a life cherishing moment for all of them. Girl volunteers also helped the boys volunteers prepare the skit as well as in their dress up and make up.
- Awareness Programme on Life Insurance, Government Schemes, Scholarships for girls, banking and visuals on Water Conservation Tree Plantation an awareness programmes had been conducted on the govt schemes specially for women, govt scholarships and exams All the villagers were made aware about these activities through the videos on laptop and speaker. Apart from that, Models to explain banking were made by the volunteers to explain them each and every facility of the banks.
- The NSS Camp concluded in presence of Village Gram Panchayat functionaries, Principal & faculty of college, Principal, Non-teaching staff and students of the school, and NSS student volunteers of college on 31st January 2023.
- The gram panchayat members appreciated the activities conducted during NSS Camp and issued Appreciation Letter to the college for the efforts taken by students.





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NSS Camp Activity



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Seminars/conferences/workshops conducted by the
Institution

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List of workshops/ seminars/ conferences
Conducted by institute during
2022-2023

Academic Year 2022-2023



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Academic Year: 2022-2023

Name of Seminar: Good Laboratory Practices

Date: 25/02/2023

Sr. No	Name of the workshop/ seminar	Number of Participants	Date	Link to the Activity report on the website
1	Good Laboratory Practices	68	25/02/2023	View Document
2	Research Methodology: Approaches & Techniques	87	27/06/2023	View Document

Number of participants: 68



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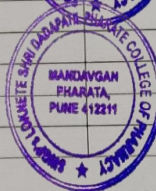
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79	Sangale Akshay Navnath	Final year	A. Sangale
80	Sayyad Altaf Rajjak	Final year	A. Sayyad
81	Shelar Aishwarya Prakash	Final year	A. S.
82	Shelar Anisha Vilas	Final year	A. S.
83	Shelar Pragati Prakash	Final year	A. S.
84	Shelar Yogita Suresh	Final year	A. S.
85	Shelke Tanuja Vijay	Final year	A. S.
86	Shirai Ritesh Dilip	Final year	A. S.
87	Somase Sakshi Mohadev	Final year	A. S.
88	Supekar Ajitsingh Vilas	Final year	A. S.
89	Supekar Vishal Vasant	Final year	A. S.
90	Takawane Swamini Dadasa	Final year	A. S.
1	Adagale Sandhya Ramchandra	Final year	A. S.
2	Arole Harshikesh Dattatraya	Final year	A. S.
3	Atkar Shahid Shakil	Final year	A. S.
4	Bandal Akanksha Vijay	Final year	A. S.
5	Bandal Jagshree Satyawon	Final year	A. S.
6	Bansude Abhishek Vasant	Final year	A. S.
7	Barkade Komal Jaysing	Final year	A. S.
8	Bhalekar Rutuja Chandrakant	Final year	A. S.
9	Bhopkar Jaydip Rajendra	Final year	A. S.
10	Bhos Abhishek Bharat	Final year	A. S.
21	Gradhave Sakshi Dattatraya	Final year	A. S.
22	Gajare Maithili Mohan	Final year	A. S.
23	Garud Sonali Dattatraya	Final year	A. S.
24	Ghogare Tejas Sudhakas	Final year	A. S.
25	Ghule Rushikesh Kailas	Final year	A. S.
26	Giri Vijay Utkam	Final year	A. S.
27	Gore Nikhil Ashok	Final year	A. S.
28	Gulve Puja Sanjay	Final year	A. S.



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Date: 25/02/2023

Good Laboratory Practices

Name of Activity	Date	Time	Venue	No. of Students Present/Participated
Good Laboratory Practices	25/02/2023	01pm-2 pm	Online Platform	68
Name of Resource Faculty	Mr. Tushar Kataria Zydus Corporate Park, Scheme No.63, Survey No.536, Ahmedabad.			

SWGP's Loknete Shri Dadapatil Pharate College of Pharmacy has organized Good Laboratory Practices Session on Educational Campus to Credible Career Training for Pharmacy Students on 25th February 2023. Under this programme Mr. Tushar Kataria given the information to the students regarding creating awareness about GLP guidance and personality development. Total 68 students Participated in this program. On this occasion, Prof. Avinash Dhobale introduced the guest and made necessary arrangement to success the prescribe program.

This activity demonstrated that, yet, despite many successes in placement as well as in no of sectors of Pharmacy. All the students participated in event actively & enthusiastically.



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Good Laboratory Practices



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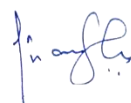
Academic Year: 2022-2023

Name of Seminar: Research Methodology: Approaches & Techniques

Date: 27/06/2023

Number of participants: 86




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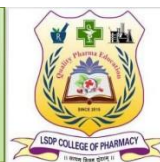


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Shri Wagheshwar Gramvikas Pratishthan's

**LOKNETE SHRI DADAPATIL PHARATE
COLLEGE OF PHARMACY**



Research Methodology: Approaches & Techniques



:- Speaker :-

Mr. V. A. Bhosale,

Zyodus Lifesciences Limited, Survey No.
417,419 & 420, Sarkhej Bhavla,
Ahmedabad.

DATE :-27/06/2023

VENUE:- SEMINAR HALL



PRINCIPAL

SWGPS LOKNETE SHRI DADAPATIL PHARATE
COLLEGE OF PHARMACY
Mandavgan Pharata, Tal. Shirur, Dist. Pune 412211

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Hon. Mr. R. V. Pharate
Founder President

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Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal

Attendance

Students Attendance			
Roll No.	Name of Student	Class	Sign
1	Adarsh Gajendra Ramchandra	Final Year	Panayil
2	Azote Hrushikesh Jagatadaya	Final Year	A. H. D.
3	Atas Shahid Shakil	Final Year	A. H. D.
4	Bandu Asankha Vijay	Final Year	A. H. D.
5	Bandu Jayshree Gaywan	Final Year	A. H. D.
6	Bansude Abhishek Vasant	Final Year	A. H. D.
7	Baskade Komal Jaysing	Final Year	A. H. D.
8	Bhalekar Rutwikchandra	Final Year	A. H. D.
9	Bhalkar Jaydip Rajendra	Final Year	A. H. D.
10	Bhos Abhishek Bhapat	Final Year	A. H. D.
21	Gradhve Gokshi Dattatraya	Final Year	A. H. D.
22	Gajase Maheshji Mohan	Final Year	A. H. D.
23	Gadud Ganga Dattatraya	Final Year	A. H. D.
24	Ghagase Tejasa Gudhakar	Final Year	A. H. D.
25	Ghule Hrushikesh Kailas	Final Year	A. H. D.
26	Giri Vijay Uttam	Final Year	A. H. D.
27	Gore Nikhil Ashok	Final Year	A. H. D.
28	Gulve Disha Ganjay	Final Year	A. H. D.
29	Gupta Poonam Ashok	Final Year	A. H. D.
30	Hivarkar Akashmacchindra	Final Year	A. H. D.
41	Karkhile Pratiksha Ramesh	Final Year	A. H. D.
42	Khandekar Rutwik Tatyas	Final Year	A. H. D.
43	Khasade Shubham Ashok	Final Year	A. H. D.
44	Khasade Omkar Sampat	Final Year	A. H. D.
45	Khedkar Shivani Arun	Final Year	A. H. D.
46	Khomane Gulabhai Ganjay	Final Year	A. H. D.
47	Kolage Hrushikesh Bhavsa	Final Year	A. H. D.
48	Konde Gauri Vilas	Final Year	A. H. D.
49	Kaipatani Rahul Nagesh	Final Year	A. H. D.
50	Kute Sanjeevani Mahavir	Final Year	A. H. D.
61	Nawale Omkar Ramchandra	Final Year	A. H. D.
62	Nidhalkar Chetan Arun	Final Year	A. H. D.
63	Nimbalkar Manjusha Mahesh	Final Year	A. H. D.
64	Pajude Shubham Pandurang	Final Year	A. H. D.
65	Pange Monika Balasahib	Final Year	A. H. D.
66	Pandekar Sanskriti Ganjay	Final Year	A. H. D.
67	Pandhe Omkar Ramdas	Final Year	A. H. D.
68	Pare Polanka Pandurang	Final Year	A. H. D.



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		Sign	Class
57	Parbhane Sakshi Sanjay	~~Sakshi~~	Final year
70	Patore Siddheshwar Dnyaneshwar	P. SD	Final year
91	Taware Akanksha Dipak	~~Akanksha~~	Final year
92	Thoset Satyashila Shashikanth	~~Satyashila~~	Final year
93	Verfale Mayur Pandurang	~~MP~~	Final year
94	Wairkar Dnyaneshwar Dnyaneshwar	~~W.D.~~	Final year
95	Wairkar Mahesh Ramesh	~~MRW~~	Final year
96	Wairkar Sambhav Sanjay	~~Sambhav~~	Final year
97	Yamgar Gaurav Baban	~~Gaurav~~	Final year
11	Bhosale Saket Gaurav	~~Saket~~	Final year
12	Bhavsare Kaushal Dattatray	~~Kaushal~~	Final year
13	Chaudhari Abhishek Manikant	~~Abhishek~~	Final year
14	Chaudhari Dipak Vijay	~~Dipak~~	Final year
16	Chavan Vansha Santosh	~~Vansha~~	Final year
16	Chavan Abhishek Dadasa	~~Abhishek~~	Final year
17	Chode Dipak Dadasaheb	~~Dipak~~	Final year
18	Donale Nikhil Navnath	~~N. N.~~	Final year
19	Dube Aniket Navnath	~~Aniket~~	Final year
20	Gadade Vaishnavi Dattatray	~~V.D.~~	Final year
31	Indore Sejal Sunil	~~Sejal~~	Final year
32	Jadhav Sneha Ramesh	~~Sneha~~	Final year
33	Jatkar Akash Jalindar	~~Akash~~	Final year
34	Kad Butia Anula Vitthal	~~Anula~~	Final year
35	Kadam Pooja Sanjay	~~Pooja~~	Final year
36	Kalamkar Sakshi Sunil	~~Sakshi~~	Final year
37	Kate Nilesh Santosh	~~Nilesh~~	Final year
38	Kambale Akash Sanjay	~~Akash~~	Final year
39	Kambale Kundan Bhavsar	~~Kundan~~	Final year
40	Kambale Vansha Balashankar	~~Vansha~~	Final year
51	Kandge Akshata Vitthal	~~Akshata~~	Final year
52	Lehot Riddhesh Shiddhar	~~R. S. Lehot~~	Final year
53	Machale Bhavasa Ramchandra	~~B. Machale~~	Final year
54	Mare Tejash Dnyanesh	~~Tejash~~	Final year
55	Mhaskar Snehal Ashok	~~Snehal~~	Final year
56	More Madhuri Gaurav	~~Madhuri~~	Final year
57	More Shubham Shivaji	~~Shubham M.~~	Final year
58	More Yogesh Mohan	~~Yogesh~~	Final year
59	Musale Prasad Pravin	~~Prasad~~	Final year
60	Nandkile Rohit Sanjay	~~Rohit N.~~	Final year
61	Nawale Omkar Ramchandra	~~Omkar N.~~	Final year
72	Paiwal Vaishali Dattatray	~~Vaishali~~	Final year
73	Phadke Bishwarya Mahesh	~~B. Phadke~~	Final year
74	Phadke Apurva Gaurav	~~Apurva~~	Final year
75	Pansing Dipali Dattatray	~~Dipali R.~~	Final year
76	Patil Pratiksha Chandan	~~Pratiksha~~	Final year
77	Rayate Gaurav Gaurav	~~Gaurav~~	Final year



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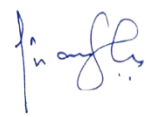
Seminar On Research Methodology: Approaches and Techniques

Name of Activity	Date	Time	Venue	No. of Students Present/Participated
Research Methodology: Approaches & Techniques	27/06/2023	01pm-2 pm	Seminar Hall	87
Name of Resource Faculty		Mr. V. A. Bhosale, Zydus Lifesciences Limited, Survey No. 417,419 & 420, Sarkhej Bhavla, Ahmedabad.		

SWGP's Loknete Shri Dadapatil Pharate College of Pharmacy has organized the session on Research Methodology: Approaches and Techniques for pharmacy students on 27 June, 2023. Under this program Mr. V. A. Bhosale had given the information to the students regarding different methods of research, types & approaches, etc. Total 121 students Participated in this program. On this occasion, Prof. Bhalerao Monali and Prof. Ganage Vaibhavi were organized the program and Dr. Hemant Kamble, Principal were introduced the guest and elaborate the subject in brief and Vote of thanks was given by Prof. Ganage Vaibhavi.

This activity demonstrated that, yet, despite many successes in placement as well as in no of sectors of Pharmacy. All the students participated in event actively & enthusiastically.




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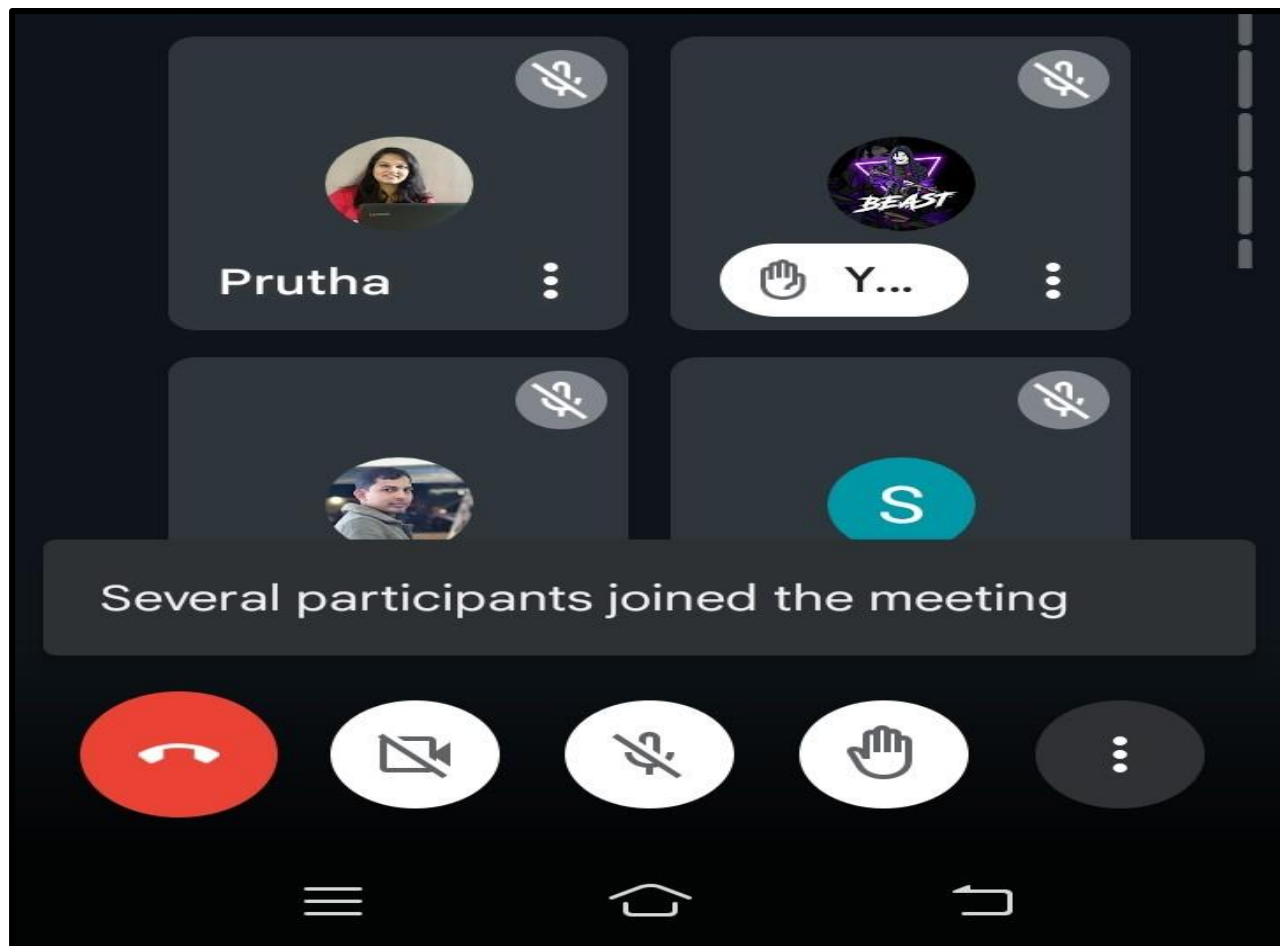
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Journal Club Activity



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JOURNAL CLUB ACTIVITY FOR PG STUDENTS

Introduction:

A journal club is an educational meeting in which a group of individuals discuss published articles, to keep themselves abreast of new knowledge, promoting in them the awareness of current research findings, teaching them to critique and appraise research, and encourage them to utilize research in evidence based practice of the speciality. A journal club one is simply expected to summarize the research question, the methods, the results and the conclusions and not slavishly read through the article. It is the presenter's interpretation that is more important than actually rehashing the contents of the article.

Scope/Objective:

1. Discussion and review of current literature.
2. Development of skills for evaluating medical literature.
3. Improving reading habits.
4. Improving small group participation, presentation, and communications skills.
5. Teaching and assessing critical appraisal skills for reading and writing a scientific paper.
6. Providing an interactive and social opportunity for peer to peer learning.

Activities Include:

1. PPT presentation.
2. Research paper preparation competition.
3. Discussion forum.



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JOURNAL CLUB GUIDELINES

1. First slide should contain, "Title Slide" that include Name of students, title of article, Name of guide, department, college name and college logo.
2. Second slide should contain, "Learning Outcome"
3. Introduction should be in one page.
4. Experimental method should be of max. 2-3 page.
5. Observation should be of max 2 page.
6. Conclusion should be of max 1 page
7. Result should be in one or 3 page.
8. Journal information should contain Name of journal (Recent 5-year journal), Index (Scopus, web of science/ UGC care), Author Name, Publication year, Publication name and search engine name (Google scholar, Research gate, Elsevier, Pubmedetc)
9. Presentation time will be 30- minute and 50-minute open discussion
10. Students must submit the report of presentation (article and ppt)





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FIELD VISIT REPORT.



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Venue	Inamgaon , inamgaon river
Date	05/06/2022
Collaborating agency	Number of LSDP with environmental action on sustainable development (EAST)
Number of student participated	109

To undertake the Environmental Studies Field Work which is a part of the new EVS Syllabus in Savitribai Phule Pune University (S. Y. B. Pharm), a visit was organized by the LSDP mandavgan College Campus to inamgaon village & inamgaon river side, Pune on 05/06/2022, Saturday. Inamgaonvillage & inamgaon river side is a small settlement that lies to the North of Mandavgan, off ashtvinyakhhighway. A total number of 109 students were taken for the Environment field work. This group consisted of Second Year B.Pharm students from our college. General. This group was placed under the charge of 03 teachers from the respective departments. EAST is an organization set up under the Bombay Societies Act, 1950? We believe that today's communities need to change their lifestyles if they wish that their future generations survive. We believe that this transformation, which has to be sustainable, can occur by appropriate and adequate environmental action. This action is brought about, to being with, environmental education. EAST delivers environmental education at school and college level and has started this from their home city of Pune. The students and the teachers were accommodated in 2 buses. The journey to inamgaon from the College premises at about 8:15 am and reached the destination at 9:00 am, i.e. in one- hours. The route taken to inamgaon was the following – LSDP mandavgan – Check Post – – mandavgan to inamgaon route and the Inamgaon village. The students of the LSDPCOP mandavgan were taken to Inamgaon and Inamgaon river area for field work. The focus of the field work was on various environmental issues in the region and sensitizing



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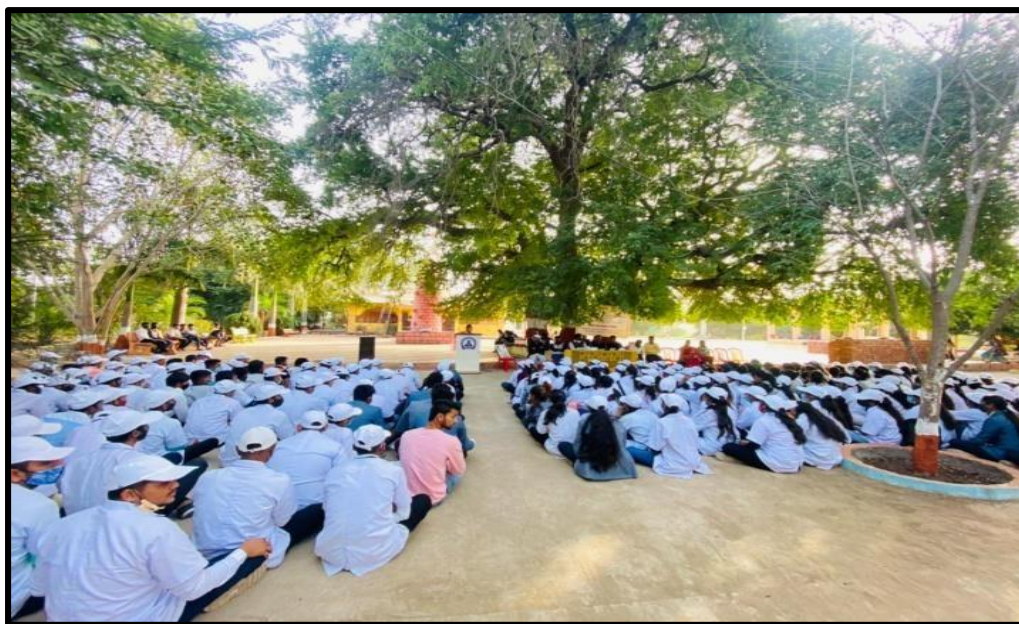
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The students to such issues. The students were very enthusiastic about the field work and later presented detailed field work reports which were during the viva voice exams. All the arrangement and guidance were provided by the EAST Representative Mr. Pritam bhore.

FIFELD VISIT REPORT ENVIRONMENT AWAREN 1



The students were provided with field observation sheet which they have to fill by their own observation on the field. The detailed observation sheet will be submitted along with the project for examination purpose. Various themes covered during the field work like Forest ecosystem, aquatic ecosystems, food chains, food webs, community conservation methods, Devrais, threatened species conservation, Urbanization and development, Agriculture etc. Fish farming or culture involves raising fish commercially in tanks or enclosures such as fish ponds, usually for food. Worldwide the most important fish species produced in fish farming are Carp, Tilapia, Salmon and Catfish etc. After the study, food was served which was cooked there itself.



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Following the lunch students enjoyed as arrangements for the music was also there. By 6:00 pm the trip ended and the buses returned to the campus. The event went well and it was a great learning experience for the students.

LIST OF STUDENTS

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Roll No	Student Name	Roll No	Student Name
1	Arde Aniket Govind	56	Mokashi Aniket Rajendra
2	Bagal Satyam Sarjerao	57	More Shivdatt Arun
3	Bedke Dhiraj Parmeshwar	58	Mote Ashwini Ramesh
4	Bhagwat Supriya Balu	59	Munde Vikram Babruvan
5	Bhingawade Hritika Shriman	60	Naikare Ankita Suresh
6	Biradar Krushana Laxman	61	Netake Abhishek Sudhakar
7	Borude Sachin Balasaheb	62	Nimbalkar Samruddhi Bhujang
8	Chandgude Rushikesh Dattatray	63	Pandarkar Shrikant Rajendra
9	Chavan Yash Santosh	64	Pandit Pratik Rambhau
10	Dangat Anuja Dilip	65	Pathare Mrunali Pradip
11	Deshmukh Gayatri Balaji	66	Patil Pranav Santosh
12	Dhande Omkar Sitaram	67	Patil Rajani Mahadev
13	Dhole Dipali Sunil	68	Pawar Poonam Balaji
14	Dhumal Pratik Anil	69	Pawar Prathmesh Atmaram
15	Divekar Mrunal Rajendra	70	Pawar Sahil Madhav
16	Divekar Priyanka Dadasaheb	71	Pharate Aishwarya Bapusaheb
17	Divekar Rohan Abasaheb	72	Pharate Siddhi Pandurang
18	Gadade Akshada Ananda	73	Pharate Suraj Sunil
19	Gadade Akshada Rajendra	74	Rajpure Akash Vishnu
20	Gadade Shubham Mahadev	75	Rakshe Akash Sadashiv
21	Gadadhe Dashrath Namdev	76	Rakshe Durgesh Satish
22	Gaikwad Aditya Sudam	77	Rathod Neha Uttam
23	Gaikwad Prasanna Dadasaheb	78	Rathod Santosh Govind
24	Gaikwad Tanuja Manohar	79	Salunkhe Rohit Nagnath
25	Ghadage Manthan Haanumant	80	Sathe Ganesh Santosh



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26	Ghadage Sakshi Abhay	81	Sathe Siddhi Subhash
27	Ghadage Vikram Trimbak	82	Satpute Prayal Vikas
28	Ghalame Suraj Ravindra	83	Sayyad Alfiya Sahaukat
29	Ghodake Kiran Balasaheb	84	Shaikh Riyaj Ganibhai
30	Ghumbare Chaitanya Ashok	85	Shekade Tushar Haribhau
31	Giramkar Tejaswi Trimbak	86	Shelar Sandesh Santosh
32	Hajare Sujit Rajendra	87	Shelar Siddhesh Balasaheb
33	Ingale Pratiksha Yuvraj	88	Shelkande Sakshi Haribhau
34	Jadhav Aditya Kishor	89	Shinde Akash Rajendra
35	Jadhav Sandesh Sushant	90	Shinde Dayanan Dilip
36	Jadhav Vijay Shivaji	91	Shinde Kunal Balasaheb
37	Jagtap Meghna Bhagwan	92	Shinde Pankaj Mahadev
38	Jagtap Pratik Somnath	93	Shinde Sanjivani Shravan
39	Jagtap Rushikesh Sunil	94	Sonawane Harshad Ravindra
40	Kadam Ganesh Ashok	95	Sonawane Snehal Rohidas
41	Kale Saurav Sunil	96	Sonwal Somesh Gorakh
42	Kangude Pratiksha Nagnath	97	Sudrik Tushar Nanasaheb
43	Khaladkar Santosh Vilas	98	Supekar Pranav Kailas
44	Khaladkar Sourabh Narayan	99	Suryawanshi Priti Bhaidas
45	Kolhe Sakshi Vijay	100	Tekale Santosh Barikrao
46	Kolhe Sanika Sanjay	101	Thawal Shraddha Subhash
47	Kulkarni Nagesh Ramesh	102	Thete Ruchi Rajesh
48	Kurumkar Bhagyashri Rajendra	103	Wable Amruta Laxman
49	Lagad Rutuja Rajendra	104	Wable Sakshi Bharat
50	Malegave Digambar Vitthalgonda	105	Wagh Sanjay Limbraj
51	Maral Abhijeet Mahadev	106	Walunj Akshay Rajendra



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52	Marane Ghanshyam Jalindhar	107	Walunj Madhuri Shahaji
53	Marathe Atharv Ravikiran	108	Yadav Komal Suresh
54	Mhaske Bhushan Vilas	109	Yoge Supriya Pravin
55	Mhaske Prajakata Pandurang		



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SWATCH BHARAT ABHIYAN

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Venue: A/P-Inamgaon, Tal- Shirur, Dist-Pune Date: 26/01/2022 to 31/01/2023 Time of the Event: 08.00 A.M. TO 10.00 AM a) Introduction: Swachh Bharat Abhiyan (SBA) or Swachh Bharat Mission (SBM) is a nation-wide campaign in India for the period 2014 to 2019 that aims to clean up the streets, roads and infrastructure of India's cities, towns, and rural areas.

The objectives of Swachh Bharat include:

- a) Eliminating open defecation through the construction of household-owned and community-owned toilets and establishing an accountable mechanism of monitoring toilet use.
- b) Theme: "Clean India Mission"
- c) Significance: The mission will also contribute to India reaching Sustainable Development Goal 6 (SDG 6), established by the UN in 2015.
- d) Conduction: The NSS Unit of institute has organized the Swachh Bharat mission at A/P-Inamgaon, Tal-Shirur, Dist-Pune in association with local Gram Panchayat. They also interacted with the students and helped to create awareness on cleanliness, new alternatives for electricity use, water harvesting and management of waste. This day whole and solely was dedicated for the cleaning purpose. The team work was noticeable as students drove a cleanliness programme around the school area, village roads removed dust heaps. Roads were cleaned with the help of brooms. The drainage flows were cleared for this they made the large wells, the larger garbage dump was burned out.
- e) Guest Details: Campus Director Shri. Sangram Rajedhavade and Principal Dr. H. V. Satpute were present for the camp.
- f) Students & Faculty response & participation: In total, 22 NSS students & 02 Faculty were participated.



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SWATCH BHARAT ABHIYAN



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NIRMAL VARI



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REPORT OF "NIRMAL VARI"

The NSS Unit of LSDP College of Pharmacy participated in "NIRMAL VARI- July-2022" at Loni Kalbhor Tal: Haveli Dist: Pune organized by Savitribai Phule Pune University National Service Scheme along with Grampanchyat Loni Kalbhor on 9th July 2022 under the able guidance of Dr.H.V.Kamble, Principal of the LSDP college and Shri. Sanram Rajedhavde Director LSDP College Campus. Every year on the occasion of Sant Tukaram Maharaj Palkhi Sohala from Dehu to Pandharpur SPPU NSS organize the "NIRMAL WARI" to spread the message of Cleanliness among the varkaries for the healthiness of nation.

Twenty Five NSS volunteers of Jaywant Shishan Prasarak Mandal's Charak College of Pharmacy & Research College in association with Grampanchyat Loni Kalbhor, Loni Kalbhor participated in the "Nirmal Vari" on a massive scale under the guidance of Prof. Prof. S. A. Waghmare, Student Welfare Officer, Dr. L. V. Sonawane and Prof. M. J. Deshpande NSS Programme Officers. Following work is done on the day of Nirmal Vari at Loni Kalbhor.

1. Organized rally for the awareness of cleanliness under Nirmal vari Swachh va swasth Bharat Abhiyan.
2. After rally met Grampanchyat Sarpanch Mrs. Vandana Kalbhor and discussed regarding work distribution, made seven teams of NSS/BSD volunteers, each team was having 10 students with one Team Leader and the teams were appointed in seven different locations (at Bazar Tal, Jai Hind School Ground, Marahti School, Ambarnath, Mahadev Temple, Kharabachi Wadi, Sai Dham) to help and guide varkaries.
3. Our teams worked in two shifts, From Morning 8:00am to 6:00pm with a team of 60 volunteers and in Evening from 6:00pm To Morning 6:00am with a team of 25 volunteers.
4. Our teams helped in following regards: a.Served food for varkaries. b.Instructed them to use Dustbins and Washrooms. c.Cleaned streets and roads by picking up garbage thrown by some varkaries.



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5. All NSS/BSD volunteers along with teachers joined this Nirmal vari very actively with great fervour and joy.



Nirmal Wari



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2. Integrated/Interdisciplinary Learning



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Anti-Urolithic Report



Hon. Mr. R. V. Pharate
Founder President

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Principal

Activity: Preclinical Study of Anti-Urolithic effect of kadalikashara in ethylene glycol induced Urolithic rats

Date: November 2022 to May 2023

Name of Student: Dr. Ashish Bandal, Govt Ayurvedic College

Guide: Dr. H.V. Kamble

Place: Person In Charge of animal activity: Mr. D. M. Shinde, Asst. Professor, Pharate Patil Ayurvedic Medical College, Mandavgan Pharata

Objective: To study the Anti-Urolithic effect of kadalikashara

No. of Participants: 2 Students 1 Faculty

BRIEF REPORT OF THE ACTIVITY

Nephrolithiasis or renal stone disease remains a significant health problem in the adult population, with serious medical consequences, throughout a patient's lifetime. Anti-urolithic is an agent which prevents urinary calculi formation.

Kadali Kshara is an alkaline Ayurvedic medicine, available in powder form. It is prepared from stem of Banana tree. The medicine is in use since the time of Sushruta. It acts as a natural diuretic therefore useful to relieve dysurea (difficulty in urination) and urinary calculi. It is also useful in the treatment of abdominal distension as in ascites, liver and spleen disorders. It is used in Ayurveda for treatment Chronic fever, Oedema, Toxic condition and Slow poisoning, Malabsorption syndrome, Gastro-enteritis, Anorexia, Dyspepsia and Internal abscess.

Animals-Male Albino Wistar rats (200-250 g) were used. The study protocol was approved by the Institutional Animal Ethical Committee (IAEC) of CPCSEA (Committee for the Purpose of Control and Supervision of Experiments on Animals)



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Animal Model-Ethylene glycol-induced urolithiasis model in rats was used for perform curative study and preventive study. Assessment of Antiurolithiatic activity was carried out by analyzing various parameters.

1. Collection and analysis of urine for calcium and oxalate and phosphorus, uric acid and citrate.
2. Serum analysis- Blood analyzed for creatinine, urea nitrogen and uric acid using Automated Clinical Chemistry Analysis System.
3. Kidney homogenate analysis-. The calcium, phosphate and oxalate content in the kidney homogenate were determined using an automated system.
4. . Diuretic activity -The urine volume, electrolyte and pH were measured at 24 h.
5. Sonography-Effect of kadalikashara on kidney stone was confirmed by performing Sonography.

Test	Statistical significance Compared to Normal control (G1)		Statistical significance Compared to Lithiatic Control (G2)	
	Day 14	Day 28	Day 14	Day 28
Calcium	Lithiatic: Increased Test 1: Increased Test 2: Increased	Lithiatic: Increased Test 1: Increased	Test 1: Decreased Test 2: Decreased Test 3: Decreased	Test 1: Decreased Test 2: Decreased Test 3: Decreased
Phosphorous	Lithiatic: Increased	Lithiatic: Increased	Test 1: Decreased Test 2: Decreased Test 3: Decreased	Test 1: Decreased Test 2: Decreased Test 3: Decreased
Uric Acid	Lithiatic: Increased Test 1: Increased Test 2: Increased	Lithiatic: Increased Test 1: Increased	Test 2: Decreased Test 3: Decreased	Test 2: Decreased Test 3: Decreased



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Oxalate	Lithiatic: Increased Test 1: Increased	Lithiatic: Increased Test 1: Increased Test 2: Increased Test 3: Increased	Test 1: Decreased Test 2: Decreased Test 3: Decreased	Test 1: Decreased Test 2: Decreased Test 3: Decreased
Citrate	No variations	No variations	No variations	No variations

Before and after study.

Conclusion- kadalikashara showed significant Anti-Urolithic effect



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Entrepreneurship Awareness Lecture



Hon. Mr. R. V. Pharate
Founder President

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Entrepreneurship Awareness Lecture sponsored by Entrepreneurship Development Institute of India, Ahmedabad and DST, Government of India, New Delhi was organized at Loknete Shri Dadapatil Pharate College of Pharmacy and Research from 29th to 31st August 2022. Approximately 75 students have successfully participated in the camp and each participant is awarded a certificate. The camp was successfully coordinated by Prof. S. A. Waghmare. The main objective of this Entrepreneurship Awareness Camp (EAC) is to create awareness among students of pharmaceutical courses about various facets of entrepreneurship as an alternative career option. The idea of organizing this workshop is to inculcate the fundamentals, key concepts of Entrepreneurship in the Science and Technology among students.



Activity Photo



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Report of Environment Science Field Trip Visit



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REPORT OF ENVIRONMENT SCIENCE FIELD TRIP VISIT

To undertake the Environmental Studies Field Work which is a part of the new EVS Syllabus in Savitribai Phule Pune University (S.Y.B.Pharm), a visit was organised by the LSDP College campus to Ramdhara Temple and Govt. Fish Farm, Hadapsar, Pune on 29 /10/2022, Friday. Ramdhara Temple is a small settlement that lies to the east of Saswad, off NH09. A total number of 62 students were taken for the Environment field work. This group consisted of Second Year B.Pharm students from our college. General. This group was placed under the charge of 03 teachers from the respective departments. EAST is a an organization set up under the Bombay Societies Act, 1950. We believe that today's communities need to change their lifestyles if they wish that their future generations survive. We believe that this transformation, which has to be sustainable, can occur by appropriate and adequate environmental action. This action is brought about, to being with, environmental education. EAST delivers environmental education at school and college level and has started this from their home city of Pune. The students and the teachers were accommodated in 2 buses. The journey to Ramdhara Temple from the College premises at about 8:15 am and reached the destination at 10.30 am, i.e. in two-hours and 15 Minutes. The focus of the field work was on various environmental issues in the region and sensitizing the students to such issues. The students were very enthusiastic about the field work and later presented detailed field work reports which were during the viva voice exams. All the arrangement and guidance were provided by the EAST Representative Mr. A.V. Dhobale. The students were provided with field observation sheet which they have to fill by their own observation on the field. The detailed observation sheet will be submitted along with the project for examination purpose. Various themes covered during the field work like Forest ecosystem, aquatic ecosystems, food chains, food webs, community conservation methods, Devrais, threatened species conservation, Urbanization and development, Agriculture etc. Fish farming or culture involves raising fish commercially in tanks or enclosures such as fish ponds, usually for food. Worldwide the most important fish species produced in fish farming are Carp,



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Tilapia, Salmon and Catfish etc. Ramdhara is a temple built near loni in the 1970's on the ruins of an ancient temple . The main shrine is that of shiva, but the temple is renowned for the idols of Ram, Laksman and Sita. Next to the temple is also an ashram of Shri Devipuri Maharaj also known as Dhund iBaba. There is a small pond next to the temple. The temple complex is surrounded by thick vegetation and is home to many different types of birds. After the study, food was served which was cooked there itself. Following the lunch students enjoyed as arrangements for the music was also there. By 8:00 pm the trip ended and the buses returned to the campus. The event went well and it was a great learning experience for the students.





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3. Participative Learning



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POSTER PRESENTATION COMPETITION



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Loknete Shri Dadapatil College Of Pharmacy, Mandavgan Pharata,Pune was organized HAP Model making competition on January 2023. HAP Model making competition was organised with the aim to enhance thinking ability, analytical, research and to develop effective speech composition and delivery. HAP Model making competition was evaluated by Dr. Hemant Kamble, Principal Loknete Shri Dadapatil Patil College of Pharmacy, Mandavgaon PharataThe sixty students from different Pharmacy College were participated in the Competition

Group Assignments are given to the students like preparing chart/poster.





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1.	Name of activity	POSTER COMPETATION
2	Date of activity	09-08-2022
3	Time	10AM-5PM
4	Total no students participate	All
5	Occasion of activity	Academic Activity
6	Inauguration by	Mr. Dhawale Sachin Ashok
7	Place of activity	LSDPCOP Tal-Shirur Dist Pune
8	Objective	Organizing a poster contest is a great method to get people interested in a subject and spread awareness of it. The following is a how-to manual for setting up an effective poster competition: Select a Theme: Select the competition's poster theme. It could be about health awareness, cultural diversity, environmental concerns, social issues, or anything else that is pertinent to your goals and target audience.



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Guest Lecture for

Carrier Guidance



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NOTICE

GUEST LECTURE

Date: 30/08/2022

All the faculty and students are hereby informed that a career guidance session has been organized for Final Year B. Pharmacy and Second Year B Pharmacy students have been scheduled on 2 September 2022.

Topic: Aptitude and Resume Writing

Time: 01:00pm to 02:00 pm

Venue: Seminar Hall, 3 Floor

Note: Attendance will be noted of each student.

For more enquiries please [Incharge](#)

Guest Lecture Incharge

Principal



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INVITATION LETTER

Ref. No: SWGP/LSDP/2022-23/GP1

Date: 27/08/2022

To,
Mr. Amol Thaware
Life Skill Trainer,
Bhugaon, Pune

Subject: Invitation for guest lecture on Aptitude and Resume Writing on 02/09/2022.

Dear Sir,

SWGP's Loknete Shri Dadapatil Pharate College of Pharmacy was established in 2015-2016 by Hon. Shri. Rajiv Pharate Patil, Founder President Shri Wagheshwar Gramvikas Pratishthan, Mandavgan Pharata, The college is affiliated to Savitribai Phule Pune University and offers two year full time diploma course (D. Pharm), four years full time degree course (B.Pharm), Two Years full Time Post Graduate Course (M.Pharm) in Pharmaceutics, Pharmaceutical Chemistry & Pharmacology.

We are committed to provide value based quality education maintaining pace with changing technology. As a part of our efforts to deliver content beyond syllabus and update students with current scenario in pharmaceutical industry due to that students get aware about their career and make themselves prepare for interview and further needful.

With this preview, I am very pleased to invite you to deliver lecture on Aptitude and Resume Writing. The lecture is scheduled on

02/09/2022 from 01:00pm to 02:00 pm

I hope you will accept our invitation and share your knowledge and information with our students.

Thanking You.

PRINCIPAL

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Thanking Letter

Ref. No: SWGP/LSDP/ 2022-23/GP2

Date: 02/09/2022

To,
Mr. Amol Thaware
Life Skill Trainer,
Bhugaon, Pune

Dear Sir,

It is indeed my pleasure to acknowledge your contribution towards Guest Lecture on "Aptitude and Resume Writing" conducted on 02/09/2022 for the students of our college "SWGP's Loknete Shri Dadapatil Pharate College of Pharmacy".

The inputs you provided to the students during the training session are of great relevance and significance. It will surely help to choose the carrier in core pharmaceutical sector, IT Sector etc and to groom the students as per pharmaceutical company expectations.

On behalf of the management, teachers and students, I sincerely thank you for taking time out of you busy schedule and supporting our students.

We certainly look forward to avail your services in future.





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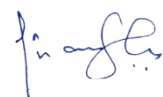
Dr. H. V. Kamble
Principal

REPORT

Title:	Aptitude and Resume Writing
Speaker:	Mr. Amol Thaware Life Skill Trainer, Bhugaon, Pune
Objective:	To develop the skill of aptitude and resume writing
Venue:	Auditorium, Loknete Shri Dadapatil Pharate College Of Pharmacy, Mandavgan Pharata.
Date:	02/09/2022
No. of Students resent:	87

Loknete Shri Dadapatil Pharate College Of Pharmacy, Mandavgan Pharata., Organizing training sessions on Aptitude and Resume writing from academic year 2022-23. Under this programme conducted Mr. Amol Thaware the guest lecture on Aptitude and Resume writing. Prof. Vikas Gadadhe Welcomed to Mr. Amol Thaware, Life Skill Trainer, Kharadi, Pune and Requested him to start the session. He discussed professional awareness and current scenario of employment. He also explained the importance of aptitude and resume writing. He also said that for securing the Job, building of resume is very important. They explained the various steps of building the resume depending upon type of job. Prof. S. A. Waghmare expressed the gratitude for providing this valuable information to the students.




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Mr. Amol Thaware Conducting the Lecture on Aptitude and Resume Writing



H. V. Kamble
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REPORT

Title:	"Soft Skill-Importance in Personal and Social Life"
Speaker:	Ms.Ashwini V. Gaikwad, Pune-9960873605
Objective:	Guest Lecture on "Soft Skill-Importance in Personal and Social Life"
Venue:	Auditorium, Loknete Shri Dadapatil Pharate College Of Pharmacy, Mandavgan Pharata.
Date:	12/09/2022
No. of Students Present:	146

Loknete Shri Dadapatil Pharate College Of Pharmacy is organizing the from the academic year 2022-23. The objective of this scheme is as follows:

- To update the knowledge and information amongst the students.
- To provide the guidance for study.
- To inspire the students to increase their intellectual level
- To increase the confidence and awareness within the students.
- To provide the knowledge of employability skill to the students.
- To remove the inferiority complex from the students.

Under this scheme Ms.Ashwini V. Gaikwad. Conducted the guest lecture on topic **Soft Skills: Importance in Personal and**

Professional Life. Dr. S. A. Waghmare welcomed and felicitated Ms. Ashwini V. Gaikwad .



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Prof. Vikas Gadhade introduced Ms.Ashwini V. Gaikwad and requested him to start the session. Ms.Ashwini V. Gaikwad guided the students about importance of soft skills in personal and professional life. He also explained that soft skill is important to improve qualities like teamwork, leadership and communication. Prof. Aishwarya Bhandari expressed the

Gratitude for sharing the valuable information to the students.



Soft Skill-Importance in Personal and Soft Professional Life guest
Lecture By Ms, Ashwini.V,Gaikwad



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Principal

Title:	"Communication"
Speaker:	Dr. Gurudatta Shinde, Pharate Patil Ayurvedic Medical College, Mandavgan Pharata, Pune
Objective:	Guest lecture on "Communication"
Venue:	Auditorium, Loknete Shri Dadapatil Pharate College Of Pharmacy, Mandavgan Pharata.
Date:	08/01/2023
No. of Students resent:	101

Loknete Shri Dadapatil Pharate College Of Pharmacy is organizing the from the academic year 2022-23. The objective of this scheme is as follows:

To update the knowledge and information amongst the students.

To provide the guidance for study.

To inspire the students to increase their intellectual level

To increase the confidence and awareness within the students.

To provide the knowledge of employability skill to the students.

To remove the inferiority complex from the students.



Hon. Mr. R. V. Pharate
Founder President

Shri Wagheshwar Gramvikas Pratishthan's
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Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal

Under this scheme conducted the guest lecture on topic **Communication**. Dr. H. V. Kamble welcomed and felicitated Dr. Gurudatta Shinde. Prof. A. S.Bhandari introduced Dr. Gurudatta Shinde and requested him to start the session. Dr. Gurudatta Shinde had explained the meaning and importance of communication skill. He also explained the students that how communication skill is important to achieve the success in our field of pharmacy. Prof. Shubhangi Kangude expressed the gratitude for sharing the valuable information to the students.



H. V. Kamble

PRINCIPAL

SWGP'S LOKNETE SHRI DADAPATIL PHARATE
COLLEGE OF PHARMACY
Mandavgan Pharata, Tal. Shirur, Dist. Pune 412211



Hon. Mr. R. V. Pharate
Founder President

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Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal

Guest Lecture for Competative Examination



Hon. Mr. R. V. Pharate
Founder President

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Founder Secretary



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Principal

Year	Name of the scheme	Number of students benefited by/attended / participated in career advancement/competitive exams activities	Total number of students in the Institution
2022-23	Guest lecture on "Opportunities of Higher Studies in India and Abroad" by Mr. Rahul Mugdayal, SI-UK, Pune	83	436
	Guest lecture on "Study Abroad" by Mr. Amol, Director, Edwise Consultancy, Pune	50	
	Guest lecture on "GPAT Preparation and Career Counselling" by Ms. Gauri Dahitule, BITS, Pilani, Rajasthan	101	
	Special Guidance on "GPAT" Mr. Manohar Potale, Alumni	125	
	Guest lecture on "Medical Coding as career sector in Pharmacy" by Mr. Ashutosh Bodhak Advantmed India LLP Pvt. Ltd, Kharadi, Pune	75	



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Founder Secretary



Dr. H. V. Kamble
Principal

1) "Opportunities of Higher Studies in India and Abroad" by Mr. Rahul Mugdayal, SI-UK, Pune

Shri Wagheshwar Gramvikas Pratishthan's
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Hon. Mr. R. V. Pharate
Founder President

Hon. Mrs. M. R. Pharate
Founder Secretary

Dr. H. V. Kamble
Principal

1) "Opportunities of Higher Studies in India and Abroad" by Mr. Rahul Mugdayal, SI-UK, Pune

Date: 07/09/2022

Circular

All the faculty and students are hereby informed that a Opportunities of Higher Studies in India and Abroad session has been organized for Final Year B. Pharmacy and Third Year B Pharmacy students have been scheduled on Saturday, 10 September 2022.

Topic: Opportunities of Higher Studies in India and Abroad
Venue: Seminar Hall, 3 Floor

Note: Attendance will be noted of each student. For more enquiries please Program Officer.

Dr. H.V. Kamble
PRINCIPAL
SHRI WAGHESHWAR GRAMVIKAS PRATISTHAN'S
LOKNETE SHRI DADAPATIL PHARATE COLLEGE OF PHARMACY
Mandavgan Pharata, Tal. Shirur, Dist. Pune-412211

PRINCIPAL
SHRI WAGHESHWAR GRAMVIKAS PRATISTHAN'S
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Hon. Mr. R. V. Pharate
Founder President

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Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal

INVITATION LETTER

	Shri Wagheshwar Gramvikas Pratishthan's LOKNETE SHRI DADAPATIL PHARATE COLLEGE OF PHARMACY A/p-Mandavgan Pharata, Tal-Shirur, Dist-Pune, 412211.	
Hon. Mr. R. V. Pharate Founder President	Hon. Mrs. M. R. Pharate Founder Secretary	Dr. H. V. Kamble Principal
Ref.No: SWGP/LSP/TP/2022-23/17		Date: 07/09/2022
INVITATION LETTER To Mr. Rajul Mugdoyal, SI-UK, Pune. Subject: Invitation for guest lecture on Opportunities of Higher Studies in India and Abroad in 10/09/2022. Dear Sir, SWGP's Loknete Shri Dadapatil Pharate College of Pharmacy was established in 2015-2016 by Hon. Shri. Rajul Pharate Patil, Founder President Shri Wagheshwar Gramvikas Pratishthan, Mandavgan Pharata. The college is affiliated to Savitribai Phule Pune University and offers two year full time diploma course (D. Pharma), four years full time degree course (B.Pharm), Two Years full Time Post Graduate Course (M.Pharm) in Pharmaceutics, Pharmaceutical Chemistry & Pharmacology. We are committed to provide value based quality education maintaining pace with changing technology. As a part of our efforts to deliver content beyond syllabus and update students with current scenario in pharmaceutical industry due to that students get aware about their career and make themselves prepare for interview and further needful. With this preview, I am very pleased to invite you to deliver lecture on Opportunities of Higher Studies in India and Abroad. The lecture is scheduled on 10/09/2022 from 02:00 pm to 04:00 pm. I hope you will accept our invitation and share your knowledge and information with our students. Thanking You.  PRINCIPAL SWGP'S LOKNETE SHRI DADAPATIL PHARATE COLLEGE OF PHARMACY Mandavgan Pharata, Tal-Shirur, Dist-Pune-412211 Dr. H. V. Kamble Principal  PRINCIPAL SWGP'S LOKNETE SHRI DADAPATIL PHARATE COLLEGE OF PHARMACY Mandavgan Pharata, Tal-Shirur, Dist-Pune-412211		



Hon. Mr. R. V. Pharate
Founder President

Shri Wagheshwar Gramvikas Pratishthan's
**LOKNETE SHRI DADAPATIL PHARATE COLLEGE OF
PHARMACY**

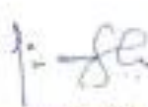
A/p-Mandavgan Pharata, Tal-Shirur, Dist-Pune, 412211.

Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal

THANKING LETTER

	Shri Wagheshwar Gramvikas Pratishthan's LOKNETE SHRI DADAPATIL PHARATE COLLEGE OF PHARMACY A/p-Mandavgan Pharata, Tal-Shirur, Dist-Pune, 412211.	
Hon. Mr. R. V. Pharate Founder President	Hon. Mrs. M. R. Pharate Founder Secretary	Dr. H. V. Kamble Principal
Ref. No: SWGP/LSDP/T&P/2022-23/19		Date: 10/09/2022
THANKING LETTER To Mr. Rahul Mugdayal, SI-UK, Pune Dear Sir, It is indeed my pleasure to acknowledge your contribution towards Guest Lecture on "Opportunities of Higher Studies in India and Abroad" conducted on 10/09/2022 for the students of our college "SWGP's Loknete Shri Dadapatil Pharate College of Pharmacy". The inputs you provided to the students during the training session are of great relevance and significance. It will surely help to choose the carrier in core pharmaceutical sector, IT Sector etc and to groom the students as per pharmaceutical company expectations. On behalf of the management, teachers and students, I sincerely thank you for taking time out of you busy schedule and supporting our students. We certainly look forward to avail your services in future.  PRINCIPAL Dr. H. V. Kamble SWGP'S LOKNETE SHRI DADAPATIL PHARATE COLLEGE OF PHARMACY Mandavgan Pharata, Tal. Shirur, Dist. Pune  PRINCIPAL		



SWGP'S LOKNETE SHRI DADAPATIL PHARATE
COLLEGE OF PHARMACY
Mandavgan Pharata, Tal. Shirur Dist. Pune-41



Hon. Mr. R. V. Pharate
Founder President

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A/p-Mandavgan Pharata, Tal-Shirur, Dist-Pune, 412211.

Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal

Opportunities of Higher Studies in India and Abroad

Activity Report

Speaker: Mr. Rahul Mugdayal

Objective: To provide guidance to the students about Opportunities of Higher Studies in **India** and Abroad

Venue: Seminar Hall, SWGP's Loknete Shri Dadadpatil Pharate College of Pharmacy,
Mandavgan Pharata

Date: 10/09/2022

No. of Students Enrolled: 83



Mr. Rahul Mugdayal delivering lecture on Opportunities of Higher Studies in India and Abroad



Hon. Mr. R. V. Pharate
Founder President

Shri Wagheshwar Gramvikas Pratishthan's
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Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal

2) Guest lecture on "Study Abroad" by Mr. Amol Thaware, Director, Edwise Consultancy, Pune



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Hon. Mr. R. V. Pharate
Founder President

Hon. Mrs. M. R. Pharate
Founder Secretary

Dr. H. V. Kamble
Principal

2) Guest lecture on "Study Abroad" by Mr. Amol Thaware, Director, Edwise Consultancy, Pune

Date: 23/02/2023

Circular

All the faculty and students are hereby informed that a "Study Abroad" session has been organized for Final Year B. Pharmacy and Third Year B Pharmacy students have been scheduled on Monday, 27 February 2023.

Topic: Studies in Abroad
Venue: Seminar Hall, 3 Floor

Note: Attendance will be noted of each student. For more enquiries please Program Officer.



Dr. H.V. Kamble
PRINCIPAL
Principal
SWGP'S LOKNETE SHRI DADAPATIL PHARATE
COLLEGE OF PHARMACY
Mandavgan Pharata, Tal. Shirur, Dist. Pune-412211



PRINCIPAL
SWGP'S LOKNETE SHRI DADAPATIL PHARATE
COLLEGE OF PHARMACY
Mandavgan Pharata, Tal. Shirur Dist. Pune-412211



Hon. Mr. R. V. Pharate
Founder President

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Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal

INVITATION LETTER

 Hon. Mr. R. V. Pharate Founder President	Shri Wagheshwar Gramvikas Pratishthan's LOKNETE SHRI DADAPATIL PHARATE COLLEGE OF PHARMACY A/p-Mandavgan Pharata, Tal-Shirur, Dist-Pune, 412211. Hon. Mrs. M. R. Pharate Founder Secretary	 Dr. H. V. Kamble Principal
Ref.No: SWGP/ISDP/T&P/2022-23/21		Date: 23/02/2023
INVITATION LETTER To Mr. Anil Thaware, Life Skill Trainer, Bhugam, Pune Subject: Invitation for guest lecture on Studies in Abroad in 27/02/2023. Dear Sir, SWGP's Loknete Shri Dadapatil Pharate College of Pharmacy was established in 2015-2016 by Hon. Shri. Rajiv Pharate Patil, Founder President Shri Wagheshwar Gramvikas Pratishthan, Mandavgan Pharata, The college is affiliated to Savitribai Phule Pune University and offers two year full time diploma course (D. Pharm), four years full time degree course (B.Pharm), Two Years full Time Post Graduate Course (M.Pharm) in Pharmaceutics, Pharmaceutical Chemistry & Pharmacology. We are committed to provide value based quality education maintaining pace with changing technology. As a part of our efforts to deliver content beyond syllabus and update students with current scenario in pharmaceutical industry due to that students get aware about their career and make themselves prepare for interview and further needful. With this preview, I am very pleased to invite you to deliver lecture on Studies in Abroad. The lecture is scheduled on 27/02/2023 from 01:00 pm to 02:00 pm. I hope you will accept our invitation and share your knowledge and information with our students. Thanking You.  PRINCIPAL DR. H.V. KAMBLE Principal   PRINCIPAL SWGP'S LOKNETE SHRI DADAPATIL PHARATE COLLEGE OF PHARMACY Mandavgan Pharata, Tal. Shirur, Dist. Pune 412211		



Hon. Mr. R. V. Pharate
Founder President

Shri Wagheshwar Gramvikas Pratishthan's
**LOKNETE SHRI DADAPATIL PHARATE COLLEGE OF
PHARMACY**

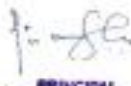
A/p-Mandavgan Pharata, Tal-Shirur, Dist-Pune, 412211.

Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal

THANKING LATTER

 Hon. Mr. R. V. Pharate Founder President	Shri Wagheshwar Gramvikas Pratishthan's LOKNETE SHRI DADAPATIL PHARATE COLLEGE OF PHARMACY A/p-Mandavgan Pharata, Tal-Shirur, Dist-Pune, 412211. Hon. Mrs. M. R. Pharate Founder Secretary	 Dr. H. V. Kamble Principal
Ref. No: SWGP/LSDP/T&P/2022-23/22		Date: 27/02/2023
THANKING LATTER To Mr. Amol Thaware, Life Skill Trainer, Bhugan, Pune Dear Sir, It is indeed my pleasure to acknowledge your contribution towards Guest Lecture on "Studies in Abroad" conducted on 27/02/2023 for the students of our college "SWGP's Loknete Shri Dadapatil Pharate College of Pharmacy". The inputs you provided to the students during the training session are of great relevance and significance. It will surely help to choose the carrier in core pharmaceutical sector, IT Sector etc and to groom the students as per pharmaceutical company expectations. On behalf of the management, teachers and students, I sincerely thank you for taking time out of you busy schedule and supporting our students. We certainly look forward to avail your services in future.  PRINCIPAL DR. H. V. KAMBLE SWGP'S LOKNETE SHRI DADAPATIL PHARATE COLLEGE OF PHARMACY Mandavgan Pharata, Tal. Shirur, Dist. Pune 412211 Principal   PRINCIPAL SWGP'S LOKNETE SHRI DADAPATIL PHARATE COLLEGE OF PHARMACY Mandavgan Pharata, Tal. Shirur, Dist. Pune 412211		



Hon. Mr. R. V. Pharate
Founder President

Shri Wagheshwar Gramvikas Pratishthan's
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Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal

Guest lecture on "Study Abroad"

Activity Report

Speaker: Mr. Amol Thaware

Designation: Director, Edwise, Pune

Objective: To give the information to the students about Higher educations which are offered various international universities

Venue: Seminar Hall, SWGP's Loknete Shri Dadadpatil Pharate College of Pharmacy, Mandavgan Pharata

Date: 27/02/2023

No. of Students Enrolled: 50



Mr. Amol Thaware delivering lecture on Study Abroad



Hon. Mr. R. V. Pharate
Founder President

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Founder Secretary



Dr. H. V. Kamble
Principal

Medical Coding as career sector in Pharmacy

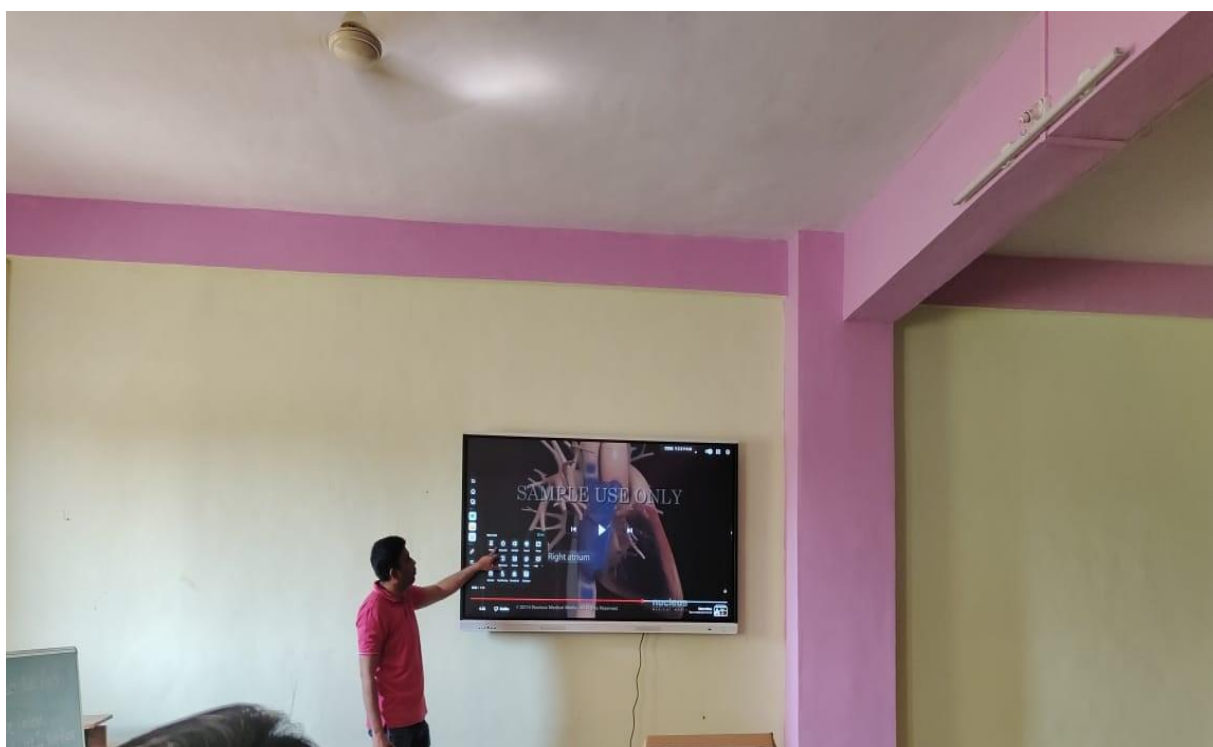
Speaker: Mr. Ashutosh Bodhak

Designation: President, Advantmed India LLP Pvt. Ltd, Kharadi, Pune

Objective: To give the information about career opportunities in medical coding sector for pharmacy professionals

Venue: Seminar Hall, SWGP's Loknete Shri Dadadpatil Pharate College of Pharmacy, Mandavgan Pharata **Date:** 24/01/2023

No. of Students Enrolled: 115



Mr. Ashutosh Bodhak Conducting the Session of Medical Coding



Hon. Mr. R. V. Pharate
Founder President

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Founder Secretary



Dr. H. V. Kamble
Principal

Aptitude tests, Demo interviews"

Speaker: Dr. Hrishikesh Patil

Designation: Director, Kautilya Institute of Management, Wagholi, Pune.

Objective: To give the information about aptitude test and personal interviews to be taken by companies.

Venue: Auditorium, JSPM's Charak College of Pharmacy and Research, Wagholi.

Date: 17/02/2022

No. of Students Enrolled: 90



Dr. H. V. Kamble Felicitating Dr. H. D. Patil Sir



Hon. Mr. R. V. Pharate
Founder President

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Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal

NATIONAL PHARMACY WEEK



Hon. Mr. R. V. Pharate
Founder President

Shri Wagheshwar Gramvikas Pratishthan's
**LOKNETE SHRI DADAPATIL PHARATE COLLEGE OF
PHARMACY**

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Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal

REPORT OF NATIONAL PHARMACY WEEK: 2022-23

Essential Details:

Date and Time of Celebration: **25/09/2022 to 26/09/2022**

Event Co-ordinators: Mr.Vikas Gadadhe

The Indian Pharmaceutical Association (IPA) has been celebrating the National Pharmacy Week every year during the third week of November. The major focus of NPW celebrations is to create awareness amongst the public, other healthcare providers and the authorities, about the NPW theme in specific and about the pharmacy profession and role of the pharmacist in general. The theme selected for this year is: "Pharmacy of World-India".

The Loknete Shri Dadapatil Pharate Patil College Of Pharmacy,Pune is one of the active College registered under SPPU involving in various activities of promoting Pharmacy profession and improving value of Pharmacists in the health care sector. One of its major activities is NPW celebration by conducting various Pharma related competitions for students of B. Pharm And M. Pharm Students.

This year also 3 events were conducted from **25/09/2022 to 26/09/2022** in various for all Streams of Pharmacy student's.

The aim of conducting these events is to motivate the young budding pharmacists to develop their confidence, knowledge, leadership qualities, organizational capacity and make them understand about the importance of the profession thus to excel in the field.



Hon. Mr. R. V. Pharate
Founder President

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A/p-Mandavgan Pharata, Tal-Shirur, Dist-Pune, 412211.

Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal



National Pharmacy Week



Hon. Mr. R. V. Pharate
Founder President

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Founder Secretary



Dr. H. V. Kamble
Principal

GENERAL KNOWLEDGE COMPETATION

Date – 29/01/2023

Venue – Auditorium , Loknete Shri Dadapatil Pharate College Of Pharmacy ,
Mandavgaon Pharata

Number Of Students Participated –All

Loknete Shri Dadapatil Pharate College Of Pharmacy , Mandavgaon Pharata Organised General Knowledge Competition Event of Students. This Program Organized on 29/01/2023. Event was conducted in Auditorium of LSDP College of Pharmacy, Mandavgaon Pharata. This Program was inaugurated by Dr. H.V.Kamble . All Students were Participated for these event. All the Teaching & Non-Teaching Staff was present for this Program. Students Of B Pharmacy and M Pharmacy had Shown their Active Participation in this Event. The Program was Concluded Successfully.



Hon. Mr. R. V. Pharate
Founder President

Shri Wagheshwar Gramvikas Pratishthan's
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Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal

1.	Name of activity	General Knowledge Competetion
2	Date of activity	29-01-2023
3	Time	10AM-5PM
4	Total no students participate	All
5	Occasion of activity	Academic Activity
6	Inauguration by	Mr. Jondhale Yogesh Tanaji
7	Place of activity	LSDPCOP Tal-Shirur Dist Pune
8	Objective	The college celebrated this Program by worshipping the Laboratory instruments, Music Club Equipment and Sports Equipment. We believe that these equipment play an important role in the holistic developments of our students and worshipping them would spread a positive environment for the students to grow



Hon. Mr. R. V. Pharate
Founder President

Shri Wagheshwar Gramvikas Pratishthan's
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Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal



General Knowledge Competition at College on 29/01/2023



Hon. Mr. R. V. Pharate
Founder President

Shri Wagheshwar Gramvikas Pratishthan's
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Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal

SWATCH BHARAT ABHIYAN



Hon. Mr. R. V. Pharate
Founder President

Shri Wagheshwar Gramvikas Pratishthan's
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A/p-Mandavgan Pharata, Tal-Shirur, Dist-Pune, 412211.

Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal

SWATCH BHARAT ABHIYAN

Venue: A/P-Inamgaon, Tal- Shirur, Dist-Pune Date: 26/01/2022 to 31/01/2023 Time of the Event: 08.00 A.M. TO 10.00 AM a) Introduction: Swachh Bharat Abhiyan (SBA) or Swachh Bharat Mission (SBM) is a nation-wide campaign in India for the period 2014 to 2019 that aims to clean up the streets, roads and infrastructure of India's cities, towns, and rural areas.

The objectives of Swachh Bharat include:

- a) Eliminating open defecation through the construction of household-owned and community-owned toilets and establishing an accountable mechanism of monitoring toilet use.
- b) Theme: "Clean India Mission"
- c) Significance: The mission will also contribute to India reaching Sustainable Development Goal 6 (SDG 6), established by the UN in 2015.
- d) Conduction: The NSS Unit of institute has organized the Swatch bharat mission at A/P-Inamgaon, Tal-Shirur, Dist-Pune in association with local Gram Panchayat. They also interacted with the students and helped to create awareness on cleanliness, new alternatives for electricity use, water harvesting and management of waste. This day whole and solely was dedicated for the cleaning purpose. The team work was noticeable students drove a cleanliness programme around the school area, village roads removed dust heaps. roads were cleaned with the help of brooms. The drainage flows were cleared for this they made the large wells, the larger garbage dump were burned out.
- e) Guest Details: Campus Director Shri. Sangram Rajedhavade and Principal Dr. H. V. Satpute were present for the camp.
- f) Students & Faculty response & participation: In totality, 22 NSS students & 02 Faculty were participated.



Hon. Mr. R. V. Pharate
Founder President

Shri Wagheshwar Gramvikas Pratishthan's
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A/p-Mandavgan Pharata, Tal-Shirur, Dist-Pune, 412211.

Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal



SWATCH BHARAT ABHIYAN



Hon. Mr. R. V. Pharate
Founder President

Shri Wagheshwar Gramvikas Pratishthan's
**LOKNETE SHRI DADAPATIL PHARATE COLLEGE OF
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Hon. Mr. R. V. Pharate
Founder President

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NIRMAL VARI



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REPORT OF “NIRMAL VARI”

The NSS Unit of LSDP College of Pharmacy participated in “NIRMAL VARI- July-2022” at Loni Kalbhor Tal: Haveli Dist: Pune organized by Savitribai Phule Pune University National Service Scheme along with Grampanchyat Loni Kalbhor on 9th July 2022 under the able guidance of Dr.H.V.Kamble, Principal of the LSDP college and Shri. Sanram Rajedhavde Director LSDP College Campus. Every year on the occasion of Sant Tukaram Maharaj Palkhi Sohala from Dehu to Pandharpur SPPU NSS organize the “NIRMAL WARI” to spread the message of Cleanliness among the varkaries for the healthiness of nation.

Twenty Five NSS volunteers of Jaywant Shishan Prasarak Mandal's Charak College of Pharmacy & Research College in association with Grampanchyat Loni Kalbhor, Loni Kalbhor participated in the “Nirmal Vari” on a massive scale under the guidance of Prof. Prof. S. A. Waghmare, Student Welfare Officer, Dr. L. V. Sonawane and Prof. M. J. Deshpande NSS Programme Officers. Following work is done on the day of Nirmal Vari at Loni Kalbhor.

1. Organized rally for the awareness of cleanliness under Nirmal vari Swach va swasth Bharat Abhiyan.
2. After rally met Grampanchyat Sarpanch Mrs. Vandana Kalbhor and discussed regarding work distribution, made seven teams of NSS/BSD volunteers, each team was having 10 students with one Team Leader and the teams were appointed in seven different locations (at Bazar Tal, Jai Hind School Ground, Marahti School, Ambarnath, Mahadev Temple, Kharabachi Wadi, Sai Dham) to help and guide varkaries.
3. Our teams worked in two shifts, From Morning 8:00am to 6:00pm with a team of 60 volunteers and in Evening from 6:00pm To Morning 6:00am with a team of 25 volunteers.
4. Our teams helped in following regards: a.Served food for varkaries. b.Instructed them to use Dustbins and Washrooms. c.Cleaned streets and roads by picking up garbage thrown by some varkaries.
5. All NSS/BSD volunteers along with teachers joined this Nirmal vari very actively with great fervour and joy.



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NIRMAL WARI





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4. Patient-centric and Evidence-Based Learning



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Sample Certificate
Project Work (M.Pharm 2022-23)



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Place: Pune

Date: 19/08/2023


Dr. H. V. Kamble (M. pharm. Ph.D.)

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SWGP'S LOKNETE SHRI DADAPATIL PHARATE
COLLEGE OF PHARMACY
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**“EVALUATION OF THE CARDIOPROTECTIVE
EFFECTS OF A RICH FRACTION OF BUTRIN FROM
BUTEA MONOSPERMA FLOWER EXTRACTS IN
LABORATORY ANIMALS”**

Dissertation

Submitted in partial fulfillment of the requirement for the
Award of the degree of

MASTER OF PHARMACY

IN

PHARMACOLOGY

SUBMITTED TO

SAVITRIBAI PHULE PUNE UNIVERSITY



Research Student
Mr. Sagar A. Daitkar
B. Pharmacy

Research Guide
Dr. A. R. Nikam
M. Pharm. Ph. D



*Reviewed
LSP
Dr. Grijeshwar
25.08.2023*

Shree Wagheshwar Gramvikas Pratishthan's
LOKNETE SHRI DADAPATIL PHARATE COLLEGE OF PHARMACY

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2022-2023



Hon. Mr. R. V. Pharate
Founder President

Shri Wagheshwar Gramvikas Pratishthan's
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I certify that

- The work contained in the thesis is original and has been done by myself under the general supervision of my supervisor.
- I have followed the guidelines provided by the Institute in writing the thesis.
- I have confirmed to the norms and guidelines given in the Ethical Code of Conduct of the Institute.
- Whenever I have used materials (data, theoretical analysis, and text) from other sources, I have given due credit to them by citing them in the text of the thesis and giving their details in the references.
- Whenever I have quoted written materials from other sources, I have put them under quotation marks and given due credit to the sources by citing them and giving required details in the references.
- The thesis has been subjected to plagiarism check using a professional software and found to be within the limits specified by the University.
- The work has not been submitted to any other Institute for any degree or diploma.

Place: Mandavgan Pharata

Date: 21/08/2023

Signature: Ghongade

Name of candidate: Ghongade Varsha Babasaheb



Hon. Mr. R. V. Pharate
Founder President

Shri Wagheshwar Gramvikas Pratishthan's
**LOKNETE SHRI DADAPATIL PHARATE COLLEGE OF
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Shri Wagheshwar Gramvikas Pratishthan's
**LOKNETE SHRI DADAPATIL PHARATE COLLEGE OF
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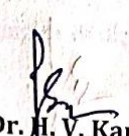
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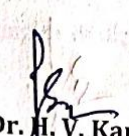
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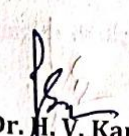
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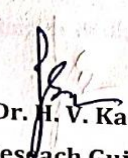
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Dr. A. R. Nikam (M. pharm. Ph.D.)

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Dr. Hemant Kamble

Principal,

Loknete Shri Dadapatil Pharate College of Pharmacy,
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CERTIFICATE

This is to certify that the research work embodied in this thesis entitled
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Approach**” was carried out by **Mr. Mahesh Pramod Sathe** at Loknete
Shri Dadapatil Pharate College of Pharmacy, for partial fulfillment of M.
Pharm degree to be awarded by Savitribai Phule Pune University. The
research work has been carried out under the guidance **Dr. L. V.
Sonawane**. The thesis is now ready for examination.

Date: 19/08/2023

Place: PUNE



Dr. Hemant Kamble

Principal
SWGP'S LOKNETE SHRI DADAPATIL PHARATE
COLLEGE OF PHARMACY
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(Signature)



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Principal,

Loknete Shri Dadapatil Pharate College of Pharmacy,
Mandavgan Pharata, Pune-412211.

CERTIFICATE

This is to certify that the research work embodied in this thesis entitled
“**Analytical Method Development and Validation for Estimation of
Teneligliptin in Bulk and Pharmaceutical Formulation by QbD
Approach**” was carried out by **Mr. Mahesh Pramod Sathe** at Loknete
Shri Dadapatil Pharate College of Pharmacy, for partial fulfillment of M.
Pharm degree to be awarded by Savitribai Phule Pune University. The
research work has been carried out under the guidance **Dr. L. V.
Sonawane**. The thesis is now ready for examination.

Date: 19/08/2023

Place: PUNE



Dr. Hemant Kamble

Principal

SWGP'S LOKNETE SHRI DADAPATIL PHARATE
COLLEGE OF PHARMACY
Mandavgan Pharata, Tal. Shirur, Dist. Pune 412211

(Signature)



Hon. Mr. R. V. Pharate
Founder President

Shri Wagheshwar Gramvikas Pratishthan's
**LOKNETE SHRI DADAPATIL PHARATE COLLEGE OF
PHARMACY**

A/p-Mandavgan Pharata, Tal-Shirur, Dist-Pune, 412211.

Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal

Prof. P.D.Pawar

Assistant Professor,

Shri Wagheshwar Gramvikas Pratishthan's

Loknete Shri Dadapatil Pharate College Of Pharmacy

Tal: Shirur, Dist: Pune-412211

CERTIFICATE

This is to certify that the research work embodied in this thesis entitled
**"RP-HPLC Analytical Method Development and Validation for
Simultaneous Estimation of Enalapril Maleate and
Hydrochlorothiazide in Tablet"** was carried out by **Mr. Omraj
Rathod** at SWGP's Loknete Shri Dadapatil Pharate College of Pharmacy
for partial fulfillment of M. Pharm (Pharmaceutical Chemistry) degree
to be awarded by Savitribai Phule Pune University. The research work
has been carried out under my supervision and to my satisfaction.

The thesis is now ready for examination.

Date: 19/08/23

Place: Pune

Pawar P.D.

Prof. P.D.Pawar

**Research Guide
PRINCIPAL**

SWGP'S LOKNETE SHRI DADAPATIL PHARATE
COLLEGE OF PHARMACY
Mandavgan Pharata, Tal. Shirur, Dist. Pune 412211



Seal of College



Hon. Mr. R. V. Pharate
Founder President

Shri Wagheshwar Gramvikas Pratishthan's
**LOKNETE SHRI DADAPATIL PHARATE COLLEGE OF
PHARMACY**

A/p-Mandavgan Pharata, Tal-Shirur, Dist-Pune, 412211.

Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal

Prof. P.D.Pawar

Assistant Professor,

Shri Wagheshwar Gramvikas Pratishthan's

Loknete Shri Dadapatil Pharate College Of Pharmacy

Tal: Shirur, Dist: Pune-412211

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Date: 19/08/23

Place: Pune

Pawar P.D.

Prof. P.D.Pawar

**Research Guide
PRINCIPAL**

SWGP'S LOKNETE SHRI DADAPATIL PHARATE
COLLEGE OF PHARMACY
Mandavgan Pharata, Tal. Shirur, Dist. Pune 412211



Seal of College



Hon. Mr. R. V. Pharate
Founder President

Shri Wagheshwar Gramvikas Pratishthan's
**LOKNETE SHRI DADAPATIL PHARATE COLLEGE OF
PHARMACY**

A/p-Mandavgan Pharata, Tal-Shirur, Dist-Pune, 412211.

Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal

Prof. P.D.Pawar

Assistant Professor,

Shri Wagheshwar Gramvikas Pratishthan's

Loknete Shri Dadapatil Pharate College Of Pharmacy

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Date: 19/08/23

Place: Pune

Pawar P.D.

Prof. P.D.Pawar

**Research Guide
PRINCIPAL**

SWGP'S LOKNETE SHRI DADAPATIL PHARATE
COLLEGE OF PHARMACY
Mandavgan Pharata, Tal. Shirur, Dist. Pune 412211





Hon. Mr. R. V. Pharate
Founder President

Shri Wagheshwar Gramvikas Pratishthan's
**LOKNETE SHRI DADAPATIL PHARATE COLLEGE OF
PHARMACY**

A/p-Mandavgan Pharata, Tal-Shirur, Dist-Pune, 412211.

Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal

**RP-HPLC Analytical Method Development and
Validation for Simultaneous Estimation of Enalapril
Maleate and Hydrochlorothiazide in Tablet**

Dissertation

Submitted in partial fulfillment of the requirement for the
Award of the degree of

MASTER OF PHARMACY

IN

PHARMACEUTICAL CHEMISTRY

SUBMITTED TO

SAVITRIBAI PHULE PUNE UNIVERSITY



Research Guide

Prof. P. D. Pawar
M. Pharm

Research Student

Mr. Omraj Raju Rathod
B. Pharmacy



DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

Shri Wagheshwar Gramvikas Pratishthan's

LOKNETE SHRI DADAPATIL PHARATE COLLEGE OF PHARMACY

Tal: Shirur, Dist: Pune-412211

2022-2023



Hon. Mr. R. V. Pharate
Founder President

Shri Wagheshwar Gramvikas Pratishthan's
**LOKNETE SHRI DADAPATIL PHARATE COLLEGE OF
PHARMACY**

A/p-Mandavgan Pharata, Tal-Shirur, Dist-Pune, 412211.

Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal

DECLARATION

I hereby declare that the work described in this thesis,
"Formulation Development And Evaluation Of
Transdermal Drug Delivery System Containing
Nateglinide" which is being submitted by me in partial
fulfillment for the award of Master of Pharmacy (M.Pharm) in the Dept. of
Pharmaceutics to the Loknete Shri Dadapatil Pharate college of
Pharmacy, Mandavgan Pharata, is the result of investigations carried out by me under
the Guidance of Dr. A. B. Lokhande. The work is original
and has not been submitted for any Degree/Diploma of this or any other university.

I certify that

- The work contained in the thesis is original and has been done by myself under the general supervision of my supervisor.
- I have followed the guidelines provided by the Institute in writing the thesis.
- I have conformed to the norms and guidelines given in the Ethical Code of Conduct of the Institute.
- Whenever I have used materials (data, theoretical analysis, and text) from other sources, I have given due credit to them by citing them in the text of the thesis and giving their details in the references.
- Whenever I have quoted written materials from other sources, I have put them under quotation marks and given due credit to the sources by citing them and giving required details in the references.
- The thesis has been subjected to plagiarism check using a professional software and found to be within the limits specified by the University.
- The work has not been submitted to any other Institute for any degree or diploma.

Place: Mandavgan Pharata

Date: 19/08/2023

O. M. Lakhota

Signature

Mr. O. M. Lakhota



Hon. Mr. R. V. Pharate
Founder President

Shri Wagheshwar Gramvikas Pratishthan's
**LOKNETE SHRI DADAPATIL PHARATE COLLEGE OF
PHARMACY**

A/p-Mandavgan Pharata, Tal-Shirur, Dist-Pune, 412211.

Hon. Mrs. M. R. Pharate
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Place: Mandavgan Pharata

Date: 19/08/2023

O. M. Lakholiya

Signature

Mr. O. M. Lakholiya



Hon. Mr. R. V. Pharate
Founder President

Shri Wagheshwar Gramvikas Pratishthan's
**LOKNETE SHRI DADAPATIL PHARATE COLLEGE OF
PHARMACY**

A/p-Mandavgan Pharata, Tal-Shirur, Dist-Pune, 412211.

Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal

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- The work has not been submitted to any other Institute for any degree or diploma.

Place: Mandavgan Pharata

Date: 19/08/2023

O. M. Lakhoteiya

Signature

Mr. O. M. Lakhoteiya



Hon. Mr. R. V. Pharate
Founder President

Shri Wagheshwar Gramvikas Pratishthan's
**LOKNETE SHRI DADAPATIL PHARATE COLLEGE OF
PHARMACY**

A/p-Mandavgan Pharata, Tal-Shirur, Dist-Pune, 412211.

Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal

Dr. Madanrao Nanaso Man

Associate Professor,

Loknete Shri Dadapatil Pharate College of Pharmacy,

Mandavgan Pharata, Pune-412211.

CERTIFICATE

This is to certify that the research work embodied in this thesis entitled "**Formulation development and evaluation of Self emulsifying Drug Delivery System of Zidovudine**" was carried out by **Mr. Jagtap Navnath Sunil** at Loknete Shri Dadapatil Pharate College of Pharmacy for partial fulfillment of M. Pharm degree to be awarded by Savitribai Phule Pune University. The research work has been carried out under my supervision and to my satisfaction.

The thesis is now ready for examination.

Date:

Place:



Seal of College

Mane

Prof. Madanrao Nanaso Mane.

Research Guide



Hon. Mr. R. V. Pharate
Founder President

Shri Wagheshwar Gramvikas Pratishthan's
**LOKNETE SHRI DADAPATIL PHARATE COLLEGE OF
PHARMACY**

A/p-Mandavgan Pharata, Tal-Shirur, Dist-Pune, 412211.

Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal

Dr. Hemant Kamble

Principal,

Loknete Shri Dadapatil Pharate College of Pharmacy,
Mandavgan Pharata, Pune-412211.

CERTIFICATE

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Date: 19/08/2023

Place: Pune



Seal of College

Dr. Hemant Kamble

Principal

SWGP'S LOKNETE SHRI DADAPATIL PHARATE
COLLEGE OF PHARMACY
Mandavgan Pharata, Tal. Shirur, Dist. Pune 412211



Hon. Mr. R. V. Pharate
Founder President

Shri Wagheshwar Gramvikas Pratishthan's
**LOKNETE SHRI DADAPATIL PHARATE COLLEGE OF
PHARMACY**

A/p-Mandavgan Pharata, Tal-Shirur, Dist-Pune, 412211.

Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal

Formulation development and evaluation of Self
emulsifying Drug Delivery System of Zidovudine

Dissertation
Submitted in partial fulfillment of the requirement for the
Award of the degree of

MASTER OF PHARMACY

IN

PHARMACEUTICS

SUBMITTED TO

SAVITRIBAI PHULE PUNE UNIVERSITY



Research Guide
Prof. Madanrao Nanaso Mane
M. Pharm.

Research Student
Mr. Jagtap Navnath Sunil
B. Pharmacy



Shri Wagheshwar Gramvikas Pratishthan's
LOKNETE SHRI DADAPATIL PHARATE COLLEGE OF PHARMACY

Mandavgan Pharata, Tal-Shirur, Dist-Pune, 412211

2022-23



Hon. Mr. R. V. Pharate
Founder President

Shri Wagheshwar Gramvikas Pratishthan's
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PHARMACY**

A/p-Mandavgan Pharata, Tal-Shirur, Dist-Pune, 412211.

Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal

Sample Certificate
Project Work
(B Pharm 2022-23)



Hon. Mr. R. V. Pharate
Founder President

Shri Wagheshwar Gramvikas Pratishthan's
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Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
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Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal

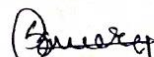


Statement by Candidate

I, the undersigned wish to state that the work presented in the current dissertation titled, "**Organization And Policies Of Hospital Pharmacy**" is my own contribution to knowledge & research carried out under the guidance of **Prof. Phule S.A.**, Loknete Shri Dadapatil Pharate College of Pharmacy, Mandavgan Pharata . This work has not been submitted for any other degree to any university. References of prior research work have been cited and clearly indicated in the References.

Date: 28/11/2022

Place: Mandavgan Pharata


Mr. More Shubham Shivaji
(Final Year B. Pharm)



Hon. Mr. R. V. Pharate
Founder President

Shri Wagheshwar Gramvikas Pratishthan's
**LOKNETE SHRI DADAPATIL PHARATE COLLEGE OF
PHARMACY**

A/p-Mandavgan Pharata, Tal-Shirur, Dist-Pune, 412211.

Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal

Shri Wagheshwar Gramvikas Pratishthan's
Loknete Shri Dadapatil Pharate College of Pharmacy
A/P Mandavgan Pharata, Tal- Shirur Dist-Pune. 412211



Certificate

This is to certify that investigations incorporated in this thesis titled,
"Organization And Policies Of Hospital Pharmacy" submitted by
Mr. More Shubham Shivaji for the partial fulfillment of requirements of
degree in **Bachelor Of Pharmacy** in the faculty of Practice School,
University of Pune were carried out in Loknete Shri Dadapatil Pharate
College of Pharmacy, affiliated to Savitribai Phule Pune University,
under the guidance and supervision of **Prof. Phule S.A. (M. Pharm.)**
Professor,
Loknete Shri Dadapatil Pharate College of Pharmacy.

Date: 28/11/2022

Place: Mandavgan Pharata

Dr. H. V. Kamble

Principal (Pharmacy)

Loknete Shree Dadapatil Pharate College of Pharmacy
A/P Mandavgan Pharata, Tal-Shirur. Dist-Pune. 412211



Hon. Mr. R. V. Pharate
Founder President

Shri Wagheshwar Gramvikas Pratishthan's
**LOKNETE SHRI DADAPATIL PHARATE COLLEGE OF
PHARMACY**

A/p-Mandavgan Pharata, Tal-Shirur, Dist-Pune, 412211.

Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal

Shri Wagheshwar Gramvikas Pratishthan's
Loknete Shri Dadapatil Pharate College of Pharmacy
A/P Mandavgan Pharata, Tal – Shirur, Dist – Pune. 412211



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More Shubham Shivaji for the partial fulfillment of requirements of
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University of
Pune. The research work was carried out in Loknete Shri Dadapatil
Pharate College Of Pharmacy, affiliated to Savitribai Phule Pune
University, under the guidance and supervision.
The thesis is now ready for examination. I hereby forward the same.

Date: 28.11.2022

Place: Mandavgan Pharata

Guide

Prof. Phule S.A.

(M. Pharm Pharmaceutical Chemistry)



Hon. Mr. R. V. Pharate
Founder President

Shri Wagheshwar Gramvikas Pratishthan's
**LOKNETE SHRI DADAPATIL PHARATE COLLEGE OF
PHARMACY**

A/p-Mandavgan Pharata, Tal-Shirur, Dist-Pune, 412211.

Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal



Hon. Mr. R. V. Pharate
Founder President

Shri Wagheshwar Gramvikas Pratishthan's
**LOKNETE SHRI DADAPATIL PHARATE COLLEGE OF
PHARMACY**

A/p-Mandavgan Pharata, Tal-Shirur, Dist-Pune, 412211.

Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal

Shri Wagheshwar Gramvikas Pratishthan's
Loknete Shree Dadapatil Pharate College of Pharmacy,
Mandavgan Pharata. Tal-Shirur. Dist-Pune



Organization And Policies Of Hospital Pharmacy

A dissertation submitted to the University of Pune



For the partial fulfillment for the degree in

Bachelor of Pharmacy

Academic Year

(2022-2023)

Submitted by,

Mr. More Shubham Shivaji

Under the Supervision of

Prof. Phule S.A.

(M. Pharm Pharmaceutical Chemistry)



Hon. Mr. R. V. Pharate
Founder President

Shri Wagheshwar Gramvikas Pratishthan's
**LOKNETE SHRI DADAPATIL PHARATE COLLEGE OF
PHARMACY**

A/p-Mandavgan Pharata, Tal-Shirur, Dist-Pune, 412211.

Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal



Statement by Candidate

I, the undersigned wish to state that the work presented in the current
dissertation titled, "**TARGETED DRUG DELIVERY SYSTEM**"

is my own contribution to knowledge & research carried out under
the guidance of **Prof.A.k.MahajanLoknete Shri Dadapatil Pharate
College of Pharmacy, MandavganPharata**. This work has not been
submitted for any other degree to any university. References of prior
research work have been cited and clearly indicated in the References.

Date:

Place: MandavganPharata

Mr. Bansude Abhishek V.
Shri WagheshwarGramvikasPratishthan's
**Loknete Shri Dadapatil Pharate College of
Pharmacy**
A/P MandavganPharata, Tal – Shirur, Dist – Pune. 412211



Hon. Mr. R. V. Pharate
Founder President

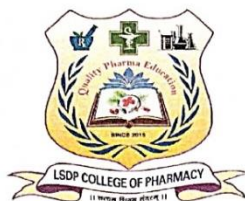
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**LOKNETE SHRI DADAPATIL PHARATE COLLEGE OF
PHARMACY**

A/p-Mandavgan Pharata, Tal-Shirur, Dist-Pune, 412211.

Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal



Principle Certificate

This is to certify that investigations incorporated in this thesis titled,

"TARGETED DRUG DELIVERY SYSTEM"

submitted by **Mr. Bansude A. V.** for the partial fulfillment of requirements of degree in Bachelor Of Pharmacy (VII) in the faculty of Pharmaceutical Sciences, University of Pune. The research work was carried out in **Loknete Shri Dadapatil Pharate College Of Pharmacy** Pune, affiliated to Savitribai Phule Pune University, under the guidance and supervision of **Prof. A.M. Dube** (M. Pharm.) **Loknete Shri Dadapatil Pharate College of Pharmacy.**

Date:

Place: MandavganPharata


Dr. H. V. Kamble

LOKNETE DADAPATIL PHARATE COLLEGE OF PHARMACY
MANDAVGAN PHARATA, TAL. SHIRUR, DIST. PUNE, 412211

**Loknete Shri Dadapatil Pharate College of
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A/P MandavganPharata, Tal – Shirur, Dist – Pune. 412211



Hon. Mr. R. V. Pharate
Founder President

Shri Wagheshwar Gramvikas Pratishthan's
**LOKNETE SHRI DADAPATIL PHARATE COLLEGE OF
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Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal



Certificate

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"TARGETED DRUG DELIVERY SYSTEM"
submitted by **Mr. Bansude A. V.** for the partial fulfillment of requirements
of degree in **Bachelor Of Pharmacy (VII)** in the faculty of a pharmaceutical
science, University of Pune. The research work carried out in **Loknete Shri Dadapatil
Pharate College Of Pharmacy**, affiliated to Savitribai Phule Pune University, under the
guidance and supervision. The thesis is ready for examination. I hereby forward the
same.

Date:

Place: MandavganPharata

Guide
Prof. A. K. Mahajan
(M. Pharm.)

Shri Wagheshwar Gramvikas Pratishthan's
**Loknete Shri Dadapatil Pharate College of
Pharmacy**
A/P MandavganPharata, Tal – Shirur, Dist – Pune. 412211 Principal



Hon. Mr. R. V. Pharate
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Shri Wagheshwar Gramvikas Pratishthan's
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Dr. H. V. Kamble
Principal

TARGETED DRUG DELIVERY SYSTEM

A dissertation submitted to the University of Pune



For the partial fulfillment for the degree in

BACHELOR OF PHARMACY

Academic Year-(2022-2023)

Submitted by,

Mr. Bansude Abhishek V.

UNDER THE SUPERVISION OF

Dr. H. V. Kamble

(M. Pharm., Ph.D.)

Professor and Principal



Shri Wagheshwar Gramvikas Pratishthan's
**Loknete Shri Dadapatil Pharate College of
Pharmacy**

A/P Mandavgan Pharata, Tal – Shirur, Dist – Pune. 412211

(2022-2023)



Hon. Mr. R. V. Pharate
Founder President

Shri Wagheshwar Gramvikas Pratishthan's
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Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal



Statement by Candidate

I, the undersigned wish to state that the work presented in the current dissertation titled, "Herbal Trees" preparation, evaluation and application" is my own contribution to knowledge & research carried out under the guidance of Prof. Mahajan A.K., Loknete Shri Dadapatil Pharate College of Pharmacy, Mandavgan Pharata : This work has not been submitted for any other degree to any university. References of prior research work have been cited and clearly indicated in the References.

Date: 25/11/2022

Place: Mandavgan Pharata

Miss. Bhalekar Rutuja Chandrakant

Shri Wagheshwar Gramvikas Pratishthan's
Loknete Shri Dadapatil Pharate College of Pharmacy
A/P Mandavgan Pharata, Tal-Shirur, Dist-Pune. 412211



Hon. Mr. R. V. Pharate
Founder President

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Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal



Certificate

This is to certify that investigations incorporated in this thesis titled, "Herbal Trees" Preparation, Evaluation & Application" submitted by **Miss Bhalekar Rutuja Chandrakant** for the partial fulfillment of requirements of degree in Bachelor of Pharmacy in the faculty of Pharmaceutical Sciences, University of Pune were carried out in "Loknete Shri Dadapatil Pharate College of Pharmacy under the guidance and supervision of Prof. Akshay M Dube (M. Pharm.) Loknete Shri Dadapatil Pharate College of Pharmacy.

Date: 25/11/2022

Place: Mandavgan Pharata


Dr. H. V. Kamble

Principal
PRINCIPAL

Shri Wagheshwar Gramvikas Pratishthan's
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Loknete Shri Dadapatil Pharate College of Pharmacy

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Principal



Certificate

This is to certify that investigations incorporated in this thesis titled, "Herbal Trees" submitted by **Miss Bhalekar Rutuja Chandrakant** for the partial fulfillment of requirements of degree in Bachelor of Pharmacy in the faculty of Pharmaceutical Sciences, University of Pune. The research work was carried out in "Loknete Shri Dadapatil Pharate College of Pharmacy", under my guidance and supervision. The thesis is now ready for examination. I hereby forward the same.

Date: 25/11/2022

Place: Mandavgan Pharata

Guide

Prof. Mahajan A.K.

(B & M. Pharm.)

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Verified
25/11/2022

Herbal Trees

A dissertation submitted to the University of Pune



For the partial fulfillment for the degree in

Bachelor Of Pharmacy

Submitted by,

Miss. Bhalekar Rutuja Chandrakant

B Pharmcy

Under the guidance of

Prof : Mahajan A.K

(M. Pharm.)



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Miss. Bandal Jayashree Satyawar

B Pharm Final Year

LSDP COP, Mandavgan Pharata, Shirur, Pune.

412211

Declaration

It gives me great pleasure and satisfaction to declare that the seminar on recent trends in pharmaceutical sciences entitled **"REVIEW ON IDENTIFICATION AUTHENTICATION AND EXTRACTION OF HERB"** was reviewed and submitted in partial fulfillment of the requirements for **Degree of Bachelor of Pharmacy** in the faculty of Medicine in Savitribai Phule Pune University, Pune under guidance and supervision of **Prof. A. K. Mahajan** and I hereby declare that this report is now ready for examination and evaluation.

Date: 26/11/2022

Place: Mandavgan Pharata

Miss.

Bandal Jayashree Satyawar

J.S. Bandal.

Prof.

A. K. Mahajan.

Mahajan A

26/11/2022



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Guide

Prof. A. K. Mahajan

M. Pharm

Department of Pharmacognosy

LSDP COP

Certificate

This is to certify that the seminar on recent trends in pharmaceutical sciences entitled **"REVIEW ON IDENTIFICATION AUTHENTICATION AND EXTRACTION OF HERB"** presented and submitted by **Prof. A. K. Mahajan** in the Department of Pharmacognosy, LSDP COP under my supervision and guidance.

The report was presented and submitted in partial fulfillment of the requirements for the seventh semester of **Degree of Bachelor of Pharmacy** in the faculty of Medicine of Savitribai Phule Pune University, Pune.

This report is now ready for examination and evaluation.

Date: 26/11/2022
Place: Mandavgan Pharata

Prof.

A. K. Mahajan



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Dr. H. V. Kamble
Principal



Principal
Dr. H.V.Kamble
M. Pharm, Ph.D.
Principal
Loknete Shri Dadapatil Pharate college of
pharmacy, Mandavgan Pharata, Shirur, 412211

Certificate

This is to certify that the Project Report on recent trends in pharmaceutical sciences entitled **"REVIEW ON IDENTIFICATION AUTHENTICATION AND EXTRACTION OF HERB"** was presented and submitted by **Miss. BANDAL JAYASHREE SATYAWAN** in final Year B pharm, LSDP COP under my supervision and guidance.

The report was presented and submitted in partial fulfillment of the requirements for Seventh semester of **Degree of Bachelor of Pharmacy** in the faculty of Medicine of Savitribai Phule Pune University, Pune.

This report is now ready for examination and evaluation.

Date: 26-11-2022

Place: Mandavgan Pharata

Dr. H.V. Kamble

Principal

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**AN UPDATED REVIEW ON IDENTIFICATION AUTHENTICATION
AND EXTRACTION OF HERB**

PROJECT SUBMITTED TO



Bachelor of pharmacy
IN SAVITRIBAI PHULE PUNE UNIVERSITY PUNE.

Submitted by,
Miss. Jayashree Satyawar Bandal
(Final Y. B. Pharmacy)

Under the guidance of
Prof. Mr. A. K. Mahajan
(M. Pharm)



Semester - VII

Shri Wagheshwar Gramvikas Pratishthan's
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(2022-2023)



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BLOOD DONATION CAMP



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Founder President

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Principal

REPORT OF BLOOD DONATION CAMP

Venue: LSDP College campus. Date: 28th March 2023, Tuesday Time of the Event: 07.00 A.M. TO 11.00 PM

a) Introduction: So on the occasion of Occasion of Birthday of our Hon. Shri. Rajiv pharate patil Wagheshwar Campus organized blood donation camp in collaboration with OM Blood Bank, Mangalwar Peth, Pune. Donated blood is used for a wide range of circumstances that can potentially affect anyone, which is also a main reason people donate. Patients undergoing treatment for injuries suffered during an accident often rely on donated blood to save their lives.

b) Theme: Occasion of Birthday of our Hon. Shri. Rajiv Pharate Patil . (Founder President of Wagheshwar gramvikas pratisthan group.

c) Significance: It serves to raise awareness of the need for blood.

d) Conduction: Campus Director Shri. Sangram Rajedhavde inaugurated the program. At this time the Mrs. Mrunal Pharate (Founder Secretary of Wagheshwar gramvikas pratisthan group) and

Dr. Shelke nitin were also present. A total of 98 students donated blood from this camp. After donating blood, tea and snacks were also provided to the students.

e) Guest Details: Campus Director Shri. Sangram Rajedhavde were present for the camp.

f) Students & Faculty response & participation: In totality, 98 students donated blood.



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Founder President

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Dr. H. V. Kamble
Principal

1.	Name of activity	BLOOD DONATION ACTIVITY
2	Date of activity	28-03-2023
3	Time	7am-11am
4	Total no students participate	All
5	Occasion of activity	Academic Activity
6	Inauguration by	Dr. Amolkumar Bhimrao Lokhande
7	Place of activity	LSDPCOP Tal-Shirur Dist Pune
8	Objective	The college celebrated this Program by worshipping the developments of our students and worshipping them would spread a positive environment for the students to grow



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HEALTH CHECKUP CAMP



Hon. Mr. R. V. Pharate
Founder President

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Dr. H. V. Kamble
Principal

REPORT OF HEALTH CHECKUP CAMP

Venue: A/P-Pimpalsuti, Tal- Shirur, Dist-Pune Date: 28/01/2023 Time of the Event: 09.00 A.M. TO 5.00 PM

a) Introduction: These camps also ensure provision of timely referral services to the patients for further or specialized care. The aim of the NSS special camp is to educate the people and empower them. Free medical camps are set up with a sacred aim to bring awareness amongst the deprived population of the country who have no access to basic healthcare services or knowledge about the diseases they are suffering from. So on the occasion of National Service Scheme.

b) Theme: Health is a state of complete physical, mental and social well-being.

c) Significance: Comprehensive Care' for the Health & Well-being of all.

d) Conduction: The NSS Unit of institute has organized the health check-up camp at A/P-Inamgaon, Tal- Shirur ,Dist-Pune and High School in association with local Govt. Hospital & Gram Panchayat. The peoples of the village were subjected to routine health check-up and medicines were distributed among the people in the health check-up camp. A total of 275-300 patients got the benefits of the free camp. The free health checkup include blood pressure, hemoglobin, blood group thyroid level, calcium level sugar level in the body and weight which was totally free and the villager has taken the maximum benefit of the health camp. The patients above 40 years were screened for Diabetes, Hypertension and cardiovascular diseases using ECG. They were given treatment on spot with the help of specialists from General Medicine.

e) Guest Details: Campus Director Shri. Sangram Rajedhavde and Principal Dr.H.V.Kamble were present for the camp.

f) Students & Faculty response & participation: In totality, 25 NSS students & 02 Faculty were participated.

g) Outcome: Getting the right type of health check-up is important and while considering it, certain factors like age, lifestyle, family history, and risks should be taken into account. Regular health examinations and tests help detect problems before they start. Opting for a right health check-up, screenings, and treatments means one is taking steps to help one live longer and healthier life.



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Health Checkup Camp



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WORLD AIDS DAY



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Principal

WORLD AIDS DAY

World AIDS Day, was celebrated on 1 December every year, is an international day. December 1 marks the 34th anniversary of World AIDS Day. The objective of the event was to create awareness about AIDS. "Know Your Status" is the theme for this year. In a dignified way World AIDS Day has been celebrated at LSDP College of Pharmacy organized by the NSS unit of the College. The programmed started at 07:00 am. With the inaugural speech of Dr. Dhambor B.R, who stated the importance of this celebration and observation of this day. Chief Guest Dr. H.V.Kamble , Principal LSDP College of Pharmacy addressed the students and gave a very relevant speech on AIDS, HIV and causes of them, symptoms and ways to cure them. His speech included various ways how a youth can protect the society through awareness and prevention. The positive sign was the students' including the NSS Volunteers concentration and eagerness towards the problems caused by AIDS. To stay safe from this deadly disease. All faculties were present on this event and participate in Rally. This event was organized by Prof. Monali Bhalerao.



WORLD AIDS DAY 1



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Principal

REPORT OF AIDS Day

1.	Name of activity	AIDS Day
2	Date of activity	01-12-2022
3	Time	7am-2 pm
4	Total no students participate	All
5	Occasion of activity	Academic Activity
6	Inauguration by	Mrs. Bhalerao Monali Ramchandra
7	Place of activity	LSDPCOP Tal-Shirur Dist Pune
8	Objective	The developments & Awareness of our students and worshipping them would spread a positive environment for the students to grow



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5. LEARNING IN THE HUMANITIES



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Principal

Human Values and Professional Ethics



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Founder President

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Founder Secretary



Dr. H. V. Kamble
Principal

- World Yoga Day
- World AIDS Day
- World Diabetes Day
- World Cancer Day
- World Hepatitis Day



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REPORT OF INTERNATIONAL YOGA DAY

1. Yoga is an invaluable gift of India's ancient tradition. It embodies unity of mind and body; thought and action; restraint and fulfillment; harmony between man and nature; a holistic approach to health and well-being. It is not about exercise but to discover the sense of oneness with yourself, the world and the nature. By changing our lifestyle and creating consciousness, it can help in well-being.
2. The International Yoga day was celebrated on Friday, 21/06/2022 in auditorium all at 09.00 am.
3. All teaching, non-teaching staff and 60 students attended the session on Yogasana.
4. International Yoga day started with Yoga Prayer and yoga common protocol was followed in session.
5. Ms. S.S. Darandale demonstrated different Yogasana positions and described the benefits of each of the asanas covered in the session.
6. Dr. H.V.Kamble, Principal, highlighted the importance of incorporating Yogasana practice in day to day life instead of celebrating it just once in a year. He emphasized on prevention of disease as there is no permanent cure to diseases like diabetes, hypertension etc. He also informed the students that it is their prime responsibility as Pharmacist to spread awareness in society about practicing yoga for a healthy life.
7. International Yoga day celebration concluded with National Anthem.



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Yoga Day



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WORLD AIDS DAY

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WORLD AIDS DAY



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World Diabetes Day

World Diabetes Day was celebrated on 14th November 2022. The theme for World Diabetes Day 2022- 2023 is "The Family and Diabetes". The objective of the event was to raise awareness of the impact that diabetes has on the family and support network of those affected. Also promote the role of the family in the management, care, prevention and education of diabetes. Ms. Holkar D.H and Ms. Kshirsagar S.B was Organize the health checkup for the B. Pharm students. Doctor given the information about diabetes and its prevention. He said that the regular healthy diet help to prevent diabetes. Dr. H.V.Kamble, Principal, interacted with the students highlighted the importance of celebrating days like Diabetes Day to create awareness about healthcare issues in the society. On the occasion of this day all should create awareness about causes, prevention and treatment of hepatitis amongst villagers, neighbors and society.



WORLD DIABETES DAY



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Principal

WORLD CANCER DAY

World Cancer Day was celebrated on 4th of February 2023 in Loknete Shri Dadapatil Pharate College of Pharmacy A/p-Mandavgan Pharata, Tal-Shirur, Dist-Pune. World Cancer Day is the one singular initiative under which the entire world can unite together in the fight against the global cancer epidemic. The theme for 2023 is "I am and I will". The objective of the event was Support cancer patients and survivors with the physical and emotional impacts of cancer even after treatment ends. Other objective is to prevent the cancer and give awareness to society about cancer. Prof. V. B. Khatal was showed videos for the causes and treatment of cancer disease. Principal Dr. H.V.Kamble, interacted with the students highlighted the importance of celebrating days like cancer Day to create awareness about healthcare issues in the society. He discussed the following points about how to prevent the cancer from society

- Call on government leaders to commit adequate resources to reduce cancer deaths and provide a better quality of life for patients and survivors.
- Educate themselves and others about the link between certain lifestyle behaviors – including smoking, poor diet, and lack of physical activity – and cancer risk.
- Dispel rumors and myths that lead to stigma and discrimination against people with cancer in some communities.
- Encourage schools and workplaces to implement nutrition, physical activity, and no smoking policies that help people adopt healthy habits for life.



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WORLD CANCER DAY



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WORLD HEPATITIS DAY

World Hepatitis Day was celebrated on 28th of July 2022. The objective of the event was to create awareness about prevention and treatment of hepatitis. It is the world level awareness program launched as a global public health campaign by the World Health Organization to make the world a hepatitis free world. Ms. A.A. Najan was showed videos for the causes and treatment of Hepatitis disease. What type of precaution should be taken for this disease was included in video .Dr.H.V.Kamble, Principal, interacted with the students highlighted the importance of celebrating days like Hepatitis Day to create awareness about healthcare issues in the society. The students visited, Vasantarao pharate patil arts and commers college, and interacted with the BA, Bcom students and presented detailed information about prevention and treatment of hepatitis. The students also visited Mandavgan pharata village and created awareness about causes, prevention and treatment of hepatitis amongst villagers.



WORLD HEPATITIS DAY



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PROJECT BASED LEARNING



Hon. Mr. R. V. Pharate
Founder President

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Principal

Students carry out Research Projects enhancing problem identification and solving skill of the students.





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Dr. H. V. Kamble
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Name of the PhD/DM/M.Ch/P G scholar	Name of the Department	Name of the guide	Title of the thesis
Bhadale Prashant Sunil	Pharmaceutics	Dr. A. B. Lokhande	Formulation development and evaluation of Nanogel containing Luliconazole.
Ghogare Rohit Bhalchandra			Formulation development and evaluation of Lamivudine Nanoemulsion
Lakhotiya Omkar Manojkumar			Formulation development and evaluation of Transdermal Drug Delivery System containing Nateglinide
Khillare Samta Subhashrao		Dr. V. M. Satpute	Formulation Development and Analytical Method Development of Dapsone and Ethoxzolamide bilayer tablet used in treatment of Severe burn.
Pinjari Mustakeem Farukh			Formulation development and evaluation of Immediate releasing Tablet containing Nateglinide.
Shantanu Sanjay Shevkar			Formulation development and evaluation of Mouth Dissolving Tablet of Chlorphenamine
Thorat Nitin Anil			Formulation development and evaluation of ketoconazole Topical patches
Chavan Kiran Nandu		Prof. M. J. Deshpande	Formulation and Development of Nanoparticulate Tablet of Mesalamine
Kalkumbe Aniket Raosaheb			Formulation and Development of Nanofibers of Anidulafungin
Unecha Mrunalini Mahendra			Formulation and development of Insitu gel



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Principal

Dhore Shubhangi Mahadev			Formulation development and evaluation of Flurbiprofen Nanogel for Rheumatoid Arthritis
Jagtap Navnath Sunil		Dr. Madanrao Nanaso Mane	Formulation development and evaluation of Self-emulsifying Drug Delivery System (Zidovudine)
Saurabh Sanjay Badhe			Formulation development and evaluation of Sustain releasing Tablet of Bosentan Monohydrate
Isane Sumit Pramod			Solubility Enhancement of BCS Class II Drug (Dolutegravir)
Kaware Akshay Pama		Prof. S. S. Kute	Solubility Enhancement of BCS Class II Drug by Natural Bioenhancer
Munde Sachin Arjun			Formulation development and evaluation of Bilayer Tablet containing Chlorothiazide and Diclofenac.
Bhadale Prashant Sunil			Formulation development and evaluation of Nanogel containing Luliconazole.
Ghogare Rohit Bhalchandra		Dr. A. B. Lokhande	Formulation development and evaluation of Lamivudine Nanoemulsion
Lakhotiya Omkar Manojkumar			Formulation development and evaluation of Transdermal Drug Delivery System containing Nateglinide
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Practical Work



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Role Play:

Prescription Analysis –

(Students analyze the prescription given by the registered medical practitioner and able to find out the content of prescribed drug. Students are able to write the root of administration, indications, contra-indications, adverse effect, and drug interaction, if any and justify the inclusion of each drug. Finally students are able to address the disease/disorder by which patient is suffered from.



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Mandavgan Pharata, Tal. Shirur, Dist. Pune Pin 412211 (Maharashtra)
Ph. : (02137) 262222, Fax : (02137) 262222
● Web. www.swgp.org.in ● E-Mail : pharatepharmacy@gmail.com

Subject : Human Anatomy & physiology-I
Name : Kharat Monika Ankush
Class : F.Y. B. Pharm Academic Year : 2023-24
Seat No. 24 Examination No. 22511



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CERTIFICATE

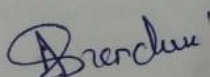
This is to certify that, Mr./Miss/Mrs..kharat..Monika.. Ankush.....

Roll No. 24.

ExamSeat No. 22511

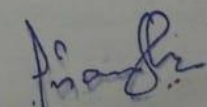
has satisfactorily carried out the experimental work as prescribed by Savitribai Phule,
Pune University of the Pune for Semester....First.....of FY / ~~SX~~ / ~~VY~~ / Final Year
B. Pharmacy subject....Human Anatomy & physiology-I during the academic
year 2023 - 2024 and this journal represents his / her work within the laboratories of
this college.

Date : 12 / 01 / 2024


Sign. and Name of
Teacher-in-charge
Asst. Prof. Bhandari, A.S.
Monika
kharat

Sign. of External Examiner




Sign. of Principal
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Name : Monika Ankush Kharat Class F.Y. B. Pharm.
Roll No. : 24 Exam Seat No.
Year : 2023 - 2024

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	Experiment No. 1	Page No. 1 Date: 15/09/23
	Aim :- To study the compound microscope.	
	Requirments & Chemicals :- compound microscope , permanent slide (or any other specimen).	
	References	
	The reference of microscope is one of the most commonly used instruments in medical , paramedical & clinical laboratories. It is used to study cell morphology, histology , histopathology & microbiological . A microscope helps us to see microscopic objects that are too small & invisible to the naked eye. <u>Description of compound microscope :-</u> The compound microscope has the following main parts - 1) The supporting system 2) The focusing system 3) The optical magnifying system 4) The illumination system including (a) source of light (b) mirror (c) condenser	
<u>1) The support system :-</u> It is a frame work to which various functional units are attached . It consist of the following :- a) <u>Base :-</u> It is a heavy metallic . U shaped or 'horseshoe' shaped base which support the microscope on work table & provides maximum stability.		



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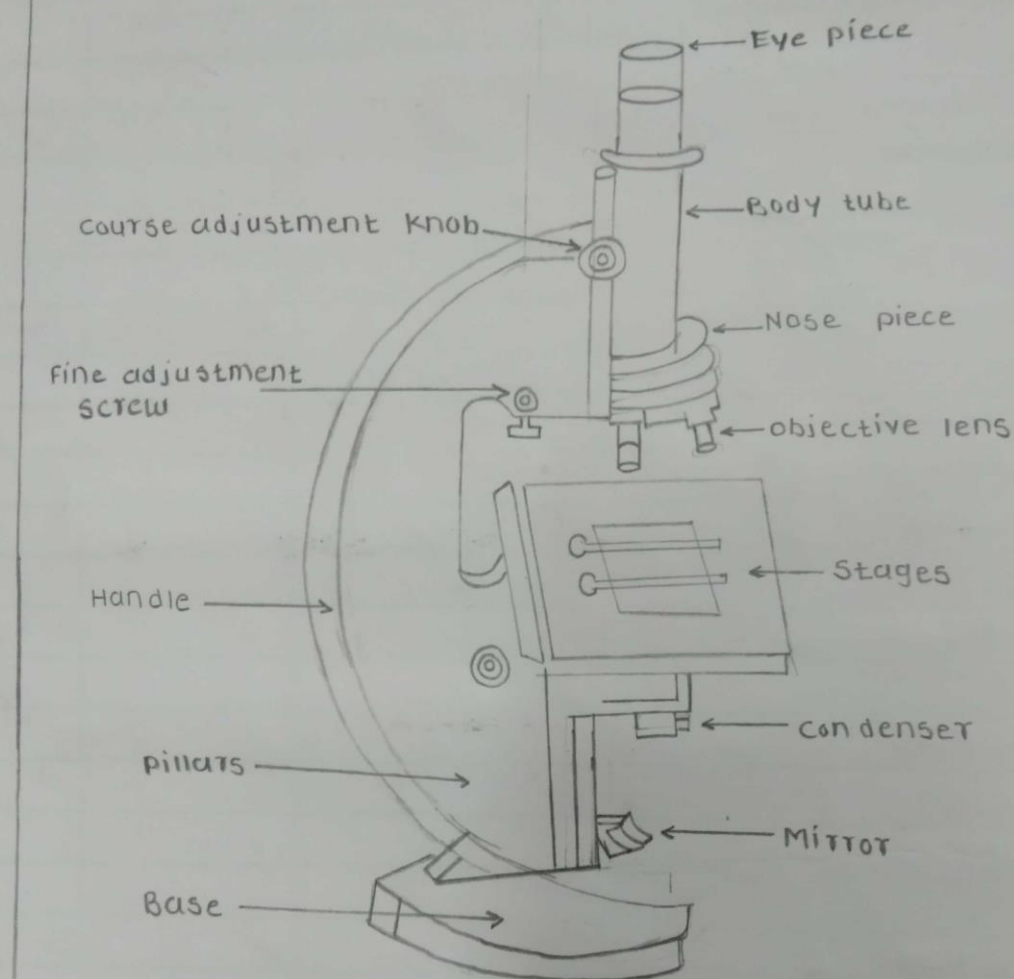
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Fig 1.1 compound Microscope





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	Page No. 3 Date : 15/09/23
	<u>Aim</u> a) <u>source of light</u> :- It may be external (natural day light electric lamp or tube light) or internal (electric in built light sources) ~~Requirments & Chemicals~~ b) <u>A condenser</u> :- It is a system of lenses fitted as short cylinder mounted below the stage. References c) <u>Mirror</u> :- A double sided mirror with one flat side & other concave is located below condenser & can be rotated in all direction. It focuses light rays into a solid cone of light on to the material under study & helps in resolving image.
	d) <u>Iris diaphragm</u> :- Iris diaphragm is a thin opaque membranous structure fitted within condenser with a small lever on the side. The lever can adjust size of aperture of diaphragm & allows lessor more light falling on slide.
	<u>Result</u> :- The Microscope parts was studied.



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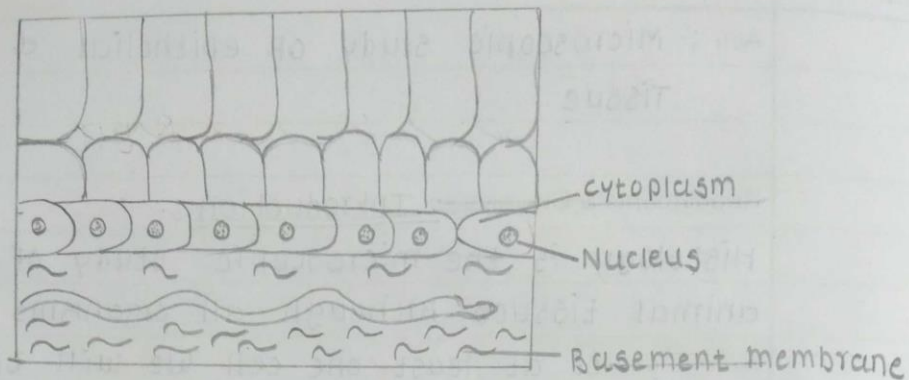


Fig. 2

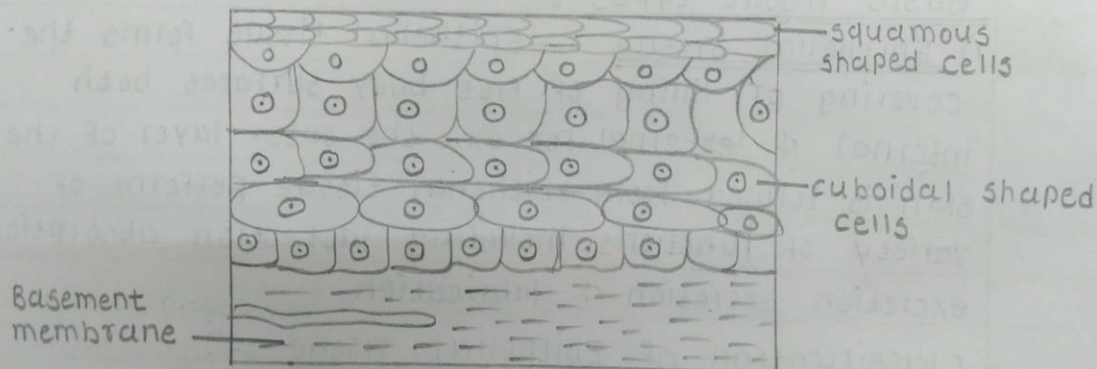


Fig. 3



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	Experiment No.2	Page No. 4
		Date : 22 / 09 / 23
Aim :- Microscopic study of epithelial & connective Tissue.		
~~Requirments & Chemicals~~ <u>Introduction :-</u>		
Histology is the microscopic study of plant & animal tissues. Although all organisms are composed of at least one cell we will be concentrating on observing cells & tissues of human body.		
~~References~~ All organisms are composed of cells. Human body cells are ~~composed~~ grouped by their similarities in structure & function into tissues.		
<u>Basic Tissue types :-</u>		
1) <u>Epithelial Tissue</u> — Epithelial tissue forms the covering or lining of free body surfaces both internal & external. For ex., the outer layer of the skin is formed from epithelial tissue perform of variety of functions including protection absorption excretion secretion & lubrication.		
<u>Classification of Epithelial Tissue :-</u>		
The cells of the epithelial tissue are tightly packed & seat on a thin basement membrane the free surface of the epithelium is exposed of also fluid. No blood vessels are present epithelial tissues are classified according to the shape of the component cell & arrangement of these cells into one or more layer. The shape of the cells may be -		
1) <u>Squamous</u> :- Flat, scale like cells (Fried-egg appearance).		



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a) Areolar (loose) connective tissue :-

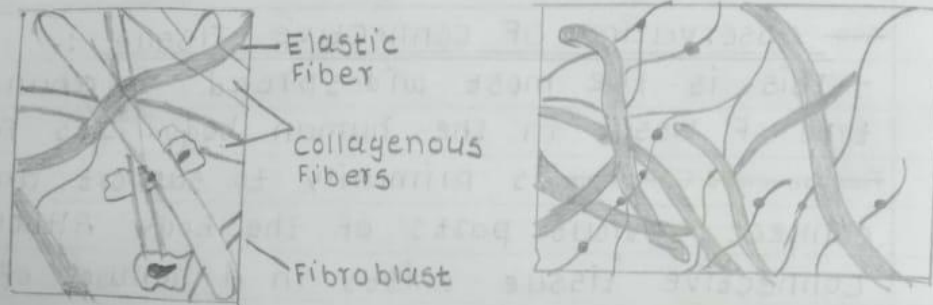
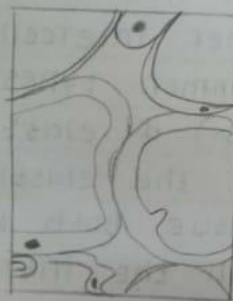
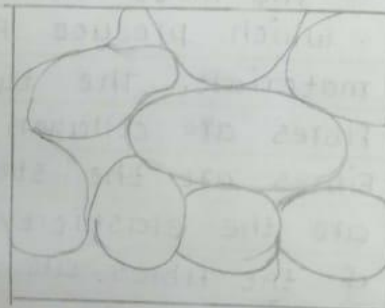


Fig. 5



Fat droplet
Nucleus
plasma
membrane



Fat cells

b) Adipose connective Tissue



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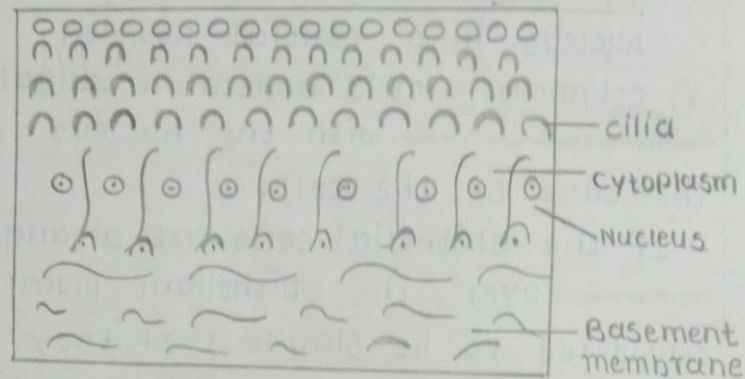


Fig. 4



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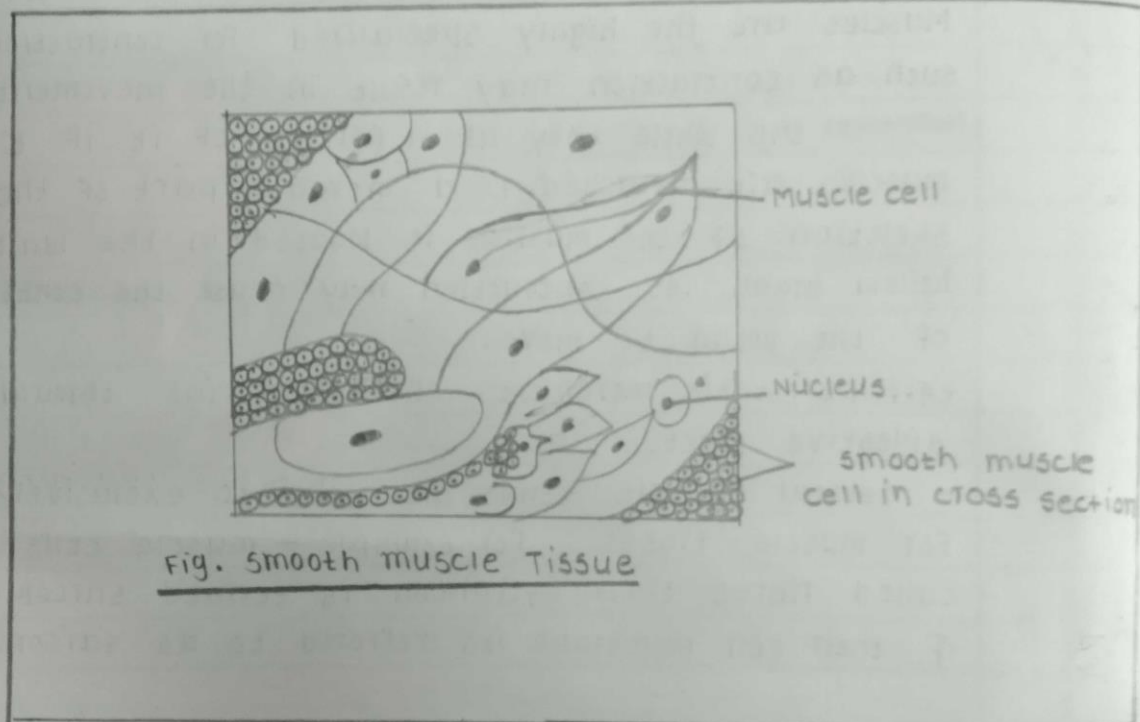
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Date: 22/09/23

Aim 2) cuboidal:- cells appear square in side view with nucleus in a central position.

3) columour :- cells appear rectangular in side view with the nucleus displaced toward the base of the cell.

- IF the epithelial cells are arranged in one single layer. the epithelium plural, epithelial is considered to be simple; IF they are arranged in two or more layer. It is stratified. combining these two forms of classification leads to the following example of epithelium.

- simple & stratified squamous
- simple & stratified cuboidal
- simple & stratified columnar
- pseudostatified.

1) simple columnar epithelium :-

- This type of epithelium appears as single layer of tall, column-shaped cells with ablong nuclei. The primary function of this of epithelium is absorption of nutrients secretion of digestive juices as well as secretion of mucus by goblet cells.

2) simple cuboidal & simple squamous epithelium:-

- The kidney is composed of thousand of microscopic tubular structures called nephrons which function in the formulation of urine.

- The most common types of epithelial present within the nephron are simple cuboidal epithelium



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Page No. 8
Date: 22/09/23

Aim classification of connective Tissue :-

I) connective tissue proper :-
Encompasses all organs & body cavities connection
~~Requirments & Chemicals~~ one part with another & equally
important separation one group of cell from another.
This is a very large & diverse group of tissue
~~References~~ & includes adipose tissue (fat). areolar
(loose) tissue & dense regular tissue among other.

II) specialized connective Tissues :-
This group includes cartilage bone & blood.
cartilage & bone from the skeletal frame
work of the body while blood is the vascular
(transport) tissue of animals.

① connective Tissue proper

a) Areolar (loose) connective Tissue :-
Areolar connective tissue is the most widespread
connective tissue of the body. It is used to
attach the skin to the underlying tissue. It
also fills the spaces betⁿ various organs &
thus holds them in place as well as cushions
& protects them. It also surrounds & supports
the blood vessels.

— The fibres of areolar connective tissue are
arranged in no particular pattern but run in all
directions & form a loose network in the intercellu
lar material collagen fibres are predominant.
They usually appear as broad pink bands some
elastic fibres which appear as thin dark fibres
are present.



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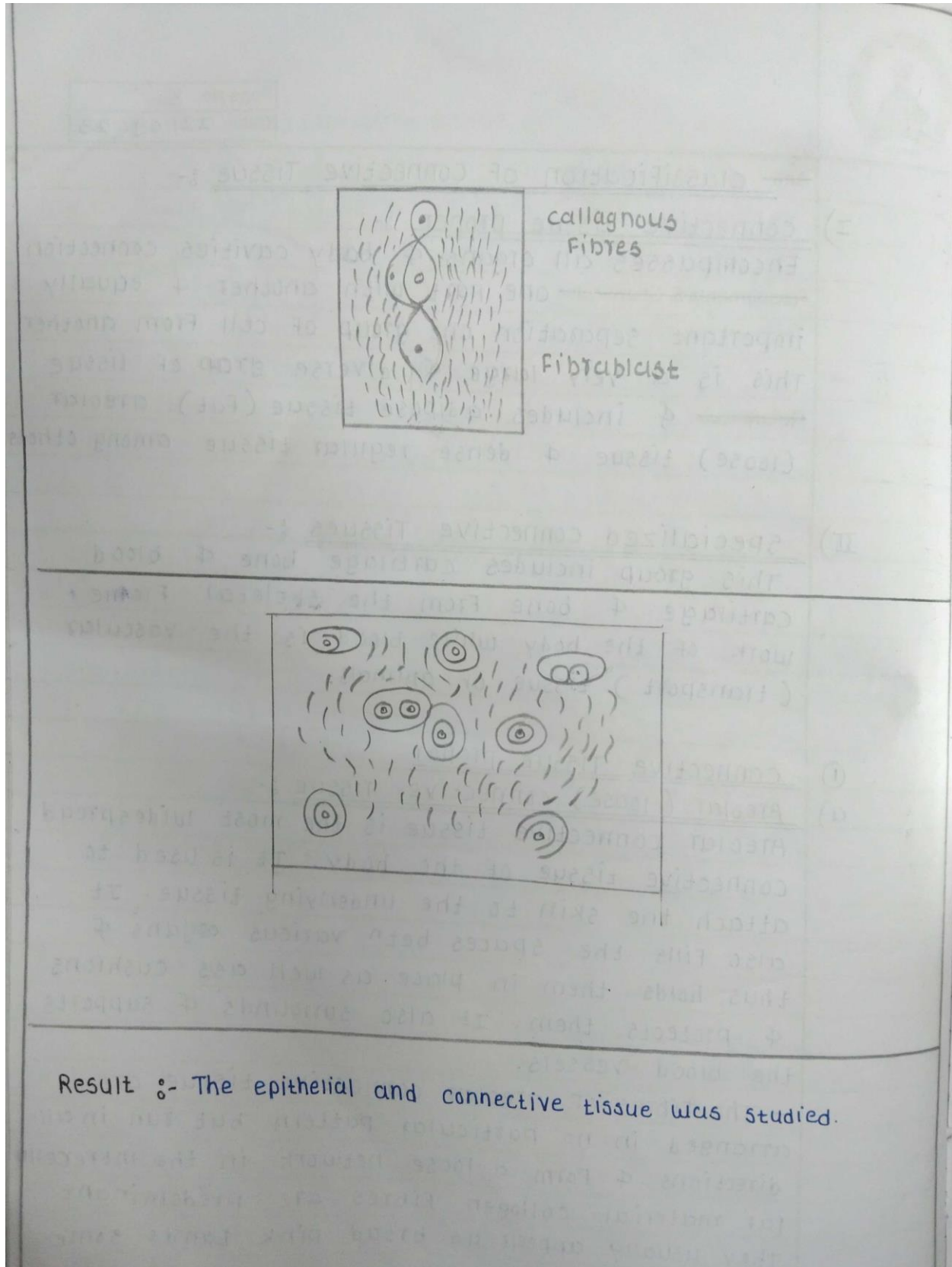
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Aim - A Typical skeletal muscle cell is highly modified giant multi-nucleated cell (Fibre) Each Fibre is cylindrical in shape with blunt rounded ends. The ~~Requirements & Chemicals~~ Flattened nuclei are located mainly at the periphery of the cell just inside the sarcoplasm. The cross striped (or striated) appearance of light & ~~References~~ dark banding result from the arrangement of myofibrils small protein contractile units embedded in the sarcoplasm.

- skeletal muscle is composed of long cylindrical cells. The individual cells can be as long as the muscle itself. As muscle length increases the individual cells get ready to divide double their cytoplasmic contents including nucleus but they do not complete cytokinesis thus ending up as long multi-nucleate cells.

b) smooth muscle :-

- smooth muscle fibres are spindle shaped structures with a prominent centrally located nucleus. In comparison with skeletal muscle fibres they are much shorter in the length & they do not exhibit striations. The cells occur as individual fibres within organs & as groups of fibres closely interlaced in sheets or bands observe the smooth muscle slide using your high power objective lens identify the different parts of the tissues as described.



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	Page No. 6
	Date : 22 / 09 / 23
~~Aim~~ is secretion & absorption. This type of epithelium also found in thyroid gland salivary glands as well as ducts of gland such as ducts of sweat ~~Requirments & Chemicals~~ gland. For example - The flat shape of the simple squamous epithelium allows substance to either easily diffuse through the ~~References~~ cell or to be filtered through them. In addition of the kidney. simple squamous epithelium is also found in other locations of the body for cavities blood vessels, heart & alveoli of the lungs.	
3) <u>stratified squamous Epithelium :-</u> - stratified squamous epithelium provides protection against pathogens to underlying tissues. It is commonly found on surface subject to abrasion. such as mouth pharynx, esophagus vagina, anus & outer skin.	
<u>pseudostratified ciliated epithelium :-</u> Pseudostratified ciliated epithelium lines the nasal cavities, trachea & bronchi. Its function is to protect these structures. secretes mucus by cilia. This type of epithelium consists of a single row of ~~the~~ cells most of these cells have a columnar shape while other shorter cells which are most cuboidal.	



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	Experiment NO. :- 3	Page No. 10 Date : 22/09/23
	Aim Microscopic study of muscular & nervous tissue.	
~~Requirements & Chemicals~~ observation of muscular & tissue/cell		
Muscles are the highly specialized for contraction such as contraction may result in the movement of the whole body at a portion of it if the muscles are attached to a movable part of the skeleton. If the muscle is located in the wall of hollow organ its contraction may cause the contents of the organ to move.		
eg., peristaltic movements of a material through the digestive tract.		
- Several specific terms are used to exclusively for muscle tissue. For example - muscle cells are called fibres their cytoplasm is termed sarcoplasm & their cell membrane is referred to as sarcolemma.		
- Three types of muscle tissue are distinguished on the basis of structural, functional & locational difference.		
a) skeletal or striated		
b) smooth		
c) cardiac		
a) <u>skeletal or striated muscle</u> :- observe the skeletal muscle slide using your high power objective lens. Identify the different parts of the tissue as described.		



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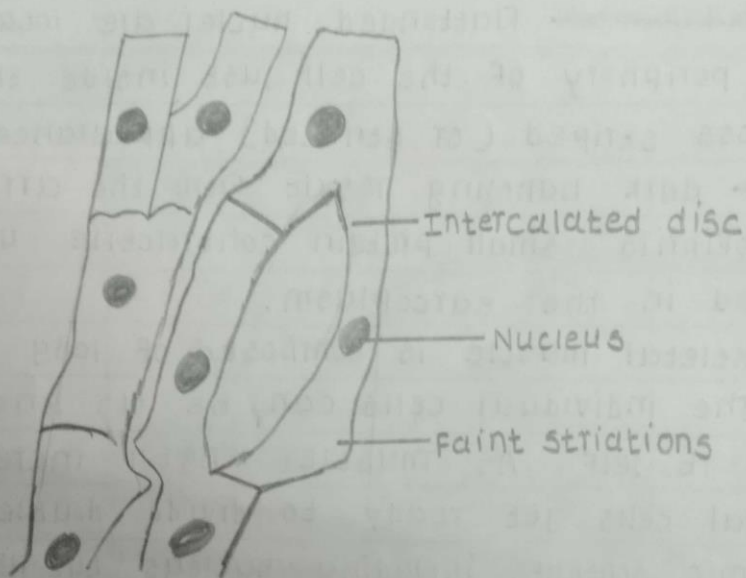
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Fig. cardiac muscle Tissue





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Aim— The cells marking up smooth muscle are spindle shaped long with arrowed ends. smooth muscle cells are not nearly as long as skeletal muscle fibres.

Requirments & Chemicals (cells). The photograph shows the darker stained nuclei within the individual smooth muscle cell cytoplasm smooth muscle is of the arranged in layers — running in different direction. In this photograph there is just one layer running mostly vertically.

References—

c) cardiac muscle :-

- unlike smooth or straited fibres cardiac fibres tend to form long chains of cell which branch & intertwine. This arrangement result in the pnculir wringing action of the heart. The junction of one cell with another in particular chain is known as an intercalated disc & appears as a heavy dark line running across at the fibres.
- Each cell has a somewhat cylindrical shape with one centrally — located oval nucleus cross striation are appearent but they are not as regular not as prominent as phase of skeletal muscle.
- observe the cardiac muscle slide using your high power objective lens identify the different parts of the tissue as described. Cardiac muscle cell are much shorter in length & uninucleate (single nucleus) As the cardiac muscle cells are arranged. They form branching patterns connecting adjacent cardiac muscle cell are specialized



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Aim— cellular junctions called gap junctions called intercalated disc which are darker pink than the striations seen throughout the cytoplasm of the cardiac muscle cell.

Requirements & Chemicals—

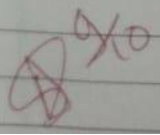
Observation OF Nerves Tissue :-

References— observe the neuron smear slide using your low power objective lens. Identify the different parts of the tissue as described.

— Neurons are large cells surrounded by much of smaller & numerous glial cells. The cell body of a neuron includes most of the cytoplasm & nucleus. The nuclei are large highly visible & often you will find the nucleolus within the nucleus that looks like an owl's eye. Extending from the cell body are long cellular extensions called processes. A neuron which is up to 3 feet long running from the terminated of your spinal cord to your big toe. Each neuron has one axon. The axon typically identified because it is the largest process attached to the neuron's cell body.

— Dendrites are all of other cellular extensions. Dendrites are responsible for sensing the environment & starting an electrical impulse which travels toward the cell body. Axons are responsible for continuing the action potential along its length away from the cell body.

Result :- Microscopic study of muscular & nervous tissue are studied





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Problem Solving Method



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Project Work B .Pharmacy 2022-2023

Roll No	Student Name	Title of project work
1.	Nimbalkar manjusha mahendra	Review on cancer
2.	Pawar rohit shivaji	Formulation and evaluation of herbal face toner from hibiscus and curry leaves
3.	Kale Nilesh Santosh	Formulation and evaluation of herbal face pack
4.	Landge akshata yuvraj	To prepare probiotic pineapple fruit fermentation
5.	Mayur pandurang weljale	Formulation and evaluation of herbal skin cream for wound healing
6.	Kalamkar sakshi sunil	Formulation of bringhraj hair oil
7.	Pawar savita rohidas	Formulation and evaluation of herbal shampoo
8.	Takawane swamini dadaso	Formulation and evaluation of plant based biotin power
9.	Nikhil domale	Formulation and evaluation of baby massage oil
10.	jadhav priya yashvant	Formulation of bhringhraj hair oil
11.	Gulve pooja sanjay	Formulation and evaluation of herbal hair mask
12.	Salve amar harishchandra	Formulation and evaluation of pediatric herbal chocolate
13.	vaishali dattatray pawar	Extraction and formulations of herbal anti _depressant solution
14.	Supekar vishal vasant	Formulation and evaluation of aqueous zingiber officinale of cardiovascular agent
15.	Sakshi sanjay parbhane	Extraction and formulations of herbal anti-depressant solution
16.	Shelke tanuja vijay	Formulation and evaluation of plant based biotin powder
17.	sanskriti sanjay pandekar	Formulation and evaluation of herbal hair oil
18.	Sayyad altaf rajjak	Herbal mosquito repellent candle
19.	Shelar prathamesh hiranman	Formulation & evaluation of mosquitoes repellent



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20.	Mr.dipak v.chaudhari	Formulation and evaluation of baby massage oil
21.	Bhavana ramchandra machale	Formulation and evaluation of herbal face pack for glowing
22.	Shobha rajendra lagad	Novel approaches as method of extraction of natural of agent a pharmaceutical excipients
23.	Langade akshata yuvraj	"to prepare periodic pineapple fruit fermentation.'
24.	Garud sonali dattatray	Formulation and evaluation of herbal kajal
25.	Bandal akansha vijay	Formulation and evaluation of herbal face toner
26.	Pharate snehal kashinath	Onion hair oil
27.	Pharate apurva ganesh	Onion hair oil
28.	Somase sakshi mahadev	Formulation and evaluation of aqueous zingiber officinale of cardiovascular agent
29.	Supekar ajit vilas	Formulation and evaluation of aqueous zingiber officinale cardiovascular agent
30.	Yogesh mohan more	Gout disease
31.	Dipak d.chede	Formulation and evaluation of baby massage oil
32.	Attar shahid shakil	Preparation and extraction of herbal tulsi syrup
33.	Gupta poonam ashok	Study of functional property and effectiveness of guava leaf based herbal tea
34.	khandekar rutuja tatyaso	Formulation & evaluation of mosquitoes repellent
35.	Shelar yogita suresh	Formulation and evaluation of aqueous zingiber officinale as cardiovascular agent
36.	Omkar sampat khartude	Formulation and evaluation of herbal skin cream for wound healing
37.	Gajare maithili mohan	Formulation and evaluation of herbal kajal
38.	Thorat jayesh sunil	Novel approaches as method of extraction of natural colour agent as pharmaceutical excipients
39.	Swapnali s. Khomane	Formulation and evaluation of lip balm prepared using various herbal entities



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40.	kharade shabham ashok	Formulation and evaluation of mosquitoes repellent cream
41.	Bhumika rajaram shinde	Formulation and evaluation of mosquitoes repellent cream
42.	Gade manjiri mahesh	"formulation & evaluation of mosquitoes repellent cream"
43.	Rutuja ganesh jadhav	Formulation and evaluation of herbal shampoo
44.	Vaishnavi gadade	Formulation and evolution of rice water shampoo
45.	Omkar r. Pardhe	Formulation and evaluation of herbal calamine lotion
46.	siddheshwar d.patole	Formulation and evaluation of herbal calamine lotion
47.	pooja sanjay kadam	Formulation and evaluation of bramhi vati as brain tonic
48.	Monika balasaheb pange	Formulation and evaluation of herbal hair oil
49.	sanskriti sanjay pandekar	Formulation and evaluation of herbal hair oil
50.	Taware akanksha dipak	Formulation and evaluation of transdermal patches
51.	Thorat satyshil shashikant	Formulation and evaluation of transdermal patches
52.	Kolase rushikesh bhausaheb	Formulation and evaluation of lip balm prepared using various herbal entities
53.	Mhaske snehal ashok	Survey on diphtheria
54.	yogesh mohan more	Gout disease
55.	Bhosale sanket gorakh	Formulation and evaluation of herbal protein shampoo
56.	Bhos abhishek bharat	Formulation and evaluation of herbal protein shampoo
57.	Rathod priyanka chadar	Onion hair oil
58.	Abhishek vasant bansude	Preparation and extraction of herbal , tulsi syrup
59.	walunj Mahesh Ramesh,	Formulation and evaluation of polyherbal, antimicrobial handwash
60.	shelar aishwarya prakash	Herbal mosquito repellent candle
61.	Arote rushikesh D	Herbal face wash gel of aloe vera
62.	Bhapkar jaydip R	Herbal face wash gel of aloe vera
63.	Madhuri gorksha More	Swine flue
64.	Vaishnavi gadade	Formulation and evaluation of rice water shampoo



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65.	Abhishek chavan	Formulation and evaluation of rice water shampoo
66.	Varsha chavan	Formulation and evaluation of rice water shampoo
67.	Shelar anisha vilas	Formulation and evaluation of plant based biotin powder
68.	Kamble komal	Formulation & evaluation of mosquitoes repellent cream
69.	Rushikesh bausaheb kolse	Formulation and evaluation of lip balm prepared using various herbal entities "
70.	Bandal jayashree satyawar	Formulation and evaluation of herbal face toner
71.	Kute sanjivani mahavir	Novel approaches as method of extraction of natural coloring agent as pharmaceutical excipients.
72.	Pare priyanka pandurang	Formulation and evaluation of herbal shampoo
73.	Sangale akshay navnath	Herbal mosquito repellent candle



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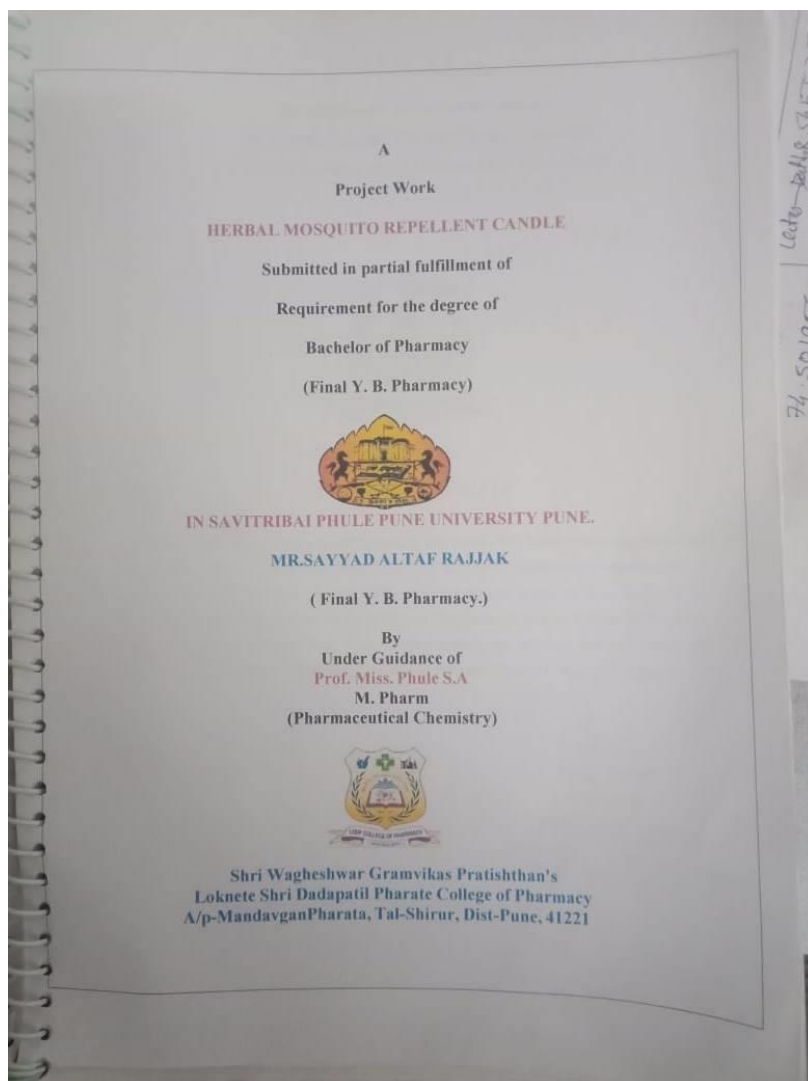
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Loknete Shri Dadapatil Pharate College of Pharmacy
A/P Mandavgan Pharata, Tal-Shirur, Dist-Pune, 412211



PRINCIPAL CERTIFICATE

This is to certify that investigations incorporated in this thesis titled, **Herbal Mosquito Repellent Candle** submitted by **Mr. Sayyad Altaf Rajjak** for the partial fulfillment of requirements of degree in **Bachelor Of Pharmacy (VIII)** in the faculty of Pharmaceutical Sciences, University of Pune. The research work was carried out in Loknete Shri Dadapatil Pharate College Of Pharmacy Pune, affiliated to Savitribai Phule Pune University, under the guidance and supervision of Prof. S. A. Phule (M. Pharm.) Professor, Loknete Shri Dadapatil Pharate College of Pharmacy.

Date: 10-04-2023
Place: Mandavgan Pharata

Principal
Dr. H. V. Kamble
M. Pharm
(Ph.D Pharmacology)
PRINCIPAL
LOKNETE DADAPATIL PHARATE COLLEGE OF PHARMACY
MANDAVGAN PHARATA, TAL-SHIRUR, DIST PUNE-412211

74.501000



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Principal

REASERCH WORK PROJECT OF PG STUDENT

RESEARCH PROJECT LIST OF PHARMACEUTICS DEPARTMENT (2022-23)

Sr.no	Name of student	Topic Nam	GUIDE NAME
1	Bhadale Prashant Sunil	Formulation development and evaluation of Nanogel containing Luliconazole.	Dr. A. B. Lokhande
2	Chavan Kiran Nandu	Formulation and Development of Nanoparticulate Tablet of Mesalamine	Prof. M. J. Deshpande
3	Dhore Shubhangi Mahadev	Formulation development and evaluation of Flurbiprofen Nanogel for Rheumatoid Arthritis	MS.Ghug Manasi kails
4	Ghogare Rohit Bhalchandra	Formulation development and evaluation of Lamivudine Nanoemulsion	Dr. A. B. Lokhande
5	Isane Sumit Pramod	Solubility Enhancement of BCS Class II Drug (Dolutegravir)	Prof. S. S. Kute
6	Jagtap Navnath Sunil	Formulation development and evaluation of Self-emulsifying Drug Delivery System (Zidovudine)	MS.Ghug Manasi kails
7	Kalkumbe Aniket Raosaheb	Formulation and Development of Nanofibers of Anidulafungin	Prof. M. J. Deshpande
8	Kaware Akshay Pama	Solubility Enhancement of BCS Class II Drug by Natural Bioenhancer	Prof. S. S. Kute
9	Khillare Samta Subhashrao	Formulation Development and Analytical Method Development of Dapsone and Ethoxzalamide bilayer tablet used in treatment of Severe burn.	Dr. V. M. Satpute
10	Lakhotiya Omkar Manojkumar	Formulation development and evaluation of Transdermal Drug Delivery System containing Nateglinide	Dr. A. B. Lokhande
11	Munde Sachin Arjun	Formulation development and evaluation of Bilayer Tablet containing Chlorothiazide and Diclofenac.	Prof. S. S. Kute
12	Pinjari Mustakeem Farukh	Formulation development and evaluation of Immediate releasing Tablet containing Nateglinide.	Dr. V. M. Satpute
13	Saurabh Sanjay Badhe	Formulation development and evaluation of Sustain releasing Tablet of Bosentan Monohydrate	MS.Ghug Manasi kails
14	Shantanu Sanjay Shevkar	Formulation development and evaluation of Mouth Dissolving Tablet of Chlorphenamine	Dr. V. M. Satpute
15	Thorat Nitin Anil	Formulation development and evaluation of ketoconazole Topical patches	Dr. V. M. Satpute
16	Unecha Mrunalini Mahendra	Formulation and development of Insitu gel	Prof. M. J. Deshpande



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Principal

"ANTIOXIDANT FROM NTURAL SOURCE"

Submitted



SAVITRIBAI PHULE PUNE UNIVERSITY,PUNE

Submitted by

Mr. Deokar Dipali Pandurang(B.
Pharmacy)

UNDER THE GUIDANCE OF

Prof. Mayur M. Garje
(M. Pharmacy)



Hon. Mr. R. V. Pharate
Founder President

Shri Wagheshwar Gramvikas Pratishthan's
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Hon. Mrs. M. R. Pharate
Founder Secretary



Dr. H. V. Kamble
Principal

CERTIFICATE

This is to certify that the project Report on recent inpharmaceutical Scines entiled **“Antioxidant From Natural Source”** was presented and submitted by **Ms. Deokar dpali Pandurang** in final year B. Pharm, LSDP COP under my suopervasion and guidance.

The report was presented and submitted in partial fulfillment of the requirement for seven semester of degree of bachelor of Pharmacy in the faculty of Medicine of **“Savitribai Phule University, Pune.”**

These report is now ready for examination and evalution.

Principal

Dr. H. V. Kambale

Place: Madavgan Pharata



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Phule University, Pune.”**

These report is now ready for examination and evalution.

Project Guide
Prof. Mayur M. Garje
(M. Pharmacy)
Place: Madavgan Pharata



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DECLARATOIN

It gives me great pleasure and satisfaction to declare that the seminar on recent trends in pharmaceutical sciences entitled **"Antioxidant From Natural Source"** was reviewed and submitted in partial fulfillment of the requirements for a degree of Bachelor of Pharmacy in the faculty of Medicine in Savitribai Phule Pune University, Pune under guidance and supervision of guide **Prof. Mayur M. Garje** I hereby declare that this report is now ready for examination and evaluation.

Date: / /

Place: Madavgan Pharata

Ms. Deokar Dpali Pandurang

(B. Pharmacy)



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Chapter No.	Title
1	Introduction
2	Literature Review
3	Aim and Objectives
4	Plan of work
5	Description and Data
6	Result
7	Summary
8	Conclusion
9	References

ABSTRACT



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Principal

Antioxidants are the defense system of the body against the damage of reactive oxygen species, which is normally produced during the various physiological process in the body. There are various sources of these antioxidant like endogenous antioxidant present in the body and exogenous food source. In recent decade, alternate of synthetic food antioxidants by natural ones has fostered interest on vegetable source and screening inexpensive raw material particularly from the agriculture for identifying new antioxidant. Polyphenols are the significant plant compound with antioxidant activity, though not the only ones. Some but not only restricted to biological properties such as anticarcinogenicity, antimutagenicity, antiallergenicity, and antiaging activity have been reported for natural and synthetic antioxidant. Among the sources of natural antioxidants, the most important are those coming from routinely consuming vegetables and fruits; however, antioxidant from other plant and agriculture waste should not be ignored. In recent years, great interest has been focused on using natural antioxidants in food products, due to studies indicating possible adverse effects that may be related to the consumption of synthetic antioxidants. A variety of plant materials are known to be natural sources of antioxidants, such as herbs, spices, seeds, fruits and vegetables. The interest in these natural components is not only due to their biological value, but also to their economic impact, as most of them may be extracted from food by-products and under exploited plant species. This article provides an overview of current knowledge on natural antioxidants: their sources, extraction methods and stabilization processes. In addition, recent studies on their applications in the food industry are also addressed; namely, as preservatives in different food products and in active films for packaging purposes and edible coatings.

Keywords: Natural antioxidants, extraction methods, stabilization techniques, food products.

[List of Abbreviation](#)



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$^{\circ}\text{C}$ - Degree Celsius Fig.

- Figure

Mg – Milligram

% - Percentage

Conc. - Concentration

Kg / cm- Kilogram per centimeter pH-

Hydrogen ion Concentration kg-

Kilogram

et.al. -And coworkers



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Founder Secretary



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Principal

ACKNOWLEDGEMENT

I would like to express my special thanks to gratitude to my teacher Prof. M. M. Garje. who also helped me in completing my project. I came to know about so many new things. I am really thankful to them. It gives me immense pleasure to express my deep sense of gratitude to Dr. H. V. Kamble, principal, Loknete Shree Dadapatil Pharate Collage of Pharmacy, Mandavgan Pharata, Pune, for providing necessary facilities at all stages of this project work Secondly i would also like to thank my parents and friends. Who helped me a lot in finalizing this project within the limited time frame.

Place: Pune

Signature of the Candidate

Date: / /

Ms. Deokar Dipali Pandurang



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1. INTRODUCTION

Antioxidant from natural source

Antioxidant

Definition:

An antioxidant is a molecule capable of inhibiting the oxidant to other molecule.

Oxidant: Oxidant is the removal of oxygen.

- Oxygen is the synonym for life.
- Few oxygen atoms are destructive to free radical or reactive oxygen species (ROS).
- Oxidation reaction can form free radicals and start chain reactions that damage the cell.
- Antioxidants terminate these chain reactions by removing free radical intermediates and inhibit other oxidation reactions.
 - Free radicals are produced during.

Normal activities	Cellular	Pathological Events	Disease State
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Electron Transplant Chain(ETC) reaction	Ionizing	Inflammatory disease
Liver detoxification reaction	Toxic chemical	Degenerative disease
Immune reaction	Tissue ischemia	Carcinogenesis

Table No.1

- Types of free radicles

- Hydroxyl radicle ($\text{OH}^\cdot$)
- Super oxide anion radical
- Singlet oxygen
- Hydrogen peroxide
- Lipid peroxy free radicals
- Nitric oxide
- Alkoxy radical
- Peroxynitrite

- Antioxidant in food are important for our health and eating five to seven server each day of fresh fruit and vegetable has been show to help protect against heart disease cancer and other disease.
- Eating a large amount of fresh fruit and vegetables is best sourceof antioxidant.
- Antioxidant are naturally occurring chemicals in food that help to counter the detrimental effect a oxygen radicle which from during metabolism and



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through external factor such as x-ray,UV radiation and pollution.

- Antioxidant are phytochemicals, vitamins and nutrient that protect our cell from phytochemicals, vitamins and nutrient that protect our cell from damage caused by free radicle.
- Antioxidant can be found most of fruit and vegetable.
- Antioxidant are absolutely critical for maintain optimal cellularand systematic health well-being.

Oxygen is an essential chemical element in the metabolismof aerobic organisms. However, it may trigger unfavourablereactions, and there has been a growing interest in studying the role of its reactive species. Reactive oxygen species (ROS) include free radicals like the superoxide anion, singlet oxygen, lipid peroxides and the hydroxyl radical. Reactive species are by-products of the normal cellular energy production and functional activities, presenting an important role in cell signalling, apoptosis, gene expression and ion transportation.Nevertheless, if ROS levels increase intensely. It can result in damage of many molecules, including proteins, lipids, RNA andDNA, since they are highly reactive. Furthermore, the production of free radicals is not only associated with the normal metabolic processes in the human body (endogenousources), but can also be due to environmental factors (exogenous sources) such as stress, ozone radiation, pollution, pesticides and industrial chemicals. When higher production of ROS in relation to their removal by biological systems(antioxidant defense) occurs, it is called oxidative stress Thathas long been associated with increased risk for several diseases,such as cancer, diabetes, arthrosclerosis arthritis, neurodegenerative diseases and premature aging. Antioxidants may protect cells by a variety of mechanisms, including the conversion of ROS to non-radical species (which are dependent on the antioxidant involved), breaking the auto- oxidative chain reaction initiated by ROS and decreasing localized oxygen concentrations The intake of exogenous antioxidants, such as ascorbic acid (Vitamin C), a-tocopherol



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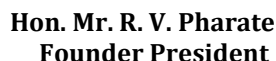


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(Vitamin E). carotenoids and polyphenols, that can be found in commonly consumed fruits, vegetables, beverages, cereals and others food products, may support the antioxidative defense.

The formation of oxygen reactive forms as result of rigorous oxidative process taking place in human organism are the potent precarious of systematic cell and tissue damage. Antioxidants being an inhibitor of the oxidation process remove these free-radical intermediates by oxidized themselves even at quite diminutive concentration, and thus have assorted physiological function in the body to stop these oxidation reactions ultimately protecting the body from harmful chain reactions thus, they have reviewed by many researchers as nature's answer to physiological and environmental stress, atherosclerosis, aging, and cancer.

Body's endogenous defense system against these free radicals plays in imperative role, which can further be supported by the supplementation of antioxidants in the diet. Generally, antioxidants can be divided into two major categories such as synthetic and natural. The main targeted site of these free radical's damage and defensive approach of antioxidants in the body is at the cellular level, Based up on this, these antioxidants can also be classified as enzymatic and non-enzymatic antioxidants. Enzymatic antioxidants primarily include glutathione peroxidase, catalase, and superoxide dismutase. There are also several other enzymes in the body that contribute to the total antioxidant capacity, which reflects in the serum Nonenzymatic antioxidants contain several subdivisions mainly vitamins such as A, E, C, and to lesser extent vitamin D, enzymecofactors, peptides and some minerals (zinc and selenium). The major ingredients from the natural sources are poly phenolic compounds. which are reported to have significant antioxidant potential.



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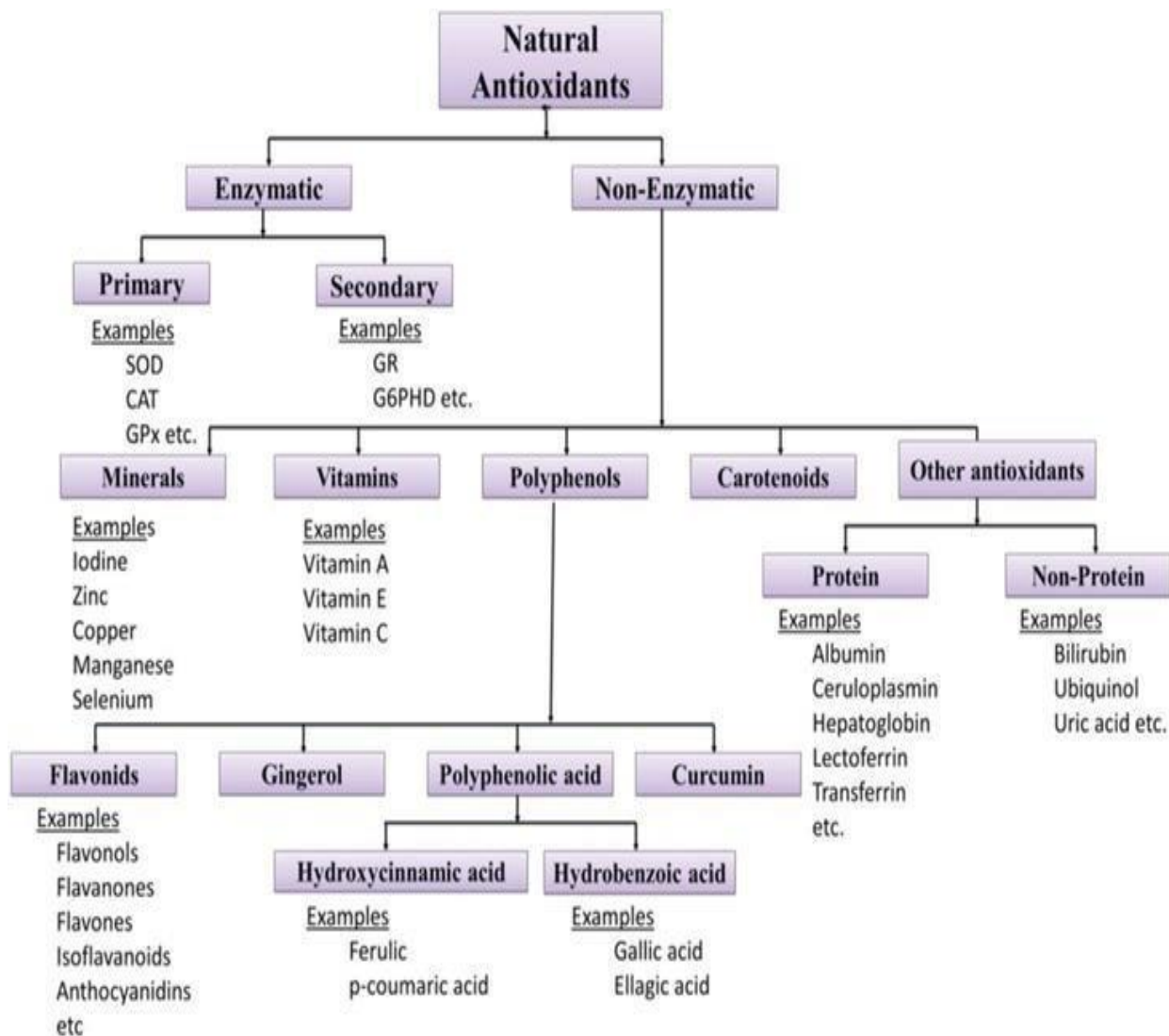


Figure.1 Classification and sub classification of antioxidants found innatural sources.



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2. LITERATURE REVIEW

Sr. No.	Name Authors	Title of Research	Description
1	Arun Rasheed	A review of Antioxidants	Natural phytochemicals present at low levels in fruits, vegetables, herbs, and spices offer many health benefits, but these compounds may not be effective or safe when consumed at higher dose.
2	Mariza P. Sofia	Antioxidants and Food application: Healthy Perspective	Healthy food is in global demand. The ability of antioxidants to contribute to health is evident and emphasis on natural antioxidants is associated with intense studies of their activity and the discovery of new sources.
3	C. Lourenco	Antioxidants of Natural Plant Origins: From Source of Food Industry Application	Oxygen is an essential chemical element in the metabolism of aerobic organisms.



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4	Haseeb Anwer	Antioxidants in Food and its Application	Antioxidants are the defense system of the body against the damage of reactive oxygen species, which is normally produced during the various physiological processes in the body.
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3. AIM AND OBJECTIVE

Aim- Antioxidants from natural source
The objective of the work.

- I. Antioxidants are the defense system of the body against the damage of reactive oxygen species, which is normally produced during the various physiological processes in the body.
- II. There are various sources of these antioxidants like endogenous antioxidant present in the body and exogenous food source.
- III. In recent decades, alternate of synthetic food antioxidants by natural ones has fostered interest on vegetable sources and the screening of inexpensive raw materials particularly from the agriculture for identifying new antioxidants.
- IV. Polyphenols are the significant plant compounds with antioxidant activity, though not the only ones. Some but not only restricted to biological properties such as anti-carcinogenicity, antimutagenicity, anti-allergenicity, and antiaging activity have been reported for natural and synthetic antioxidants.
- V. Among the sources of natural antioxidants, the most important are those coming from routinely consuming vegetables and fruits; however, antioxidant from other plant and agriculture waste should not be ignored.



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4. PLAN OF WORK

Plan of work.

- I. Collection and authentication of herbal plant.
- II. Collection of part of herbal plant.
- III. Preparation of herbal extract.
- IV. Phytochemical screening.
- V. In vitro cytotoxicity study (MTT assay to get IC₅₀ value).
- VI. In vivo anticancer activity by DMBA induced animal model with herbal extract Result analysis (ANOVA).



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5. DESCRIPTION AND DATA

Natural antioxidants:



The nature is always a significant and rich source of countless ingredients that can be served as health-promoting agents. Many of these natural sources include routinely used fruits, vegetables, herbs, spices, and edible mushrooms that can be the part of routine diet. In addition to that, there is a huge list of medicinal plants reported to have extensive health-boosting potentials. One of the most beneficial effects from these natural sources is due to their potential antioxidant properties. Regarding the antioxidant capability, the researchers have focused their studies to explore the most



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potential sources along with their active ingredients. The researchers have added some marine sources such as algae and sea grass as well in the list of these natural sources. The recent studies have also explored the role of naturally occurring micro biome in the gut in the body. Antioxidant pool denoted as good bugs. These good bugs can also be used as supplement called as probiotics. Thus, generated literature is a big data bank for the researchers of the field and beneficial information for the general reader as well. There is a need to summarize this enormous data bank based upon the identification of most potential sources, which will make the literature feasible for the professional and nonprofessional readers. at the same time. This chapter will elaborate the various natural sources of antioxidants that hopefully help to prioritize the beneficial amendments in dietary composition.

5.1 **Types of antioxidants from fruits and vegetables**

Polyphenols, present in fruits and vegetables, is a group of several low- and high-molecular weight compounds having antioxidant properties that prevent lipid oxidation. Most of them are conjugates of mono and polysaccharides connected with one or more groups of phenol rings or may also present as functional derivatives such as esters and methyl esters. This major class of natural antioxidants can be obtained from teas, particularly green and red teas, as well as fruits such as grapes. However, polyphenols from teas have more significant than in fruits because of their bioavailability in blood. Approximately 15-20% polyphenols are absorbed in human blood from their consumed amount. This absorption is enhanced when there are no sugar molecules attached with them. So, teas have more absorption of polyphenols than in fruits because of high sugar content in fruits.

Flavonoids, another important antioxidant content, is a subclass of polyphenols present abundantly in most of the foods, such as potatoes, wheat, tomatoes, red berries, peaches, and prepare foods in food processing



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and therapeutic

preparations. A significant number of bioactive phytochemicals, having strong antioxidant properties, can be obtained from the tomato wastes, which include carotenes, tocopherols, terpenes, sterols, and polyphenols. These natural antioxidants obtained from food waste may be used to formulate functional foods or can be used as food additives

A lot of antioxidants, such as carotenoids, phenolic compounds, vitamin C, and dietary fibers, are found in mango peel. These compounds have reported activity against many degenerative diseases, such as Alzheimer's disease, cataracts, cancer, and Parkinson's disease. The wastes of wine-making industry include degradable solids such as skin, stem, and seeds, which contain many antioxidants that have shown to prevent many degenerative processes and possess health promoting effects. *Pujol et al.* reported that the coffee wastes from the coffee industry contains approximately 6% polyphenols and about 4% tannins. Antioxidant ingredients from various sources of fruit waste have been presented.



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Antioxidant	EC number
L-Ascorbic acid	E300
Sodium L-ascorbate	E301
Calcium L-ascorbate	E302
Potassium L-ascorbate	E303
Fatty acid esters of ascorbic acid esters	E304
I. Ascorbyl palmitate	
II. Ascorbyl stearate	
Mixed tocopherols concentrate (natural)	E306
Alpha-tocopherol (synthetic)	E307
Gamma-tocopherol (synthetic)	E308
Delta-tocopherol (synthetic)	E309
Propyl gallate	E310
Octyl gallate	E311
Dodecyl gallate	E312
Erythorbic acid	E315
<i>tert</i> -Butylhydroquinone (TBHQ)	E319
Butylated hydroxyanisole (BHA)	E320
Butylated hydroxytoluene (BHT)	E321
Lecithins	E322
Citric acid	E330
L-Tartaric acid	E334

Fig.2 Antioxidants and acid



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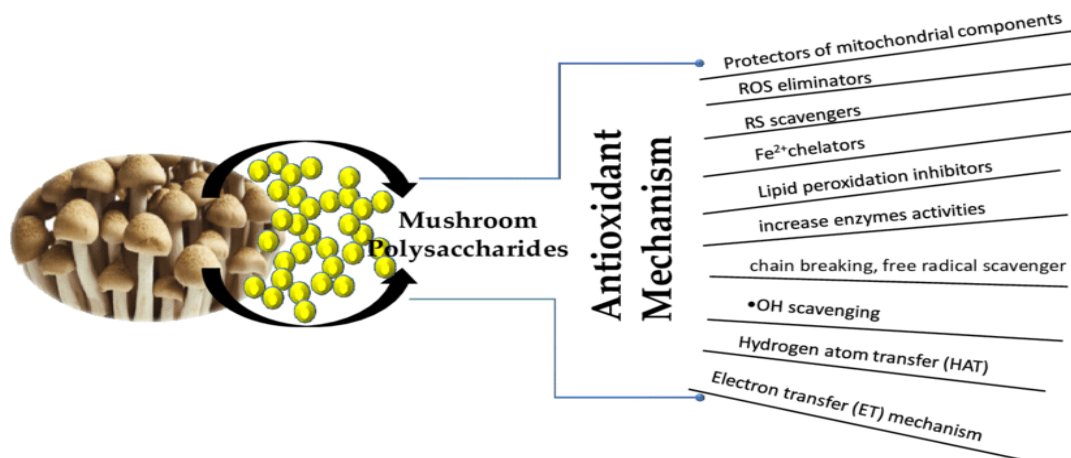
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5.2 Mushrooms as antioxidant



In the nutrition world, mushrooms are delegated vegetables; however, they are not actually plants. They have a place with the kingdom of fungi. In spite of the fact that they are not vegetables, mushrooms give imperative supplements. Mushrooms are considered as healthfully utilitarian sustenance and also source of valuable medicines. Numerous consumable mushrooms (for the most part Basidiomycetes) are great wellsprings of important nutritive components including carbohydrates, for example, β -glucans; lipids: B- vitamins, such as niacin, flavin, and pyridoxine; phenolics, like tocopherols; organic acids, for example, malate ascorbate, fumarate, and shikimate; monoterpenoid and diterpenoid; proteins, for example, hydrophobics; and trace components, for example, selenium. These components are established as to be responsible for immunomodulatory,

antimicrobial, antitumor, antihypertensive, hepatoprotective, and antioxidant activities of mushrooms.

The number of mushrooms on Earth is assessed at 140,000 yet might be just 10% (approximately 15,000 species) are known. Out of approximately 15,000 known species, 2,000 are found safe for human utilization, and around 650 of these contain therapeutic properties. There are a number of mushrooms including *Agaricus bisporus*, *Lentinus edodes*, *Mellea nuda*, *Auricularia auricula*, *Boletus edulis*, *Ganoderma*



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applanatum, Grifola frondosa, Hypsizigus marmoreus, Pleurotus sp., Schizophyllum commune, Termitomyces sp., and Tricholoma sp. that possess antioxidant properties. The antioxidant properties of mushrooms are mainly due to their phenolic compound. The chief phenolic component present in the mushrooms is gallic acid. There is an assortment of phenolic compounds recognized in wild mushrooms, including cinnamic acid, protocatechuic, p-hydroxybenzoic, p-coumaric acids, gallic acid, vanillin, rutin, and quercetin. Polysaccharides are one of the major components in the mushroom. In recent studies, it has been revealed that they contain the antioxidant property. Scavenging properties of polysaccharides are impacted by chemical properties such as atomic weight, level of branching, monosaccharide types, and proportion of monosaccharides. Rhamnose is the most critical determinant factor related to scavenging properties of mushrooms.

5.3.1. Agaricus bisporus

A. Bisporus, also known as white button mushroom native to grasslands in Europe and North America, cultivated in more than 70 countries, possesses polysaccharides and antioxidants including vitamin C, D, B12, folates; and polyphenols. The phenolic composition of methanolic extract from *A. Bisporus* is investigated by HPLC. Polysaccharides

and phenolic compounds such as gallic acid, rutin, caffeic acid, and catechin found in the mushroom are compounds such as gallic acid, rutin, caffeic acid, and catechin found in the mushroom are made them a significant natural antioxidant source.



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5.4. Medicinal plants and spices having antioxidants.



Artichoke
(Silymarin)



Oleander
(Oleanderin)



Tomato
(Lycopene)



Garlic
(Diallyl sulfide, ajoene,
S-allyl cysteine, allicin)



Carrots
(β -carotenes)



Tea
(Catechins)



Red grapes
(Resveratrol)



Red chilli
(Capsaicin)



Turmeric
(Curcumin)



Cloves
(Eugenol &
isoeugenol)



Honey-bee propolis
(Caffeic acid, CAPE)



**Cruciferous
vegetables**
(Sulforaphane)



Pomegranate
(Ellagic acid)



Ginger
(6-Gingerol)



Basil
(Ursolic acid)



Fennel,
(Anethol)



Soybean
(Genistein)



Aloe
(Emodin)



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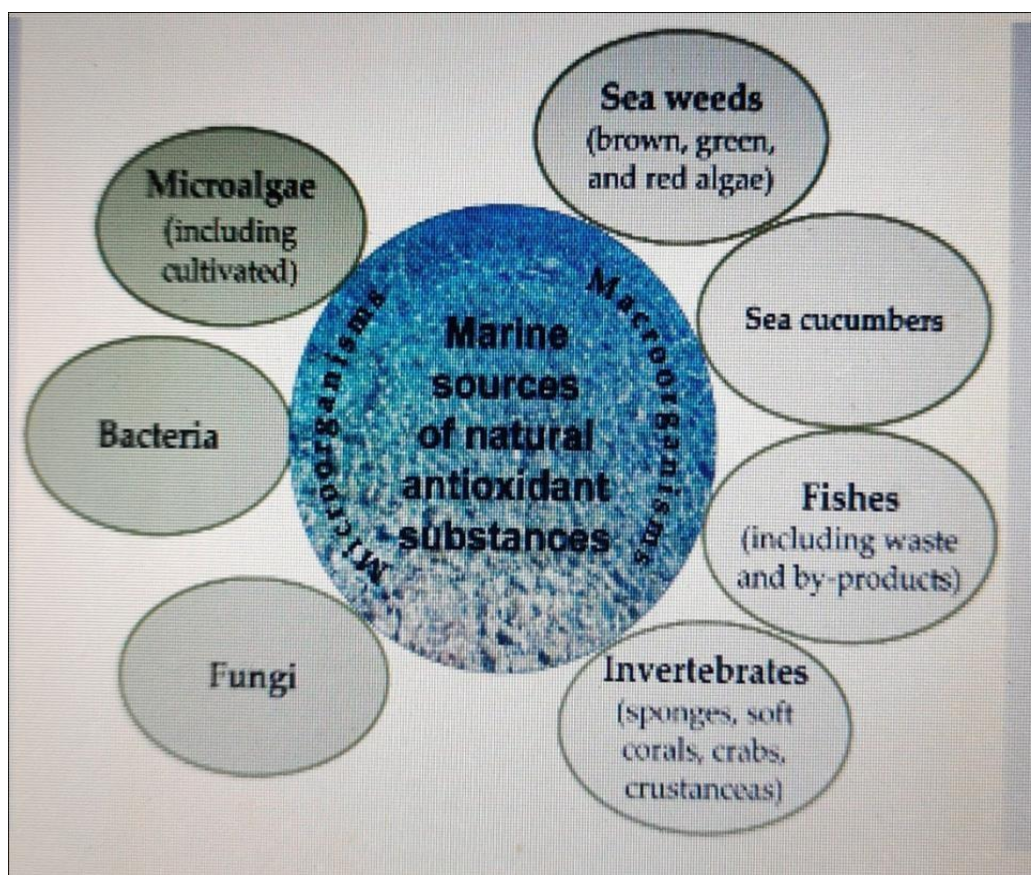
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Antioxidants from marine sources



Marine ecosystem has been reported as a potential source of biodiversity and chemical activities. The organisms living in marine environment are gaining the attention of industries such as pharmaceuticals, nutraceuticals, and cosmetics because of possessing various interesting and useful chemical compounds. Marine biotechnologists are trying to produce the tool for the utilization of marine biodiversity for the production of cheap source of pharmaceutical products and functional foods. Seaweeds and sponges are considered as the richest source of bioactive compounds having the antimicrobial and



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antioxidant activity. Seaweeds and sponges with their associated bacteria have been found to possess

various health-promoting and disease prevention effects due to their phenolic compounds, polysaccharides, and useful organic acids. These are supposed to be the most protective group of foods against environmental pollutants and radiation. Among various other useful compounds, the marine organisms also contain poly phenolic compounds that are responsible for antioxidant activity including flavonoids, benzoic acid, cinnamic acid, gallic acid, quercetin, and phlorotannins. Nonanimal sulfated polysaccharides are reported to have antioxidant activities, which can be obtained from marine algae and other marine organisms from the Phaeophyta group. A large number of different species of algae and microalgae have been studied for the use of their bioactive contents as functional food components. Algae comprised of a huge and complex group of photosynthetic organisms with simple reproductive organs, which can be multicellular, known as macroalgae and unicellular called as microalgae. Algae grow in extremes of environmental conditions such as light, temperature, and salinity, which results in the production of a large number of reactive oxygen species (ROS). To cope with these ROS, algae produce various secondary metabolites with many antioxidant activities such as phycobilins, polyphenols, carotenoids, and vitamins.

[The Safety and Toxicity of Natural Antioxidants](#)

Food additives are subjected to the same strict safety standards regardless of whether they are naturally or synthetically derived. The safety of food additives, in which natural antioxidants are included, is determined by considering potential cumulative effects that are evaluated by the outcome of toxicity studies and from knowledge about the chemical compounds. There are several reports in the literature regarding the importance of safety assessments and toxicological tests carried out on specific natural extracts. As examples, acute and sub chronic toxicological tests were performed for bamboo leaf extracts, which were generally regarded as safe by the authors for use as food additives. In addition, the hydro ethanolic extract of *Dolichandra unguis-cati* leaves did not present relevant toxic



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effects when administered orally to male and female rats under acute and sub acute tests.

The sub chronic toxicity and genotoxicity of the flavonoid rich extract from Maydis stigma were examined. The results exonerate its safe use as a functional food, food additive and natural remedy. Toxicological studies of essential oils with the antioxidant activity of autochthonous- flavouring herbs from Portugal revealed low toxicity in Swiss mice (DL50 > 1000 mg/kg).

However, to use antioxidants in food products, they must undergo premarket approval by the European Food Safety Authority (EFSA) or by the United States Food and Drug Administration, (FDA), which have standard methodologies to assess their safety.



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6. RESULT

Considering the key role of antioxidants to treat oxidative diseases, the development of reliable antioxidant activity assays of different products with high antioxidant content, as potential drugs or supplements, is needed. Several analytical techniques can be applied for this purpose such as spectroscopic, chromatographic, and electrochemical ones. At the beginning of the 2st century, antioxidant assays based on NPs were developed. The use of NPs as optical or electrochemical probes appears to be a very promising approach; however, this technique has still been scarcely followed. Over 5 years of research on the NPs-based method has resulted in a negligible number of publications, which illustrates the fact that in the PubMed database, the phrases “antioxidant capacity”, “nanoparticles”, and “plant extracts” are associated with no more than 70 scientific papers. One should emphasize that performing the comparative analysis of antioxidant potentials on the Materials 2021, 14, 4135, 38 of 54 basis of result published by different research groups is very difficult. The antioxidant potential of natural products, and even single chemicals, depends on many factors such as conditions of samples collections, as well as the extracts preparation method and the way of expressing results.

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7. SUMMARY

- The process of oxidation in the human body produces unstable chemicals called free radicals, which damage cell membranes and other structures.
- Free radicals have been linked to a variety of diseases (including heart disease and certain cancers).
- Antioxidants are compounds in foods that scavenge and neutralize free radicals.
- Evidence suggests that antioxidant supplements do not work as well as the naturally occurring antioxidants in foods such as fruits and vegetables.

The process of oxidation in the human body damages cell membranes and other structures, including cellular proteins, lipids and DNA. When oxygen is metabolism it creates unstable molecules called 'free radicals', which steal electrons from other molecules, causing damage to DNA and other cells.

The body can cope with some free radicals and needs them to function effectively. However, the damage caused by an overload of free radicals over time may become irreversible and lead to certain diseases (including heart and liver disease) and some cancers (such as oral, oesophageal, stomach and bowel cancers).

Oxidation can be accelerated by stress, cigarette smoking, alcohol, sunlight, pollution and other factors.

8.

CONCLUSION



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An increasing interest has been observed from the past decade in exploring the natural ingredients to be used in the food and food products. The researchers from all over the world are focusing on the alternate sources other than the synthetic one, which will be safer and more convenient as dietary component. Although there are no such harmful reports have been observed regarding the use of synthetic antioxidants however the consumer's interest is also compelling toward the nature close products. Moreover, the synthetic antioxidants and preservatives in the food may lead to lipid peroxidation and deterioration of food flavor and quality. The use of natural herbs, spices, and plant ingredients is in practice from the ancient times and still practiced in the traditional food preparation as preservative, aroma, and flavor. This chapter is an effort to overview the potentials of various natural sources having reasonable antioxidant potential. The literature reports compiled here will be beneficial to identify the significance of various natural sources based on their antioxidant capacity, active ingredients, and geographic availability. This chapter reveals that people can prioritize their dietary habits based on the antioxidant potential and cost-effectiveness of the available source because 70–80% of the world population cannot afford the modern supplement and medicines.



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9. REFERENCE

1. Brewer M. Natural antioxidants: Sources, compounds, mechanism of action and potential applications. *Comprehensive Reviews in Food science and Food safety*. 2011;**10**(4);221-247
2. Miguel MG. Antioxidant and anti-inflammatory activities of essential oil: A short review. *Molecules*. 2010;**15**(12):9252-9287
3. Valko M *et al*. Free radicals and antioxidants in normal physiological functions and human disease. *The International Journal of Biochemistry & Cell Biology*. 2007;**39**(1):44-84
4. Ramalakshmi K, Kubra IR, Rao LJM. Antioxidant potential of low-grade coffee beans. *Food Research International*. 2008;**41**(1):96-103.
5. Dembinska-Kiec A *et al*. Antioxidant phytochemicals against type 2 diabetes. *British Journal of Nutrition*. 2008;**99**(E- S1):ES109-ES117.
6. Cao G *et al* Serum antioxidant capacity is increased by consumption of strawberries, spinach, red wine or vitamin C in elderly women. *The Journal of Nutrition*. 1998; **128**(12):2383- 2390
7. Shebis Y *et al*. Natural antioxidants: Function and sources. *Food and Nutrition Sciences*. 2013;**4**(06):643.
8. Binic I *et al*. Skin ageing: Natural weapons and strategies. *Evidence-based Complementary and Alternative Medicine*. 2013;**2013**.
9. Slavin JL, Lloyd B. Health benefits of fruits and vegetables. *Advances in Nutrition*. 2012;**3**(4):506-516.
10. Nahak G, Suar M, Sahu RK. Antioxidant potential and nutritional values of vegetables: A review. *Research Journal of Medicinal Plant*. 2014;**8**(2):50-81
11. Sonia N, Mini C, Geethalekshmi P. Vegetable peels as natural antioxidants for processed foods—a review. *Agricultural Reviews*. 2016;**37**(1):35-41.



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12. Mirabella N, Castellani V, Sala S. Current options for the valorization of food manufac-turing waste: A review. *Journal of Cleaner Production*. 2014;**65**:28-41.
13. Baiano A. Recovery of biomolecules from food wastes-A review. *Molecules*.2014;**19**(9):14821-14842
14. *Kalo geropoulos N et al.* Bioactive phytochemicals in industrial tomatoes and their pro-cessing by products. *LWT- Food Science and Technology*. 2012;**49**(2):213-216.
15. *Ayala-Zavala J et al.* Antioxidant enrichment and antimicrobial protection of fresh-cut fruits using their own byproducts: Looking for integral exploitation. *Journal of Food Science*. 2010;**75**(8).
16. *Teixeira A et al.* Natural bioactive compounds from winery by- products as health pro-moters: A review. *International Journal of Molecular Sciences*. 2014;**15**(9):15638-15678.
17. *Pujol D et al.* The chemical composition of exhausted cofee waste. *Industrial Crops and Products*. 2013;**50**:423-429.
18. *Pan H et al.* Puriication and identiication of a polysaccharide from medicinal mush- room *Amauroderma rude* with immuno modulatory activity and inhibitory effect on tumor growth. *Oncotarget*.2015;**6**(19):17777.



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ICT enabled tools



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Teachers use ICT enabled tools for effective teaching-learning process.

INDEX

SR.NO	PERTICULARS	DOCUMENTS
1	List Of Fulltime Teacher Using Ict Tools	View document
2	Learning Management System	View document
3	Academic Monitoring System	View document

- ✓ The faculty members use following ICT-enabled tools in the teaching learning process Computers with internet connection provided to all the faculty members for access to e-content. The faculty members use LCD projectors in the class room for teaching using power point presentations. The class rooms are equipped with smart boards and are used by faculty members providing an interactive platform whereby different forms of media-including photographs, videos, graphs, charts etc. are used for better understanding of the content. Internet connection provided in the classroom is used by the faculty members to show the online video content with regard to the subject content.
- ✓ The molecular docking software is used by the faculty members to teach drug-receptor interaction and steps involved in drug design and discovery. The faculty members from chemistry department use Chem Draw Ultra software to teach students on how to draw chemical structure and calculation of molecular properties molecular weight, density, molecular refractivity etc. The simulation software is used by the faculty members in pharmacology



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laboratory as an alternative to animal experiments to demonstrate the effect of drugs on various models.

- ✓ The faculty members and students use Quality by Design (QbD) Software while doing research projects in formulation development/analytical method development using QbD approach.
- ✓ The faculty downloads webinars available online and shows these webinars to the students providing experts insights on the subject. The faculty members also attend live webinars to update themselves with the latest developments in the subject.
- ✓ The subject related content i.e., notes/power point presentations/question bank/important weblinks etc. are uploaded on the vmedulife giving 24 X 7 accesses to the students. Instrument room: Instrument room is having different sophisticated instruments such as HPLC, FTIR, UV spectroscopy. These instruments are working on different software which is available in college and students used IR software , UV software, HPLC software while performing practical on above mentioned instruments.
- ✓ Internet connectivity: The faculty members also use Wi-Fi connectivity in college as well as campus premises as and when required to solve subject related difficulties of students.
- ✓ Digital library: Digital library facility is available in the college library. All students and staff members access e-journals. The faculty members/students also access e-books available on Jaykar library SPPU/National Digital Library/and British Library. The language lab software is used by the faculty member that provides comprehensive study material to enrich the language skills of the students.

LIST OF FULLTIME TEACHER USING ICT TOOLS IN DETAILS



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Sr. No.	Name of the Teachers	Digit al Libr ary	LCD Proj ecto r	Web inar	Sma rt boar d	Web site and libra ry	Instru ment al room	Video some topic from syllabus	Quality by design softwa re	Vmed ulife
1	Dr. Kamble Hemant Vinayak	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	Dr. Mohan Radhakishan Agrawal	✓	✓	✓	✓	✓	✓	✓		✓
3	Dr. Madanrao Mane	✓	✓	✓	✓	✓	✓	✓	✓	✓
4	Ms. Choudhari Bhavana Prakash	✓	✓	✓	✓	✓	✓	✓	✓	✓
5	Mis. Vrushali Atul Joshi	✓	✓	✓	✓	✓	✓	✓		✓
6	Ms. Toge Sonali Vitthal	✓	✓	✓	✓	✓	✓	✓	✓	✓
7	Mr. Kharde Sagar Nanasaheb	✓	✓	✓	✓	✓	✓	✓	✓	✓
8	Mr. Kopnar Vishal Pandit	✓	✓	✓	✓	✓	✓	✓	✓	✓
9	Mr. Parkale Dhanraj Lalasaheb	✓	✓	✓	✓	✓	✓	✓	✓	✓
10	Mr. Dhoble Avinash Vasudev	✓	✓	✓	✓	✓	✓	✓	✓	✓
11	Mr. Dube AkshayMaruti	✓	✓	✓	✓	✓	✓	✓	✓	✓
12	Ms. Telange Patil Pooja Vasantrao	✓	✓	✓	✓	✓	✓	✓	✓	✓
13	Ms. Urade Bhakti Vijay	✓	✓	✓	✓	✓	✓	✓	✓	✓
14	Ms. Najan Anita Arjun	✓	✓	✓	✓	✓	✓	✓	✓	✓
15	Ms. Shital Balasaheb Kshirsagar	✓	✓	✓	✓	✓	✓	✓	✓	✓
16	Mr. Dhawale Sachin Ashok	✓	✓	✓	✓	✓	✓	✓	✓	✓



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17	Phule Sonal Arun	✓	✓	✓	✓	✓	✓	✓	✓	✓
18	Bhujbal Akshay Eknath	✓	✓	✓	✓	✓	✓	✓	✓	✓
19	Garje Mayur Mohan	✓	✓	✓	✓	✓	✓	✓	✓	✓
20	Shingne Snehal Savtaram	✓	✓	✓	✓	✓	✓	✓	✓	✓
21	Mahajan Ashvin Kailas	✓	✓	✓	✓	✓	✓	✓	✓	✓
22	Mr. Jondhale Yogesh Tanaji	✓	✓	✓	✓	✓	✓	✓	✓	✓
23	Mr. Harole Mangesh Gahinaji	✓	✓	✓	✓	✓	✓	✓	✓	✓
24	Mr. Gadadhe Vikas Laxman	✓	✓	✓	✓	✓	✓	✓	✓	✓
25	Mr. Rasave Vishal Ramesh	✓	✓	✓	✓	✓	✓	✓	✓	✓
26	Kothari Pratiksha Pradeep Kumar	✓	✓	✓	✓	✓	✓	✓	✓	✓
27	Bodhak Ashitosh Santosh	✓	✓	✓	✓	✓	✓	✓	✓	✓
28	Tele Dattatray Sonba	✓	✓	✓	✓	✓	✓	✓	✓	✓
29	Mr. Kale Pranit Balaso	✓	✓	✓	✓	✓	✓	✓	✓	✓
30	Dr. Pawar Pravin Devidas	✓	✓	✓	✓	✓	✓	✓	✓	✓
31	Mr. Jadhav Pravin Ramchandra	✓	✓	✓	✓	✓	✓	✓	✓	✓
32	Ms. Jadhav Sonali Nandu	✓	✓	✓	✓	✓	✓	✓	✓	✓
33	Mr. Satpute Vivek Mahavir	✓	✓	✓	✓	✓	✓	✓	✓	✓
34	Mr. Cholke Pravin Balasaheb	✓	✓	✓	✓	✓	✓	✓	✓	✓
35	Ms. Nagare Sonali Ashok	✓	✓	✓	✓	✓	✓	✓	✓	✓
36	Ms. Dhambore Bhagyashri Ramdas	✓	✓	✓	✓	✓	✓	✓	✓	✓
37	Mr. Gaikwad Annasaheb Sanjay	✓	✓	✓	✓	✓	✓	✓	✓	✓



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38	Mr. Wani Rakesh Machindra	✓	✓	✓	✓	✓	✓	✓	✓	✓
39	Ms. Temak Yogita Sunil	✓	✓	✓	✓	✓	✓	✓	✓	✓
40	Ms. Shende Sangita Bhausahab	✓	✓	✓	✓	✓	✓	✓	✓	✓
41	Ms. Salve Megha Tukaram	✓	✓	✓	✓	✓	✓	✓	✓	✓
42	Mr. Bhagat Mangesh Dinkar	✓	✓	✓	✓	✓	✓	✓	✓	✓
43	Ms. Darandale Supriya Shankarao	✓	✓	✓	✓	✓	✓	✓	✓	✓
44	Mr. Anwasha Anjan Mukherjee	✓	✓	✓	✓	✓	✓	✓	✓	✓

Digital Library

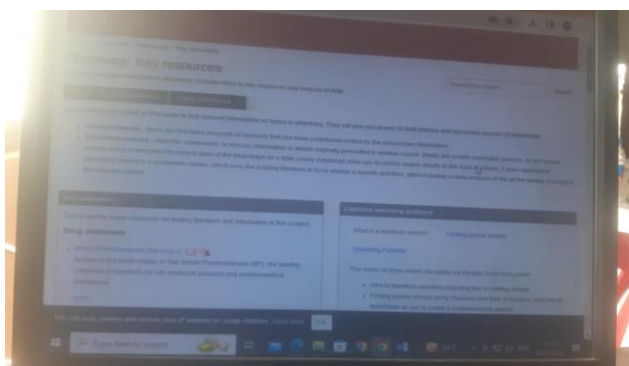
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