

॥ पढमं माजं सजो ददा ॥



Shri Jain Vidya Prasarak Mandal's

**Rasiklal M. Dhariwal Institute of
Pharmaceutical Education & Research**



[Formerly Shri Fattechand Jain College of Pharmacy (B.Pharm.)]

Approved by PCI, AICTE, New Delhi, DTE Code : PH-6823 & Affiliated to Savitribai Phule Pune University (PU/PN/Pharm/448/2014)

NAAC Accredited with A+ (CGPA - 3.46)

6.5.3

**QUALITY ASSURANCE
INITIATIVES OF THE
INSTITUTION**



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REGULAR MEETING OF INTERNAL QUALITY ASSURANCE CELL (IQAC)





Ref : RMDIPER/IQAC/2022-23/03

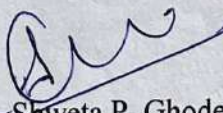
Date :09/07/2022

NOTICE

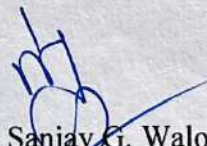
All the members of Internal Quality Assurance Cell (IQAC) are hereby informed that the meeting of IQAC is scheduled on 12/07/2022 at 4.00 pm at Board room. All the members of IQAC are requested to attend the meeting.

The Agenda of meeting is as follows:

1. Approval of last meeting held on 08/04/2022
2. Medicinal Garden Upgradation
3. Solar Project feedback
4. NAAC: Filling of IIQA and SSR
5. Museum: Central and Departmental
6. PCI Inspection and Documents filing
7. Co-curricular activities
8. Library Upgradation
9. Alumni Association
10. Curricular : Exam and Academics (ERP software)
11. Programs organized under IIC and IQAC
12. Training and placement activities
13. Regulatory further proceedings
14. Maintenance and Purchase as per PCI and NAAC


Dr. Shweta P. Ghode
IQAC Co-ordinator




Dr. Sanjay G. Walode
Principal and IQAC Chairman
PRINCIPAL

Rasiklal M. Dhariwal Institute of
Pharmaceutical Education & Research
Chinchwad Station, Pune-411019



IQAC meeting is scheduled on 12/07/2022 at 4.00 P.M. at Board room

Following members received the notice meeting:

Sr. No.	Name of Member	Designation of Committee	Signature
1.	Shri. Prakashchandji Rasiklalji Dhariwal	President	
2.	Shri. Adv. Rajendrakumarji S. Mutha	One Member from Management	
3.	Shri. Rajeshkumarji N. Sankla	Nominee from Employer	
4.	Dr. Sanjay G. Walode	Chairperson (Principal)	
5.	Mr. Sachin D. Rede	Teacher	
6.	Mr. Anand P. Kakde	Teacher	
7.	Mr. Dhiraj V. Panke	Teacher	
8.	Ms. Priyanka N. Chhajed	Teacher	
9.	Dr. Vishnu S. Neharkar	Senior Administrative Officer	
10.	Mr. Rajendra Tanaji Gawade	Nominee from Local Society	
11.	Mr. Chetan S. Taware	Nominee from Alumni	
12.	Mr. Yash R. Bamb	Nominee from Student	
13.	Mr. Vinodji K. Mutha	Nominee from Industry	
14.	Mr. Hemaram Sirvi	Nominee from Stakeholder (Parent)	
15.	Dr. Shweta P. Ghode	Coordinator IQAC	





Ref :RMDIPER /IQAC/2022-23/ 03

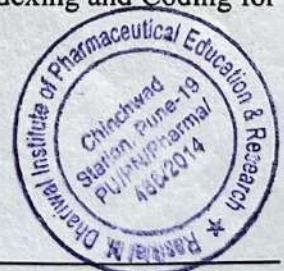
Date :12/07/2022

IQAC Minutes of Meeting Held on 12/07/2022

IQAC coordinator welcomes and briefed the committee members about agenda. With the exhaustive discussion of IQAC members on following agenda, following resolutions were made.

The Agenda of meeting is as follows:

- 1. Approval of last meeting held on 08/04/2022:** Explained all the action taken and resolutions made on the points discussed in last meeting.
- 2. Medicinal Garden Upgradation:**
Discussed about the development of Medicinal garden, preparation and allocation of the plant name board in the respective places, updation of plant list.
- 3. Maintenance of Solar Panels:** Need to communicate with Team of Bipin Engineers for Solar Project for proper generation and consumption of units. Need to provide lane connection or router near to inverter to know online for proper generation and consumption of units.
- 4. NAAC (Filling of IIQA and SSR):** Need to verify all necessary documents for filling of IIQA and QIM and QnM documents for the filling of SSR as per guidelines given in NAAC manual. Need to increase capacity of Website drive upto 10 GB for uploading of SSR data. Need to get permission from Management for the payment of IIQA and first installment while filling SSR. Continuous follow-up of DVV clarification must be check if any after submission of SSR. Issuing of files to staff for NAAC documentation. Need of the format for Indexing and Coding for the NAAC documents.





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5. Museum (Central and Departmental): Updation in centralized drug museum and departmental museum.

6. PCI Inspection and Documents filing: PCI inspection file should be ready as per SIF prepared. Mock PCI inspection must be conducted before final PCI inspection.

7. Co-curricular activities: Celebration of different activities like "Shivrajyabhishek Din", "Har Ghar Tiranga activity on 75th Independence Day, "National Anthem" activity, Teacher's Day celebration on 05/09/2022, SJVPM's Foundation day programme on 08/09/2022, College level "AVISHKAR" Poster presentation competition, "Navaratri celebration activity for staff and students, Pharmacist Day on 25/09/22, Career Guidance and soft skills programs etc.

8. Library Upgradation: Renewal of DELNET membership, Renewal of Website domain name, Barcodes of students membership, Maintenance of damaged books, Collection of rare books, book recommendations from faculty for purchasing of books for A.Y.2022-23.

9. Alumni Association: Formation of Alumni association and registration of alumni committee through Charity Commissioner followed by legal formalities need to be done on priority.

10. Curricular activities: Exam, Academics, GPAT, Data Updation in VM Edulife ERP software Preparation for SPPU Theory and Practical Examination Apr/May-2022, Updation of mother register for the filling the internal marks, Conduction of re-sessional if any students absent on medical backround, Preparation of Audit file of SPPU Theory and Practical Examination Apr/May-2022, Exam duty remuneration received by SPPU for Examination Nov/Dec-2021. Academics: GPAT Exam Preparation, regular monitoring of attendance, completion of syllabus of Theory and Practicals, Certification of Journals, Implementation and Updation of data at ERP software. Regular attendance for the ERP software demonstrations related to different portfolios.

11. Programs organized under IIC and IQAC: Committee has been advised to organize World Environment day by conducting some Tree Plantation activity, International Yoga day under IIC





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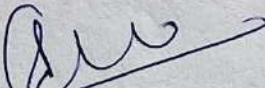
and IQAC. World Entrepreneur's day and Pharmacovigilance week can be celebrated by organizing a seminar for staff and students.

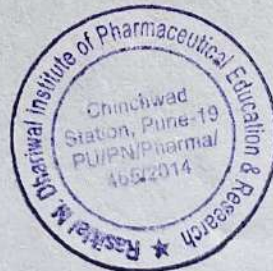
12. Training and placement activities: Communication is in process with life Pharmacy Dubai for campus drive for Final year students batch AY 2021-22. Students are encouraged to undergo one month Hospital training along with collection of certificate. Communications with IFEDORA are also in process for the placement drive for the post of medical writing and coding.

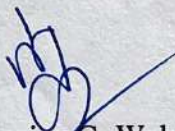
13. Regulatory further proceedings: Submission of Institute Annual Report for academic year 2021-22 by online on SPPU portal. Submission of Intake approval through online mode for Admission process of F. Y .B. Pharm 2022-23. Submission of Proposal for Facilitation Centre for Admission process 2022-23. Submission of State Level seminar proposal on SSPU Portal. Submission of Affiliation for A.Y.2023-24 online on SPPU portal. Submission of SPPU affiliation compliance for A. Y, 2022-23 to university. Submission of PCI compliance for EC meeting decision online on institute dashboard. PCI Appeal for increase in intake FC verification of F.Y. B. Pharm students.

14. Maintenance and Purchase as per PCI and NAAC:

As per PCI SIF for increase in take of 100 students and as per NAAC, need to purchase Equipments for laboratories, Benches in classrooms, Smart boards in classroom, Committee Boards for Display, Computers in computer lab, Xerox machine, Printer (Color and black and white), Sports accessories for indoor and outdoor sports, Welcome board, Slotted angle racks for keeping chemicals and students bags, Cupboards (small and large) for the proper arrangement of files, Book case for library. Need of rain water harvesting project to be installed as per requirement of NAAC Criteria. Regular audit of Green Environment, Energy need to be done.


Dr. Shweta P. Ghode
IQAC Co-ordinator




Dr. Sanjay G. Walode
Principal and IQAC Chairman
PRINCIPAL
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Chinchwad Station, Pune-411019



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IQAC meeting is scheduled on 12/07/2022 at 4.00 P.M. at Board room

Following members received the notice meeting:

Sr. No.	Name of Member	Designation of Committee	Signature
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2.	Shri. Adv. Rajendrakumarji S. Mutha	One Member from Management	
3.	Shri. Rajeshkumarji N. Sankla	Nominee from Employer	
4.	Dr. Sanjay G. Walode	Chairperson (Principal)	
5.	Mr. Sachin D. Rede	Teacher	
6.	Mr. Anand P. Kakde	Teacher	
7.	Mr. Dhiraj V. Panke	Teacher	
8.	Ms. Priyanka N. Chhajed	Teacher	
9.	Dr. Vishnu S. Neharkar	Senior Administrative Officer	
10.	Mr. Rajendra Tanaji Gawade	Nominee from Local Society	
11.	Mr. Chetan S. Taware	Nominee from Alumni	
12.	Mr. Yash R. Bamb	Nominee from Student	
13.	Mr. Vinodji K. Mutha	Nominee from Industry	
14.	Mr. Hemaram Sirvi	Nominee from Stakeholder (Parent)	
15.	Dr. Shweta P. Ghode	Coordinator IQAC	



**ACTION TAKEN REPORT****INTERNAL QUALITY ASSURANCE CELL****IQAC Meeting held on 12/07/2022**

Agenda	Action Taken
Medicinal Garden Upgradation:	Updated plant list. Prepared and allocated plant name boards in the respective places of Medicinal garden. Placed board at Medicinal Garden named as "Amrut Baug".
Maintenance of Solar Panels:	Communicated with Team of Bipin Engineers for Solar Project for proper generation and consumption of units. Lane connection or router near Inverter yet to place.
NAAC (Filling of IIQA and SSR, DVV Clarification):	Verified all necessary documents for filling of IIQA and QIM and QnM documents for the filling of SSR as per guidelines given in NAAC manual. Increased capacity of Website drive upto 10 mbps for uploading of SSR data. Payment of IIQA and first installment while filling SSR done with permission of Management. Submitted IIQA on 06/07/2022 and accepted IIQA on 11/07/2022. Submitted SSR on 24/08/2022. Received DVV clarification on 08/09/2022. Submitted DVV clarification on 23/09/2022. Expected Peer Team visit in Dec. 2022. Issued files to staff for NAAC documentation. Format for Indexing and Coding for the NAAC documents has been provided to staff.
Museum (Central and Departmental):	Centralized drug museum and departmental museums are ready and placed at their right locations.
PCI Inspection and Documents filing:	Mock PCI inspection done and Final PCI inspection done on 07/09/2022 with the satisfactory response.
Co-curricular activities:	Celebrated "Shivrajyabhishek Din" on 06/06/2022 by conducting Essay writing competition Celebrated "Har Ghar Tiranga activity on 75 th Independence Day on 15.08.2022. Organized "National Anthem" activity, Teacher's Day celebration on 05/09/2022, SJVPM's Foundation day programme on 08/09/2022, College level "AVISHKAR" Poster presentation competition on 15/09/2022, "Navaratri celebration activity for staff and students by conducting Dandiya and Garba. Celebrated Pharmacist Day on 25/09/22 by organizing poster presentation competition, Pharma rally, Street play





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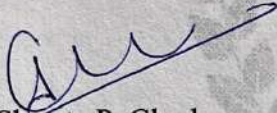
	conducted by Final Yr. Students etc. Organized seminar on topic "Science of Mind" in association with AKI Learning skills India PVT Ltd on 24/09/2022 as career guidance and soft skills programs.
Library Upgradation:	Completed renewal of DELNET membership, renewal of Website domain name, Barcodes of students membership, Maintenance of damaged books, book recommendations from faculty for purchasing of books for A.Y.2022-23. Collection of rare books yet to be done.
Alumni Association:	Alumni association formed and received certificate on 22/09/2022.
Curricular activities:	Exam, Academics, GPAT, Data Updation in VM EDU ERP software. Updated mother register for the filling the internal marks, Conducted of re-session if any students absent on medical backround, Conducted SPPU Theory and Practical Examination Apr/May-2022, Prepared Audit file of SPPU Theory and Practical Examination Apr/May-2022. Academics: GPAT lecture and test conducted for TY and Final Year students. Attendance was monitored regularly, feedback was taken for the completion of syllabus of Theory and Practicals, Certification of Journals done, Implemented and Updated data at ERP software. Attended regular meetings for the ERP software demonstrations related to different portfolios.
Programs organized under IIC and IQAC:	Organized seminar on Clinical Trials and Pharmacovigilance on 30 th sept. for TY and Final Year by Dr. Trupti Deshpande. Celebrated World Environment day by conducting some Tree Plantation activity and International Yoga day under IIC and IQAC.
Training and placement activities:	Communicated with life Pharmacy Dubai for campus drive. Final year students were encouraged to undergo one month Hospital training along with collection of certificate from students. Conducted placement drive of Life Pharmacy Dubai on 5 th September for pass out batch AY 2021-22.2. Conducted placement drive of IFEDORA for the post of medical writing and coding on 24 th September 2022 for pass out batch AY 2021-22.
Regulatory further proceedings:	Submitted Institute Annual Report for academic year 2021-22 by online on SPPU portal. Submitted Intake approval through online mode for Admission process of F. Y .B. Pharm 2022-23. Submitted Proposal for Facilitation Centre for Admission process 2022-23. Submitted State Level seminar proposal on SPPU Portal. Submitted Affiliation for A.Y.2023-24 online on SPPU portal. Submitted SPPU affiliation compliance report for A. Y. 2022-23 to University.





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	Submitted PCI compliance report for EC meeting decision online on institute dashboard. PCI Appeal for increase in intake, FC verification of F.Y. B. Pharm students, Institute Level admission is in process.
Maintenance and Purchase as per PCI and NAAC	As per PCI SIF for increase in take of 100 students and as per NAAC, purchased new equipments in laboratories, Benches in classrooms, Smart boards in classroom, Committee Boards for Display, Computers in computer lab, Xerox machine, Printer (Color and black and white), Sports accessories for indoor and outdoor sports, Welcome board, Slotted angle racks for keeping chemicals and students bags, Cupboards (small and large) for the proper arrangement of files, Book case for library. Installed rain water harvesting project as per requirement of NAAC Criteria. Completed regular audit of Green and Energy Environment. Painting of college, electrification work, and Curtains work are in process.


Dr. Shweta P. Ghode
IQAC Co-ordinator




Dr. Sanjay G. Walode

Principal and IQAC Chairman
PRINCIPAL
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Ref: RMDIPER/IQAC/2022-23/04

Date: 19/10/2022

NOTICE

All the members of Internal Quality Assurance Cell (IQAC) are hereby informed that the meeting of IQAC is scheduled on 20/10/2022 at 2.00 pm at Board room. All the members of IQAC are requested to attend the meeting.

The Agenda of meeting is as follows:

1. Approval of last meeting held on 12/07/2022
2. Research Publications with collaborating National/ International institutes
3. Updating Academic Information in ERP software
4. Regulatory work
5. Curricular activities like Academics, Examination.
6. Faculty Development program under IQAC and IIC.
7. Conduct a Guest Lecture and campus drive under Training and Placement
8. Extracurricular activities like Days celebration and Competitions, Sports, NSS, SWO, Alumni meet, Magazine
9. NAAC updates

Dr. Shweta P. Ghode
IQAC Co-ordinator

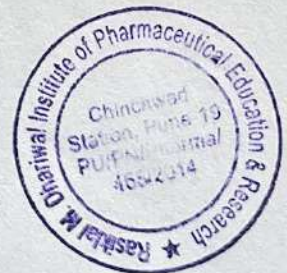


Dr. Sanjay G. Walode
Principal and IQAC Chairman
PRINCIPAL
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Chinchwad Station, Pune-411019



Following members received the notice for meeting held on 20/10/2022

Sr. No.	Name of Member	Designation of Committee	Signature
1.	Shri. Prakashchandji Rasiklalji Dhariwal	President	
2.	Shri. Adv. Rajendrakumarji S. Mutha	One Member from Management	
3.	Shri. Rajeshkumarji N. Sankla	Nominee from Employer	
4.	Dr. Sanjay G. Walode	Chairperson (Principal)	
5.	Mr. Sachin D. Rede	Teacher	
6.	Mr. Anand P. Kakde	Teacher	
7.	Mr. Dhiraj V. Panke	Teacher	
8.	Ms. Priyanka N. Chhajed	Teacher	
9.	Dr. Vishnu S. Neharkar	Senior Administrative Officer	
10.	Mr. Rajendra Tanaji Gawade	Nominee from Local Society	
11.	Mr. Chetan S. Taware	Nominee from Alumni	
12.	Mr. Yash R. Bamb	Nominee from Student	
13.	Mr. Vinodji K. Mutha	Nominee from Industry	
14.	Mr. Hemaram Sirvi	Nominee from Stakeholder (Parent)	
15.	Dr. Shweta P. Ghode	Coordinator IQAC	





Ref :RMDIPER/IQAC/2022-23 / 04

Date :20/10/2022

IQAC Minutes of Meeting Held on 20/10/2022

IQAC coordinator welcomes and briefed the committee members about agenda. With the exhaustive discussion of IQAC members on following agenda, following resolutions were made.

Agenda 1: Research Publications with collaborating National/ International institutes

- 1) Research Publications with collaborating National/ International institutes must be done
- 2) Publication of Edited Research Books with Elsevier, T&F and Wiley.
- 3) Filing India and International Patent for Grants
- 4) Proposal to develop MoUs with National/ International organizations
- 5) Develop Collaborations/ Linkages with National/ International Academic Institutes (under MoU) for research activities

Agenda 2: Implementation of Academic Information in ERP software

- 1) Updating Academic Information in ERP software
- 2) Journal Checking and Certification before Practical Exam
- 3) Revision of Academic Calendar and preparation of Time Table for F.Y B. Pharm.
- 4) Syllabus must be completed before 03/12/2022 of Final Year B.Pharm and before 10/12/2022 S.Y. and T.Y.

Agenda 3: Regulatory work

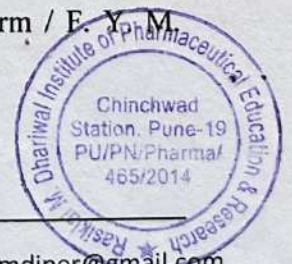
- 1) Application for increase in intake for academic year 2023-24 and submission online on SPPU portal.
- 2) Fees fixation proposal submission for academic year 2023-24.
- 3) NIRF institute registration.
- 4) PCI compliance (Affidavit) for increase in Intake from 60 to 100 for A Y 23-24.

Agenda 4: Examination

- 1) Filling of SPPU Examination Nov/Dec-2022 form.
- 2) Second Sessional Theory and Practical Examination (SY, TY and Final Year)
- 3) First Sessional Theory and Practical Examination (FY, DSY)

Agenda 5: Admission

Document verification and confirmation of F. Y. B. Pharm/ Direct S. Y. B. Pharm / F. Y. M Pharm through college facilitation centre.





Agenda 6: Faculty Development program under IQAC and IIC

- 1) Need to conduct Faculty Development programs on teaching technologies, assessment and evaluation, leadership and administrative skills under IIC and IQAC.
- 2) Motivated to staff for attending FDP, STTP, workshops, research activities, paper presentation and publication, writing books and book chapters etc.

Agenda 7: Extracurricular activities like Days celebration and Competitions, Sports, NSS, SWO, Alumni meet, Magazine

- 1) Celebration of Navaratri Festival by organizing Garba-Dandiya for Staff and students
- 2) Celebration of "Wachan Prerana Din" on account of birth anniversary of Dr. APJ Abdul Kalam, Former president of India by organizing various activities.
- 3) Planning for the Intercollegiate competitions for sports
- 4) Probable Inauguration of Magazine PHARMACIA- 5 in Nov. 2022.
- 5) Expected Alumni meet in Dec. 2022.
- 6) Planning for the some Health awareness program for the students.

Agenda 8: NAAC updates

- 1) Provision for the Expected NAAC peer team visit in the month of Dec. 2022.
- 2) Need to collect list of required documents to prepare the files of NAAC of all criteria.
- 3) Preparation of files of NAAC documents with the specific codes for the proper filing.
- 4) Submission of PPT slides from all the Heads of NAAC Criteria.

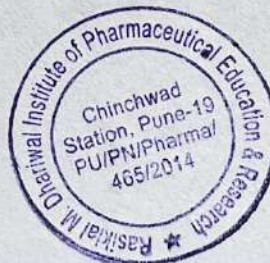
Agenda 9: T and P


- 1) Maximum Communications need to be made to companies for campus interview.
- 2) Vacancy position information and updates to alumni.
- 3) Communication to HR of respective company about performance of students placed.

Agenda 10: Purchase

- 1) Need to purchase cupboards (small and big size) for the arrangement of proper filing in different departments and for NAAC purpose.
- 2) Need to make availability of book case for the Library to arrange newly purchased books.
- 3) Need to repair broken glasses of college building.
- 4) Need to make available some miniatures in the departmental Museum.
- 5) Fitting of the curtains at different places of college like girls common room, boys common room, classrooms, Staff rooms, Principal cabin etc.
- 6) Recreation room for indoor sports.
- 7) Uniform and Apron of Students


Dr. Shweta P. Ghode
IQAC Co-ordinator




Dr. Sanjay G. Walode
Principal and IQAC Chairman
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Manikchand

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Date: 20/10/2022

Following members were present for the meeting:

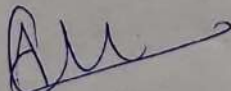
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15.	Dr. Shweta P. Ghode	Coordinator IQAC	



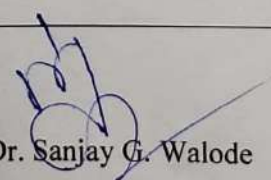


ACTION TAKEN REPORT
INTERNAL QUALITY ASSURANCE CELL
IQAC Meeting held on 20/10/2022

Agenda	Action Taken
1. Research Publications with collaborating National/ International institutes	Published 1 review paper, 4 research paper, 1 book and 2 book chapters in the renowned journals by faculty.
2. Implementation of Academic Information in ERP software	Filled all the academic data in Vmedulife ERP software as regular practice by staff for the updation of documentation.
3. Regulatory work	Submitted Application for increase in intake for academic year 2023-24 online on SPPU portal. Submitted Fees fixation proposal for academic year 2023-24 on FRA portal. 2. Submitted Compliance for SPPU increase in intake to SPPU for academic year 2023-24.
4. Examination	Conducted Second Sessional Practical Examination (Second, Third and Final Year). 2. Collected exam form along with fees and credited in exam bank account. 3. Submitted generated challan of exam form with cheque to bank. Conducted Second Sessional Practical Examination (Second, Third and Final Year). Submitted SPPU Examination Apr/May-2022 Audit File to Account Section of Savitribai Phule Pune University. Conducted SPPU PR examinations
5. Admission	Confirmed Direct S.Y.B.Pharm admission for A.Y.2022-23
6. Faculty Development program under IQAC and IIC	Organised seminar on "Molecular Docking" at RMDIPER on 18 Nov 2022.
7. Extracurricular activities like Days celebration and Competitions, Sports, NSS, SWO, Alumni meet, Magazine	Organized Garba-Dandiya offline programme for students and staff members, Khandenavami Puja on account of Navaratri. A programme was organized for the students on account of birth anniversary of Dr. APJ Abdul Kalam on account of "Wachan Prerana Din" on 15/10/2022. Photographs were uploaded on RO Pune website.


Dr. Shweta P. Ghode
IQAC Co-ordinator




Dr. Sanjay G. Walode
Principal and IQAC Chairman
PRINCIPAL



Ref : RMDIPER/IQAC/2023-24/05

Date : 02/01/2023

NOTICE

All the members of Internal Quality Assurance Cell (IQAC) are hereby informed that the meeting of IQAC is scheduled on 03/01/2023 at 4.00 pm at Board room. All the members of IQAC are requested to attend the meeting.

The Agenda of meeting is as follows:

1. Approval of last meeting held on 20/10/2022
2. Summarize on visit of NAAC peer team at RMDIPER on 21st and 22nd December 2022.
3. Institute accredited by NAAC A+ grade with CGPA 3.46

Dr. Shweta P. Ghode
IQAC Co-ordinator

Dr. Sanjay G. Walode
Principal and IQAC Chairman
PRINCIPAL

Rasiklal M. Dhariwal Institute of
Pharmaceutical Education & Research
Chinchwad Station, Pune-411019





02/01/2023

Following members received the notice meeting scheduled on 03/01/2023

Sr. No.	Name of Member	Designation of Committee	Signature
1.	Shri. Prakashchandji Rasiklalji Dhariwal	President	
2.	Shri. Adv. Rajendrakumarji S. Mutha	One Member from Management	
3.	Shri. Rajeshkumarji N. Sankla	Nominee from Employer	
4.	Dr. Sanjay G. Walode	Chairperson (Principal)	
5.	Mr. Sachin D. Rede	Teacher	
6.	Mr. Dhiraj V. Panke	Teacher	
7.	Ms. Priyanka N. Chhajed	Teacher	
8.	Dr. Vishnu S. Neharkar	Senior Administrative Officer	
9.	Mr. Rajendra Tanaji Gawade	Nominee from Local Society	
10.	Mr. Chetan S. Taware	Nominee from Alumni	
11.	Mr. Yash R. Bamb	Nominee from Student	
12.	Mr. Vinodji K. Mutha	Nominee from Industry	
13.	Mr. Hemaram Sirvi	Nominee from Stakeholder (Parent)	
14.	Dr. Shweta P. Ghode	Coordinator IQAC	



PRINCIPAL

Rasiklal M. Dhariwal Institute of
Pharmaceutical Education & Research
Chinchwad Station, Pune-411019



Ref: RMDIPER/IQAC/2023-24 /05

Date: 03/01/2023

IQAC Minutes of Meeting

Held on 03/01/2023

IQAC coordinator welcomes and briefed the committee members about agenda. With the exhaustive discussion of IQAC members on following agenda, following resolutions were made.

The Agenda of meeting is as follows:

Agenda 1: Approval of last meeting held on 20/10/2022

Explained all the action taken and resolutions were made on the points discussed in last meeting.

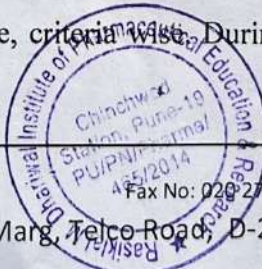
Agenda 2: Summarize on visit of NAAC peer team at RMDIPER on 21st and 22nd December 2022.

With the purpose to assess for accreditation of the college, peer team of the National Assessment and Accreditation Council (NAAC), visited our college on 21st and 22nd December 2022.

The three member peer team included Dr. KRS Sambasiva Rao, Chairman (Former Vice Chancellor, Mizoram University), Dr. Uma Bhandari, Member Coordinator (Professor, Department of Pharmacology, School of Pharmaceutical Education and Research (SPER), Jamia Hamdard), New Delhi and Dr. Bibhuti Bhusana Panigrahi, Member (Principal Om Sai Institute of Paramedical Sciences Dukura, Mayurbhanj) for the two days visit comprised of interactions with the Principal, IQAC, all the Departments, Governing Body, alumni, parents and all the other stakeholders.

DAY 1- 21st December 2022: The team members reached the College campus at 9 am. The Guard of Honour by the Principal, staff and students welcomed the team to the College campus. Later they were given a traditional welcome by our faculty members.

After the welcome ceremony, the team members were seated in the Meeting Room. The presentations started at around 9.30 am with the Principal's comprehensive presentation representing the entire college, criteria wise. During the presentation, the team members sought





required clarifications from him. As per the schedule, the NAAC Coordinator, Dr Shweta P. Ghode escorted the team for a campus visit. The team visited the Classrooms, Laboratories, library, Canteen, Incubation Centre, Sports Room, Auditorium, Medicinal Garden, Gymnasium, Water harvesting plant, solar plant, and Staff room. All the facilities were checked very carefully. Various queries were raised and clarifications sought during college round. After the campus visit, the team had a meeting with the Board of Management along with the invitees viz. University Nominee Dr. Sohan Chitlange, DTE Nominee Mr. Maruti Jadhav. The interaction took place for almost 30 minutes. Later, they proceeded for lunch.

Post lunch session – the team had interactions with various stakeholders in the Smart Classroom. Starting with the current students, the team interacted with the Alumni, then the parents, then the teaching staff and finally the non teaching staff of the College. These interactions were held in a closed room in a confidential manner. The stakeholders were asked about various merits and demerits as well as the future prospects of the College.

After the interaction, the team was taken to Auditorium for the Cultural Program performed by the students of the College. Their performance showcased Patriotism and Social awareness theme. The program started with Navkar Mahamantra followed by Ganesh Vandana and various programs like Gondhal, dance performances, Mime act on woman empowerment and woman harassment, Panchtatv fashion show, group dance on patriotism, Soldier act and program was concluded by Vande Mataram. The team as well as the faculty members enjoyed the Cultural Program.

The team returned to the hotel where they met the IQAC Coordinator and the Principal to decide the course of action for day two of the visit.

DAY 2- 22nd December, 2022: The next day, the team members reached the College campus at 9.30 am. The team visited the Record Room for documentation checking. The team verified all the documents in detail and asked various questions which were successfully answered by the faculty in charge for each criterion.





Rasiklal M. Dhariwal Institute of Pharmaceutical Education & Research

[Formerly Shri Fattechand Jain College of Pharmacy (B.Pharm.)]



Manikchand


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The team called the Principal and the IQAC Coordinator to show the Peer Team Report. After going through it, changes were suggested, which were accepted by the team. After completing all the required formalities, the Team, Management, Principal, IQAC Coordinator and faculty members proceeded for lunch. After the lunch, the Team began with the Exit Meeting in the Classroom. NAAC and IQAC coordinator Dr. Shweta P. Ghode delivered the welcome speech on Exit Meeting. College Principal Dr. Sanjay Walode mentioned that applying for NAAC assessment and Accreditation was one of the main goals of the college since its inception as it believed in such process for quality education. After that the Peer Team Report was handed over to the Principal. NAAC peer Team Chairman Dr. KRS Sambasiva Rao delivered some suggestions for the improvement and progress of the Institute. Dr. Uma Bhandari, Member Coordinator also commented the good hospitality provided by college. Our Management also proposed thanks towards Peer Team and committed to fulfil the suggestions given by Peer Team.

Lastly, the, IQAC Coordinator proposed the Vote of Thanks and concluded the program.

Agenda 3: Institute accredited by NAAC A+ grade with CGPA 3.46

Report of NAAC Peer Team Visit held on 21st and 22nd December 2022 handed over to the Principal during Exit Meeting. Reult of NAAC was declared on 27th Dec. 2022 and all the staff and Management are pleased to know that Institute has been awarded by NAAC with A+ grade and cumulative CGPA 3.46.


Dr. Shweta P. Ghode
IQAC Co-ordinator




Dr. Sanjay G. Walode

Principal and IQAC Chairman
PRINCIPAL

Rasiklal M. Dhariwal Institute of
Pharmaceutical Education & Research
Chinchwad Station, Pune-411019



Shri Jain VidyaPrasarak Mandal's
**Rasiklal M. Dhariwal Institute of
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Date: 03/01/2023

Following members were present for the meeting held on 03/01/2023

Sr. No.	Name of Member	Designation of Committee	Signature
1.	Shri. Prakashchandji Rasiklalji Dhariwal	President	
2.	Shri. Adv. Rajendrakumarji S. Mutha	One Member from Management	
3.	Shri. Rajeshkumarji N. Sankla	Nominee from Employer	
4.	Dr. Sanjay G. Walode	Chairperson (Principal)	
5.	Mr. Sachin D. Rede	Teacher	
6.	Mr. Dhiraj V. Panke	Teacher	
7.	Ms. Priyanka N. Chhajed	Teacher	
8.	Dr. Vishnu S. Neharkar	Senior Administrative Officer	
9.	Mr. Rajendra Tanaji Gawade	Nominee from Local Society	
10.	Mr. Chetan S. Taware	Nominee from Alumni	
11.	Mr. Yash R. Bamb	Nominee from Student	
12.	Mr. Vinodji K. Mutha	Nominee from Industry	
13.	Mr. Hemaram Sirvi	Nominee from Stakeholder (Parent)	
14.	Dr. Shweta P. Ghode	Coordinator IQAC	



PRINCIPAL
Rasiklal M. Dhariwal Institute of
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Chinchwad Station, Pune-411019



Ref : RMDIPER/IQAC/2022-23/


Date : 19/05/2023

NOTICE

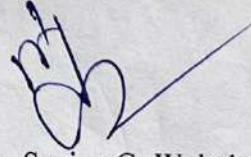
All the members of Internal Quality Assurance Cell (IQAC) are hereby informed that the meeting of IQAC is scheduled on 22/05/2023 at 2.00 pm at Board room. All the members of IQAC are requested to attend the meeting.

The Agenda of meeting is as follows:

1. Approval of last meeting held on 12/07/2022
2. Admission Procedure
3. Portfolio distribution
4. Scholarship and fees recovery
5. New courses (M. Pharm)
6. NBA
7. Certificate courses
8. Placement
9. MoU
10. Sport activities
11. Magazine
12. Summer vacations to faculty
13. Faculty recruitment


Dr. Shweta P. Ghode
IQAC Co-ordinator




Dr. Sanjay G. Walode
Principal and IQAC Chairman

PRINCIPAL

Rasiklal M. Dhariwal Institute of
Pharmaceutical Education & Research
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Shri Jain Vidya Prasarak Mandal's
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Approved By PCI , AICTE New Delhi, DTE (PH-6823) & Affiliated to Savitribai Phule Pune University (PU/PN/Pharm/465/2014)

Date: 19/05/2023

Following members received the notice meeting scheduled on 22/05/2023

Sr. No.	Name of Member	Designation of Committee	Signature
1.	Shri. Prakashchandji Rasiklalji Dhariwal	President	
2.	Shri. Adv. Rajendrakumarji S. Mutha	One Member from Management	
3.	Shri. Rajeshkumarji N. Sankla	Nominee from Employer	
4.	Dr. Sanjay G. Walode	Chairperson (Principal)	
5.	Dr. Sameer H. Lakade	Teacher	
6.	Dr. Priyanka S. Chaudhari	Teacher	
7.	Mr. Sachin D. Rede	Teacher	
8.	Mr. Dhiraj V. Panke	Teacher	
9.	Dr. Vishnu S. Neharkar	Senior Administrative Officer	
10.	Mr. Rajendra Tanaji Gawade	Nominee from Local Society	
11.	Mr. Chetan S. Taware	Nominee from Alumni	
12.	Mr. Ramesh Pawar	Nominee from Student	
13.	Mr. Vinodji K. Mutha	Nominee from Industry	
14.	Mr. Kishor Kumavat	Nominee from Stakeholder (Parent)	



PRINCIPAL

Rasiklal M. Dhariwal Institute of
Pharmaceutical Education & Research
Chinchwad Station, Pune-411019



Ref: RMDIPER/IQAC/2022-23 /

Date: 22/05/2023

IQAC Minutes of Meeting

Held on 22/05/2023

IQAC coordinator welcomes and briefed the committee members about agenda. With the exhaustive discussion of IQAC members on following agenda, following resolutions were made.

The Agenda of meeting is as follows:

Agenda 1: Approval of last meeting held on 12/07/2022

Explained all the action taken and resolutions were made on the points discussed in last meeting.

Agenda 2: Admission Procedure

Previous Admission Committee needs to revise for the effective further work and role of every member need to discuss during the admission procedure. Discussed on promotion of institute by various modes such as banners, advertisement through radio, television, social media etc.

Agenda 3: Portfolio distribution

Different portfolios have been distributed to faculty for the smooth working by looking to the expertise of staff.

Agenda 4: New courses (M. Pharm)

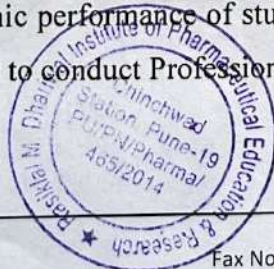
As Institute is accredited by NAAC with A+ Grade, Institute is eligible to start new courses like M. Pharm. Hence discussions are made on it, and it is suggested to start M. Pharm as per the eligibility mentioned by PCI.

Agenda 5: National Board of Accreditation (NBA)

As NBA is one of the major assessment board responsible for accreditation of higher education institutes. So to promote the quality education and to show improved students performance, it is suggested to start the preparation for NBA.

Agenda 6: Certificate courses

To enhance the academic performance of students and to improve creditability and confidence in students, it is suggested to conduct Professional Certificate courses.





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Manikchand

Approved By PCI , AICTE New Delhi, DTE (PH-6823) & Affiliated to Savitribai Phule Pune University (PU/PN/Pharm/465/2014)

Date: 22/05/2023

Following members were present for the meeting:

Sr. No.	Name of Member	Designation of Committee	Signature
1.	Shri. Prakashchandji Rasiklalji Dhariwal	President	
2.	Shri. Adv. Rajendrakumarji S. Mutha	One Member from Management	
3.	Shri. Rajeshkumarji N. Sankla	Nominee from Employer	
4.	Dr. Sanjay G. Walode	Chairperson (Principal)	
5.	Dr. Sameer H. Lakade	Teacher	
6.	Dr. Priyanka S. Chaudhari	Teacher	
7.	Mr. Sachin D. Rede	Teacher	
8.	Mr. Dhiraj V. Panke	Teacher	
9.	Dr. Vishnu S. Neharkar	Senior Administrative Officer	
10.	Mr. Rajendra Tanaji Gawade	Nominee from Local Society	
11.	Mr. Chetan S. Taware	Nominee from Alumni	
12.	Mr. Ramesh Pawar	Nominee from Student	
13.	Mr. Vinodji K. Mutha	Nominee from Industry	
14.	Mr. Kishor Kumavat	Nominee from Stakeholder (Parent)	
15.	Dr. Shweta P. Ghode	Coordinator IQAC	



PRINCIPAL.

Rasiklal M. Dhariwal Institute of
Pharmaceutical Education & Research
Chinchwad Station, Pune-411019

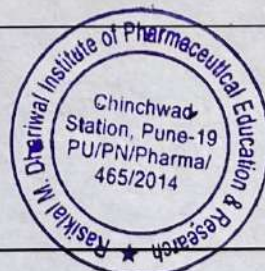


ACTION TAKEN REPORT
INTERNAL QUALITY ASSURANCE CELL
IQAC Meeting held on 22/05/2023

Agenda	Action Taken
1. Admission Procedure	Counselling of F.Y.B.Pharm and Direct S.Y.B.Pharm were carried out at Institute. Received Intake approval of F.Y.B.Pharm A.Y.2023-24 approved from Directorate of Technical Education, Mumbai. Approved Vacancy calculation of Direct S.Y.B.Pharm A.Y.2023-24 from DTE and RO. Admission process of for F.Y.B.Pharm and Direct S.Y.B.Pharm started in July 2023. CAP I and II round of F.Y.B.Pharmacy will be completed till August 2023. CAP I round of Direct S.Y.B.Pharmacy will be completed till August 2023.
2. Portfolio distribution	Different portfolios have been distributed to faculty for the smooth working by looking to the expertise of staff. Made changes in the responsibilities of coordinators with the intension to get an opportunity to work in every area.
3. New courses (M. Pharm)	Proposal for starting of new M. Pharm course in Pharmaceutics and Pharmaceutical Chemistry has been submitted to Management for Resolution/Approval.
4. National Board of Accreditation (NBA)	Meetings were conducted with HODs and faculties for the discussion on NBA for the continuous quality improvement and discussed on further planning and execution.
5. Certificate courses	Ingenious healthcare Pune is management organization and clinical research institute engaged in clinical trials & training students were visited to Rasiklal M. Dhariwal Institute of Pharmaceutical Education & Research to discuss and present the proposal of Ingenious healthcare. The proposal was discussed in front of principal, academic in-charge & training placement in-charge. It has



	<p>been agreed such certificate courses should be offered to final and third year students to get improve knowledge & skill of students by exposing them to practical aspects for making their career. As this program will avail the industrial training, guest lecture, placement activity in collaboration. All such information has been discussed & correspond to higher authority. For further implementation of certificate program mutual MoU is pending with presentation of guest lecture by Ingenious healthcare Pune.</p>
6. Placement	<p>Pool campus drive took place at RMDIPER on July 14, 2023 in Association with Take Care Solution. It was great effort to have an overwhelming response from B. Pharm candidates from all across Maharashtra. More than 1000 online registrations were completed. On interview day, a total of 303 candidates were present, and 9 were selected. Communication to pharmaceutical company for campus interview for medical writing and medical coding, medical editor for Pharma company Harmon Therapy for placement activity, Genus health care solution for campus placement, Regulatory affairs in wellness for campus placement for medical representative post is in progress.</p>
7. MoU	<p>Signed MoU with PDEA's College of Ayurved and Research centre, nigdi, Pune on 17/05/2023. Another MoU was signed with Modern college of Pharmacy, nigdi, Pune on dated 02/06/2023. The purpose of MoU is to exchange of staff and students regarding Academic and Research for the mutual benefits of both the institution. Communication with Magic bus India foundation for MoU is in progress.</p>
8. Sport activities	<p>In the month of June, July and August First year Exams were conducted. In the month of September One day sports activity is planned for First year. Due to heavy rain it was not possible to conduct the sports.</p>





<p>9. Magazine 2021-22, 2022-23</p>	<p>Communications were done with the Management to sanction the budget, including the number of pages (black & white and colour), and the GSM required for publishing the magazine. Data required for publication were collected from staff and students. Data was shared with Bhagyashree printers and regularly tracked. Magazine Inauguration was held on August 15th, 2023 at the hands of the Hon. Trustees of SJVPM.</p>
<p>10. Summer vacations to faculty</p>	<p>Summer vacations for 8 days were sanctioned by management. For the smooth conductance of academics, admin work, the slots of days were made in the span of 31st may to 24th June and allotted to the faculties.</p>
<p>11. Faculty recruitment</p>	<p>Advertisement was published in Loksatta and Indian express news paper on dated 15th June 2023 for the staff recruitment. Applications were received for the said posts and scrutinized the documents. Staff selection panel was finalized by Principal, Management and University. Interview call letters were delivered to the applied candidates. Invitation letters were sent to the Committee experts and Management trustees. Staff selection was done on 17th August 2023 and recruited staff for the required posts.</p>

Dr. Shweta P. Ghode
IQAC Co-ordinator



Dr. Sanjay G. Walode
Principal and IQAC Chairman
PRINCIPAL

Rasiklal M. Dhariwal Institute of
Pharmaceutical Education & Research

Chinchwad Station, Pune-411019
Email: rmdiper@gmail.com

॥ पढमं नानं सजो ददा ॥



Shri Jain Vidya Prasarak Mandal's

Rasiklal M. Dhariwal Institute of Pharmaceutical Education & Research



[Formerly Shri Fattechand Jain College of Pharmacy (B.Pharm.)]

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NAAC Accredited with A+ (CGPA - 3.46)

**FEEDBACK COLLECTED,
ANALYSED AND USED FOR
IMPROVEMENTS**





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SUMMARY OF FEEDBACK OBTAINED FROM THE STAKEHOLDERS-

Sr.No.	Stakeholder's	No. of Feedback Collected
1	Students Feedback on syllabus	64
2	Teachers Feedback on syllabus	14
3	Alumni Feedback on syllabus	41
4	Employers Feedback on syllabus	08

FEEDBACK ANALYSIS

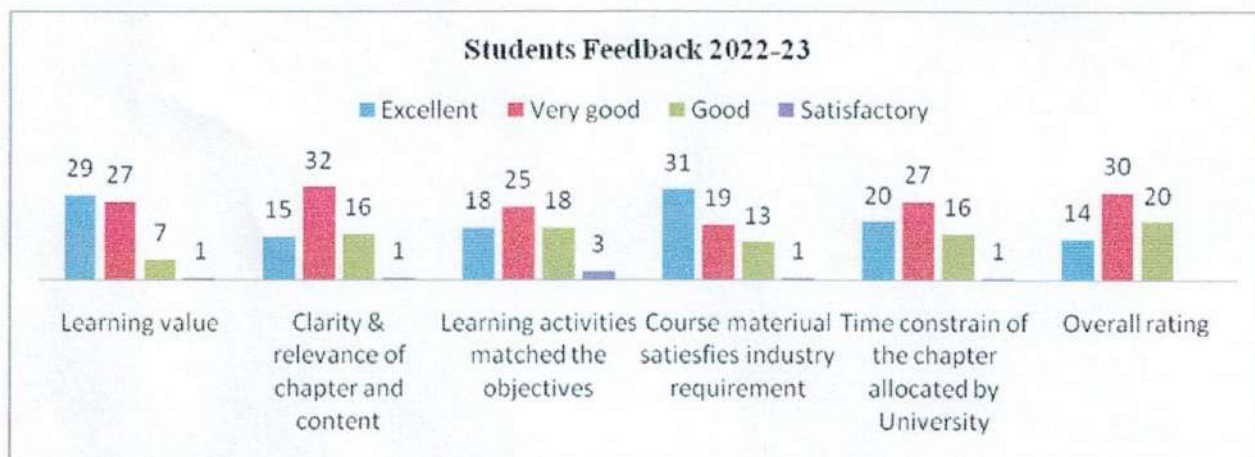
A. STUDENTS FEEDBACK ON SYLLABUS

Our institution designed and collects feedback from its stakeholder such as students to make improvement in existing system of academic activities after reviewing and analyzing each remark. The feedback questioners encompass quality of education and facility provided along with any improvement in curriculum delivery. Our institute is always connect with the students essentials and focused to take appropriate action with implementation.

Total No of Feedback/Responses: -64

Parameter	Excellent	Very good	Good	Satisfactory
Learning value (in terms of knowledge, concepts,)	29	27	7	1
Clarity and relevance of chapter and content	15	32	16	1
Learning activities matched the objectives	18	25	18	1
Course material satisfies industry requirement	31	19	13	1
Time constrain of chapter allocated by University	20	27	16	1
Overall rating	14	30	20	-





B. TEACHERS FEEDBACK ON SYLLABUS

Teaching faculty is the back bone of education system and mediator in between the students and Universities. Faculties are the directly connected with the student and understand the issues if any related to curriculum. Hence teachers feedback on syllabus become important. The institute follows the syllabus prescribed by the affiliating University. Feedback of the teacher is taken on the curriculum is used to find out any decisive content not covered in syllabus. Identified responses were then taught to students as content beyond the syllabus.

Total No of Feedback/Responses:-14

Parameter	Excellent	Very Good	Good	Satisfactory
Aims and objectives of the syllabi are well defined and clear	11	2	1	-
Syllabus provides exposure to industry	4	7	3	-
The evaluation system followed by the University is effective.	10	2	2	-
The University syllabus facilitates teacher to establish linkage with Industry.	5	7	2	-
University provides opportunity to teachers for syllabus orientation program	4	9	1	-
The faculty are updating their knowledge and skills through course content.	8	6	-	-
Overall rating	4	9	-	-

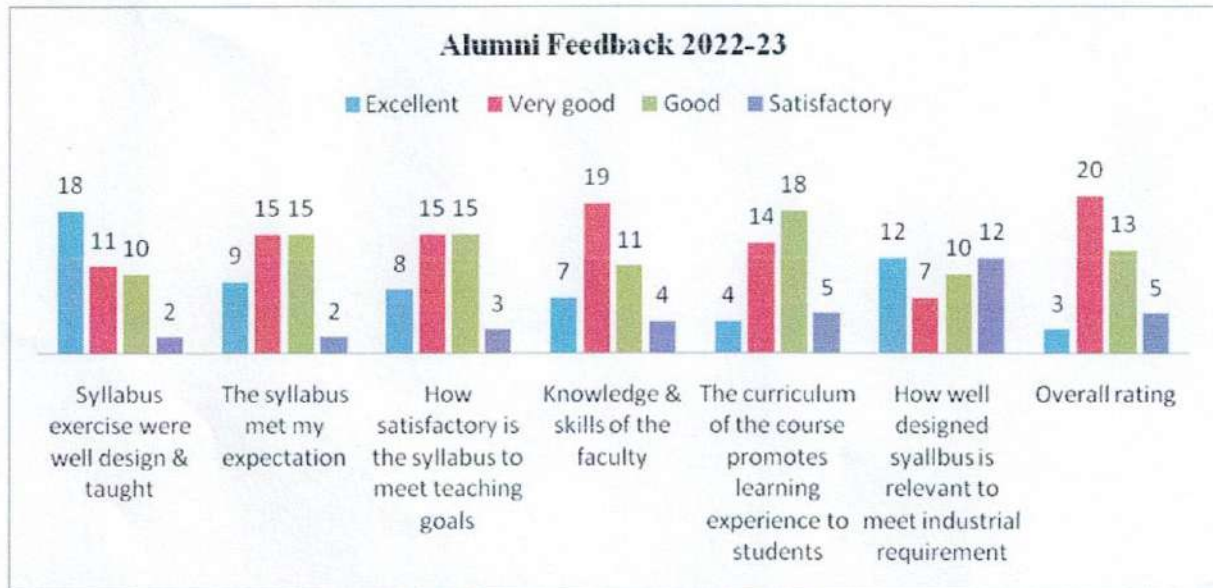


C. EMPLOYERS FEEDBACK ON SYLLABUS

Institute is always in continuous search to receive feedback from employers to know whether the curriculum and institute facility fulfill the companies requirement and employee satisfies or not.

Parameter	Excellent	Very good	Good	Satisfactory	Unsatisfactory
Does the syllabus promotes leadership quality & team work	6	2	-	-	-
Whether the syllabus supports problem solving & decision making ability	3	5	-	-	-
Does the syllabus cultivates ethical practices	2	6	-	-	-
Whether the content of syllabus is relevant to industry need.	6	2	-	-	-
Whether the syllabus has scope for learning newer techniques	6	2	-	-	-



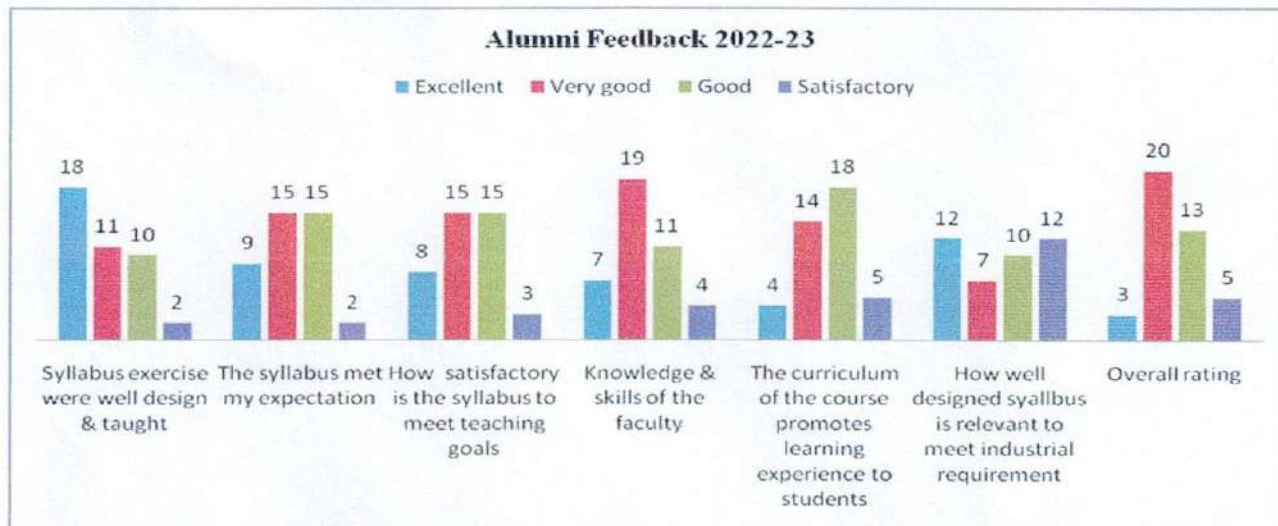


D. ALUMNI FEEDBACK ON SYLLABUS

Our institute is always believes to deploy proactive measure to enhance the quality of education. As a part of this, alumni plays most significant role by sharing their experiences gained from industry and other external sources. Institute provides platform to alumni by organizing events believing to have communication leading to provide opportunities to present students of institute. The transmission helps to students and also for further growth of institute. Institute uses alumni feedback as an effective tool of institute improvement. The responses received from them taken into on priority for effective implementation.

Total No of Feedback -41

Parameters	Excellent	Very Good	Good	Satisfactory
Syllabus exercise were well design & taught	18	11	10	2
The syllabus met my expectations	9	15	15	2
How satisfactory is the syllabus to meet teaching goals?	8	15	15	3
Knowledge & skills of faculty	7	19	11	4
The curriculum of the course promotes learning experience to the students	4	14	18	5
How well designed syllabus is relevant to meet industrial requirement	12	7	10	12
Overall rating	3	20	13	15



FEEDBACK SUMMARY AND ACTION TAKEN

The institute is more primarily focus on the development and sustainable growth by getting different perspectives on performance for self reflection. This can be the driving force for the institute to motivate and work in favour of institute progress considering that institute had taken feedback of all stakeholders and action was implemented as according.

Sr. No	Gap Identified	Action taken
1	Students concerning to feedback for certificate program	To fulfil the identified gaps certification program on emerging trends in intellectual property tights was conducted.
2	Students concern to online program activity	Online guest of unique academy on competitive examination preparation was organized
3	Feedback response concerning to industrial visit to national laboratory	Industrial visit of third year to ICMR- National AIDS Research Institute (NARI) was organized.




PRINCIPAL
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 Chinchwad Station, Pune-411019

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Shri Jain Vidya Prasarak Mandal's

**Rasiklal M. Dhariwal Institute of
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NAAC Accredited with A+ (CGPA - 3.46)

**CONFERENCES, SEMINARS,
WORKSHOPS ATTENDED BY FACULTY
ON QUALITY CONDUCT**





Academic Year 2022-23

Sr. No.	Name of teacher who attended	Title of the program	Duration (from – to) (DD-MM-YYYY)
1	Mrs. Manisha Khaire	Intellectual property on Artificial intelligence and Machine learning	26-05-23
2	Ms. Harshada H. Puranik	Effective research proposal and manuscript writing	23-03-2023 to 25-03-2023
3	Dr. Rohini C. Kolhe	Innovation, Research and IPR- Journey Towards Excellence	1-03-2023 to 5-03-2023
4	Ms. Harshada H. Puranik	Emerging trends in pharmaceutical care in digital era	27-02-23
5	Dr. Rohini C. Kolhe	Implementation of NEP 2020 SWAYAM MOOCs	21-02-2023 to 22-02-2023
6	Dr. S. P. Ghode	Multidisciplinary Education: Application of CADD in Teaching & Research	10-02-2023 to 11-02-2023
7	Dr. S. H. Lakade	Multidisciplinary Education: Application of CADD in Teaching & Research	10-02-2023 to 11-02-2023
8	Dr. V. S. Nehrkar	Multidisciplinary Education: Application of CADD in Teaching & Research	10-02-2023 to 11-02-2023
9	Dr. P. S. Chaudhari	Multidisciplinary Education: Application of CADD in Teaching & Research	10-02-2023 to 11-02-2023
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12	Mr. R. P. Raut	Multidisciplinary Education: Application of CADD in Teaching & Research	10-02-2023 to 11-02-2023
13	Dr. A. A. Garud	Multidisciplinary Education: Application of CADD in Teaching & Research	10-02-2023 to 11-02-2023
14	Mrs. H. H. Puranik	Multidisciplinary Education: Application of CADD in Teaching & Research	10-02-2023 to 11-02-2023



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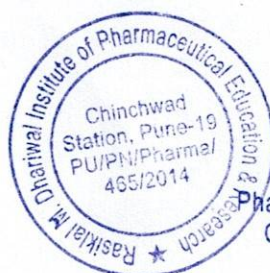


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19	Dr. Shweta P. Ghode	Industry-Institute Linkages	2-02-2023 to 3-02-2023
20	Ms. Harshada H. Puranik	Interdisciplinary research in pharmacy: NEP 2020 perspective	14-01-23
21	Ms. Harshada H. Puranik	Opportunities in Pharmacy & Research	28-12-22
22	Ms. Harshada H. Puranik	Health and Society- Classical and Temporary Approaches	15-12-2022 to 21-12-2022
23	Ms. Warude Bhagyashri	Quality sustenance and quality improvement: issues and challenges	20-09-22
24	Ms. Harshada H. Puranik	Quality sustenance and quality improvement: issues and challenges	20-09-22
25	Ms. Harshada H. Puranik	Assessment strategy for OBE: mapping and Attainment	12-09-22
26	Ms. Warude Bhagyashri	Assessment strategy for OBE: mapping and Attainment	12-09-22
27	Ms. Harshada H. Puranik	Innovation and IPR	18-06-22
28	Ms. Harshada H. Puranik	Innovation and Intellectual property Rights	13-06-2022 to 18-06-2022



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HOD, Dept. of Comp. Sci



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CSIR-Institute of Minerals and Materials Technology, Bhubaneswar-751013

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This is to certify that Mrs. Harshada Heramb Puranik of Rasiklal M Dhariwal Institute of Pharmaceutical Education and Research Chinchwad Pune has participated in the NeW IPR 2022 e-Workshop organized by Innovative Technology Enabling Centre (InTEC), CSIR-IMMT, Bhubaneswar during June 13-18, 2022

Dr. T. Pavan Kumar, Convener
NeW IPR 2022 e-Workshop

Dr. A.K. Sahu, CEO-InTEC
CSIR-IMMT, Bhubaneswar

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॥ परमं गार्जं तत्रो दय ॥



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COLLABORATIVE QUALITY INITIATIVES WITH OTHER INSTITUTION(S)





LIST OF COLLABORATIVE ACTIVITIES FOR FACULTY EXCHANGE, STUDENT EXCHANGE, INTERNSHIP, FIELD TRIP, ON-JOB TRAINING, RESEARCH

Academic Year 2022-23

Sr No.	Title of the collaborative activity	Number of collaborations/ linkages	Nature of activity	Activity Date/Duration
1	Research paper publications	15	Collaborative research with other institutes resulted in paper publications (No. of publications-22)	One year
	Patent Publications	01	Collaborative research with other institutes resulted in patent (No. of publications-2)	One year
2	Faculty exchange	13	Faculty attended seminar/webinar/FDP/workshop/training (No. of seminar attended- 18)	One day to two months
		05	Faculty as resource person (No. of faculty- 03)	One day
3	Field Trip	02	Institute (No of visit-2)	One day
Total no. of collaborations		36		



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**Number of Collaborative Activities
(Research Paper/Patent Published)
(2022-23)**





DETAILS OF COLLABORATIVE PAPER PUBLICATIONS

Sr no	Title of paper	Name of Author/s	Year, Volume, Issue, Page no	Name of journal	Collaborating Institute & Industry	ISSN number
1	Resveratrol and Its Natural Analogues Inhibit RNA Dependant RNA Polymerase (RdRp) of Rhizopus oryzae in Mucormycosis through Computational Investigations	Ismail Celik, Mithun Rudrapal , Pradeep Kumar Yadalam , Shankargouda Patil, Sanjay G. Walode & Dhiraj V. Panke	2022, 43(5) 4426-4443	Polycyclic Aromatic Compounds	Department of Chemistry, M. S. Ramaiah Institute of Technology, Bengaluru	1563-5333
2	Development and evaluation of antifungal soap with herbal antibacterial properties.	Vibhavari M. Chatur , Anuj N. Nahata , Prachi S. Pipada , Aniket K. Pacharne , Shubham Patil , Nazma M. Ansari , Sanjay G. Walode , Shashikant N. Dhole	2022, 9(7) 67-74	European Journal of Molecular & Clinical Medicine	PES Modern College of Pharmacy, Moshi, Pune.	2515-8260
3	Protective Effects of Diets Rich in Polyphenols in Cigarette Smoke(CS)-Induced Oxidative Damages and Associated Health Implications.	Mithun Rudrapal, J. Khairnar, Atul R. Bendale, Ranjan Kumar Sahoo, Rani S. Kankate, Randa Mohamed Ismail, Johra Khan, Prashanta Kumar Deb, Payal Kesharwani, Shiv Kumar Prajapati	2022, 11, 1217, 1-20	Antioxidants	MET's Institute of Pharmacy, Bhujbal Knowledge City, Nashik	2076-3921
4	Anthelmintic Potential Of Aqueous And Organic Extract Of Seeds Of Samanea saman (Merr)	Atul Baravkar, Nitin Aher, Ramdas Kale, Vitthal Chopade, Vishnu Neharkar , Makarand Puri, Padmanabh Deshpande	2023, 14 (3), 2285-2288	Journal of Pharmaceutical Negative Results	Modern College of Pharmacy Nigdi, Pune	0976-9234
5	Sonocrystallization: emerging approach for solubility enhancement of poorly aqueous soluble drug molecules	Prashant Ghode, Shweta Ghode , Atul Sayare, Asawari Pachauri, Sarita Chavan, Pratibha Hole, Anil Tankar	2022, 20 (16) 369-382	NeuroQuantology	JSPM Rajarshi Shahu college of Pharmacy and research, Tathwade, pune	1303-5150
6	Common Indian Medicinal Plants As Emerging Wound Healing Agents: Deep Insights Into	Shweta P. Ghode , Prashant D. Ghode, Harshada H. Puranik and Atul S. Sayare	2023, 14(1) 218-243	International journal of pharmaceutical	JSPM Rajarshi Shahu college of Pharmacy and research, Tathwade,	2320-5148



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	Applications And Mechanisms			sciences and research	pune	
7	Development And Evaluation Of Antidiabetic Polyherbal Tablet Using Medicinal Plants Of Traditional Use	Ms. R. C. Kolhe, Rajesh Y. Chadhari	2023, 15,2,	International Journal of Current Pharmaceutical Research	Loksevak madhukarrao Chaudhari College of Pharmacy, Jalgaon	0975-7066
8	Synthesis, cytotoxicity, PDGFR inhibitory activity and docking Study of novel 2-aminoquinoline-3-carboxamide derivatives as Potential anticancer agents	Ganesh S. Mhaske, Ashim Sen , Ashish Shah , Dhanya Sen, Ganesh R. Phadtare ,Shyam S. Awate , Pramod H. Sakpal , Rahul H. Khiste , Vishnu S. Neharkar	2023, 12(1) 292-305	European Chemical Bulletin	Department of Pharmacy, Sumandeep Vidyapeeth Deemed to be University, Vadodara, Gujrat	2063-5346
9	Antidiabetic Evaluation Of Isolated Compounds From Pomegranates (Punica Granatum) Peels In Alloxan-Induced Diabetic Rat Model	Bindurani L G P Ram, Vishnu S Neharkar	2022, 11 (8) 1880-1886	International Journal of Food and Nutritional Sciences	SGMSPM's Dnyanvilas College of Pharmacy Dudulgaon PCMC Pune	2319-1775
10	A Juxtaposition of Anterior Cervical Interbody Anastomosis With And Without Instrumental Blending	Dr. Yogesh Khandalkar, Dr. A Muhammed Anzar, Dr Somi Reddy, Dr. Rahul Agarwal, Dr. Vishnu Neharkar, Dr. Sagar Gurnani, Dr. Harsh Raithatha, Dr. Aniket Garud	2022, 20(19) 248-263	NeuroQuantology	Department of Orthopaedics, Dr. D.Y. Patil Medical College, Pimpri, Pune	1303-5150
11	Solubility Enhancement and Preparation of Antifungal Gel of Lawsone	Atul Sayare, Pallavi Kamble, Prashant Ghode, Shweta Ghode , Vrushali Pawar, Shivani Yeole, Pranjali Mashakhtri	2023, 26 (4) 1776-1780	Research Journal Of Pharmacy and Technology	JSPM Rajarshi Shahu college of Pharmacy and research, Tathwade, pune	0974-360X
12	Development and validation of RP-HPLC method for simultaneous estimation of Amitriptyline Hydrochloride and Propranolol Hydrochloride in pharmaceutical dosage form	Akanksha Gajmal, Ganesh S Andhale, Vishnu S Neharkar , Kishori Hol , Sapana M Nagare	2022, 20 (13) 1401-1410	NeuroQuantology	Allard College of Pharmacy, marunji, Pune	1303-5150



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13	Design, Docking, Insilco ADME Prediction Of Novel Indole Based Benzamide Scaffolds Targeting For Estrogen Receptor Alfa In Af-2Domain For Effective Anticancer Treatment	B. J. Warude , Dr. V. A. Chatpalliwar, S. N. Wagh, Dr. V. S. Neharkar , Dr. S. N. Deshmukh, Dr. R. Mhetre and Dr. A.A.Garud	2022, 13(5)2 959-2976	Journal of Pharmaceutical negative results	S.S.D.J. College of Pharmacy, Neminagar, Chandwad, Nashik	2229-7723
14	Design, docking, MD simulation and in-silico ADMET prediction studies of novel indole based benzamides targeting estrogen receptor alfa positive for effective breast cancer therapy	Bhagyashri J. Warude Sandip N. Wagh , Vivekanda A. Chatpalliwar , Merve Yildirim , Ismail Celik , Mithun Rudrapal , Aniket A. Garud , Vishnu S. Neharkar	2023, 70 (2) 307-316	Pharmacia	S.S.D.J. College of Pharmacy, Neminagar, Chandwad, Nashik	2603-557X
15	Preliminary pharmacognostic, physicochemical and phytochemical evaluation of Sansevieria cylindrica leaves	Sunil Shewale, Vaishali Undale, Maruti Shelar, Vrushali Bhalchim, Mohini Kuchekar, Bhagyashri Warude , Vikas Wawale	2022, 13(1) 1253-1271	Journal of pharmaceutical negative result	Modern College of Pharmacy, Nigdi.	2229-7723
16	Beforehand and aftermath of plating on anterior cervical spinal blend	Dr. Yogesh Khandalkar, Dr. A Muhammed Anzar, Mrs. Bhagyashree Warude , Dr. Ravindra B. Patil, Dr. Swati N. Deshmukh, Ms. Priyanka Chhajed , Dr. Aniket Garud	2022, 20(9) 5536-5545	Neuro Quantology	Department of Orthopaedics, Dr. D.Y. Patil Medical College, Pimpri, Pune,	1303-5150
17	Embelin isolated from Embelia ribes derived silver nanoparticles and its application in breast cancer nanomedicine	Rutika Jagtap, Aniket Garud , Bhagyashri Warude , Shubhangi Puranik	2023, 73(3) 403-411	Materials today - proceedings	Modern College of Arts, Science and Commerce, Shivajinagar, Pune,	2214-7853
18	Formulation and Appraisal of innovative acyclovir emulsion	Ms. Sadhana Pawar, Mr. Pankaj Neje, Ms. Saima Shaikh, Ms. Shrishti Mukkirwar, Mr. Anand Kakde , Dr. Raksha Mhetre, Dr. Aniket Garud	2022, 20,(11) 6968-6980	Neuro Quantology	PES Modern College of Pharmacy, Moshi, Pune	1305-5150



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21	Novel film forming spray from tea tree leaves with special emphasis on development, formulation and evaluation	Swati Deshmukh, Vanita Gade, Aniket Garud , Rahul Dumbare, Bhagyashri Warude , Sunita maharaj, swapnil Girme, Sunita Shewalkar	2022,6 (5)517 9-5184	Journal of positive school psychology	Siddhant college of pharmacy, Sudumbare, Pune	2717-7564
22	Evaluation of novel topoisomerase II inhibitors as anti-cancer agents through advanced computational strategies	Mrs. Bhagyashree Warude , Mr. Amol B. Kumbhar, Dr. Jeevan Dhumal, Ms. Priyanka Chhajed , Amrita Verma Pargaen, Dr. Manisha Savaliram Kedar, Dr. Swati N. Deshmukh, Dr. Aniket Garud .	2022, 20 (19), 264- 294	Neuroquatology	RJSPM's College of Pharmacy, Duldulgaon, Moshi Alandi Road, Pune	1303-5150






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Resveratrol and Its Natural Analogues Inhibit RNA Dependant RNA Polymerase (RdRp) of *Rhizopus oryzae* in Mucormycosis through Computational Investigations

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ABSTRACT



Mucormycosis (or black fungus infection) is a life-threatening, but rare fungal infection with predominant occurrence in immunosuppressed patients following the SARS-CoV-2 infection. *Rhizopus oryzae* (*R. O.*) causes about 70% of all cases of mucormycosis. RNA dependent RNA polymerase (RdRp) is a key fungal protein implicated in the genome replication and multiplication of *R. oryzae*. In view of biological significance of resveratrol (RES), rich in grape skin extract, on various microbial infections and inflammatory diseases including gum infections and periodontitis, our present study was aimed at *in silico* investigation of RES and its two natural analogues, piceatannol (3,5,3',4'-tetrahydroxy-*trans*-stilbene, PIC), and 3,5,4'-trimethoxy-*trans*-stilbene (TMS) for their development as successful antifungal agents targeting the *R. O.* specific RdRp to combat the deadly mucormycosis. Due to the unavailability of the three-dimensional structure of *R. O.* RdRp in the Protein Database Bank (PDB), the protein structure of RdRp was modeled using the target sequence of RT/Duplex (Set-Met) (PDB ID: 6AR3, 3.41 Å) by homology modeling. Using the modeled structure of *R. O.* RdRp, docking and molecular dynamics (MD) simulation studies were carried out in Schrödinger suite version 2021-2 software. The findings of docking, MD simulations and MM-PBSA binding energies conclude that the RES, PIC and TMS possess predictable and stable binding affinity/interactions to the *R. O.* RdRp. These bioactive compounds could potentially inhibit the activity of *R. O.* RdRp. Further, density function theory (DFT) analysis (B3LYP, 6-311 G* basis set) was performed, and results of DFT analysis indicate that the compound PIC could be a more potential inhibitor for *R. O.* RdRp over RES. In *in silico* drug-likeness and ADMET prediction studies, all of the compounds exhibited acceptable drug-likeness, the Lipinski's rule of five and pharmacokinetic parameters. Finally, it can be concluded that RES and its two natural analogues, PIC and TMS are the potential inhibitors of *R. O.* RdRp based on docking, MD and DFT studies.

ARTICLE HISTORY

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KEYWORDS

Mucormycosis; SARS-CoV-2; *R. oryzae*; RNA dependent RNA polymerase; resveratrol; antifungal

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DEVELOPMENT AND EVALUATION OF ANTIFUNGAL SOAP WITH HERBAL ANTIBACTERIAL PROPERTIES

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ABSTRACT

Herbal products have become increasingly important worldwide in medical and economic terms. Antifungal herbal antibacterial soap of Luliconazole were prepared & evaluated for dermal infection along with the addition of the oils and the extract of *Azadirachtaindica*, *Ocimum tenuiflorum*, *Aloe barbadensis miller*, *Santalum album*. The API used for the preparation of antifungal herbal antibacterial soap belongs to the antifungal class of azoles, inhibits the enzyme lanosterol demethylase, which is required for the production of ergosterol, which is a major component of the fungal cell membrane. It is mainly used in the treatment of skin infections such as athlete's foot, jock itch, and ringworm. The physicochemical parameters of formulations (Physical evaluation, pH, Foaming ability and foam stability) were determined. The results showed that the formulation have pH level nearly equal to skin pH, foaming index was excellent. The %drug release, % drug content, % solid content and microbial study was performed for API.

Keywords: Luliconazole, Herbal soap, Aloe Vera, Dermal infections

INTRODUCTION:

Luliconazole is an azoleantifungal that works by preventing the growth of the fungus. ^[1]

The skin diseases are common among all age groups and can be due to exposure towards microbes, chemical agents, biological toxin present in the environment, and also to some extent due to malnutrition ^[2]. Fungal infections are contagious and spread easily just close contact or sharing a comb or hairbrush with the infected person. They can be controlled in their initial stage by proper medications ^[1]. In this research the herbal medicated soap containing API, aloe vera gel, sandalwood oil, Neem oil, and Tulsi oil has shown the antibacterial and antifungal activity.

Sandalwood (*Santalum album*)

Sandalwood essential oil has many traditional uses. For centuries, East Indian sandalwood oil has been a popular ingredient in Ayurvedic medicine, the folk medicine of India. It's also



Review

Protective Effects of Diets Rich in Polyphenols in Cigarette Smoke (CS)-Induced Oxidative Damages and Associated Health Implications

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Abstract: Cigarette smoking has been responsible for causing many life-threatening diseases such as pulmonary and cardiovascular diseases as well as lung cancer. One of the prominent health implications of cigarette smoking is the oxidative damage of cellular constituents, including proteins, lipids, and DNA. The oxidative damage is caused by reactive oxygen species (ROS, oxidants) present in the aqueous extract of cigarette smoke (CS). In recent years, there has been considerable interest in the potential health benefits of dietary polyphenols as natural antioxidant molecules. Epidemiological studies strongly suggest that long-term consumption of diets (fruits, vegetables, tea, and coffee) rich in polyphenols offer protective effects against the development of cancer, cardiovascular diseases, diabetes, osteoporosis, and neurodegenerative diseases. For instance, green tea has chemopreventive effects against CI-induced lung cancer. Tea might prevent CS-induced oxidative damages in diseases because tea polyphenols, such as catechin, EGCG, etc., have strong antioxidant properties. Moreover, apple polyphenols, including catechin and quercetin, provide protection against CS-induced acute lung injury such as chronic obstructive pulmonary disease (COPD). In CS-induced health problems, the antioxidant action is often accompanied by the anti-inflammatory effect of polyphenols. In this narrative review, the CS-induced oxidative damages and the associated health implications/pathological conditions (or diseases) and the role of diets rich in polyphenols and/or dietary polyphenolic compounds against various serious/chronic conditions of human health have been delineated.

Keywords: cigarette smoke; oxidative damage; dietary polyphenols; COPD; cardioprotective; bioavailability

Anthelmintic Potential Of Aqueous And Organic Extract Of Seeds Of Samaneasaman (Merr)

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Abstract

The aim of this research study was to evaluate aqueous and organic extracts of seeds of Samaneasaman (Merr) for their anthelmintic activity using Indian adult earthworm *Pheretima posthuma*. Different concentrations of aqueous and organic extract ranging from 10 to 100 mg/ml were made and tested on said earthworm. These extracts were tested for bioassays which include time for paralysis and time for death of the worms. Aqueous as well as organic extract of seeds does not exhibit strong anthelmintic activity at concentration of 100 mg/ml. Lower concentrations also did not produce significant anthelmintic activity. The standard reference drug which is used for comparing anthelmintic activity of these extracts was piperazine citrate at concentration of 10 mg/ml. Both aqueous and organic extracts of seeds of Samaneasaman were evaluated for and showed no potential anthelmintic activity.

KEYWORDS Anthelmintic activity, Extraction, Piperazine citrate, Samaneasaman, *Pheretima posthuma*.

INTRODUCTION:

Helminthiasis is a worm infestation of humans and other animals even life stock and crops affecting health and food production respectively and has impact on global economic factor.¹ The worms which causes helminthiasis are called as helminths and the drugs which are used for treating helminthiasis are nothing but anthelmintics.² There are various types of worms such as hook worms, fluke worms, round worms, tape worms which causes helminthiasis. The names are given according to their shapes. The major organs which get affected in helminthiasis are stomach and intestine and major symptoms of severe helminthiasis include diarrhea, abdominal pain, general malaise and impaired cognitive development. Chronic helminthiasis by hook worm lead to intestinal bleeding and anemia.³ *Pheretima* is a genus of earthworms. *Pheretima posthuma* are long cylindrical shaped worms having length of 15-30 cm. they are mostly found in moist soil and responsible for vegetables and humus. Their life span is 3 to 10 years.⁴

Samanea Saman Merr (family *Fabaaceae*) commonly known as rain tree is easily available and widely spread plant in the world. It is widely cultivated throughout Mediterranean region and all tropical regions including temperate, tropical and subtropical regions due to its higher commercial scale.

Scientific classification of Taxonomy Kingdom: Plantae, Order: Fabales, Family: Fabaceae, Genus: *Samanea Saman*, Species: *S. saman* and exhibits the synonym names of *Samaneasaman* such as *Albiziasaman*, *Enterolobium saman*, *Inga saman*, *Pithecellobium saman*, and *Mimosa saman*.⁵

Downpour tree is effortlessly known for its qualities like umbrella-molded cover. Downpour tree is filled in the open and ordinarily arrives at 15-25m (50-80ft) in level. *Samaneasaman* is quite possibly of the main plant in the Pacific as an overhanging tree on little ranches and along street side regions in parks and field. The downpour tree is filled in the tropical climate and its wood has restricted need for cut bowls, make wood, and fuel wood. The leaves and cases of downpour tree are utilized as food because of the great nutritive substance and nitrogen



Sonocrystallization: Emerging Approach for Solubility Enhancement of Poorly Aqueous Soluble Drug Molecules

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ABSTRACT

Drugs solubility and permeability both affect how bioavailable they are when taken orally. Insufficient bioavailability is frequently demonstrated by the low solubility and low dissolution rate of weakly water soluble medications in gastrointestinal fluids. An innovative particle engineering process called sonocrystallization involves applying ultrasonic energy to a soft or viscous molten mass that is disseminated in an immiscible liquid, thereby producing crystals having a large surface area which facilitates better drug dissolution. This review article comprehensively highlights the recent reports of solubility enhancement of a variety of drugs belonging to classes such as non-steroidal anti-inflammatory drugs (celecoxib, flurbiprofen, ibuprofen, ketoprofen, naproxen, piroxicam), antihyperlipidemic drugs (fenofibrate and simvastatin), miscellaneous drugs (oxcarbazepine, progesterone, salbutamol, and rosiglitazone), and natural products (curcumin and plumbagin) through (melt)-sonocrystallization approach. This article will definitely provide great help to formulators and/or researchers involved in developing or applying emerging techniques for enhancing the aqueous solubility of drug molecules.

Keywords: Sonocrystallization, Solubility Enhancement, Techniques, Mechanism, Drugs, BCS

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1. INTRODUCTION

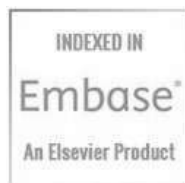
When a medicine is ingested, its delivery mechanism dissolves into gastric or intestinal fluids, where it then penetrates gastrointestinal cell membranes to be absorbed. Drugs'

solubility and permeability both affect how bioavailable they are when taken orally. To acquire the correct drug concentration in plasma for the intended pharmacological reaction, solubility is a crucial factor. According





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COMMON INDIAN MEDICINAL PLANTS AS EMERGING WOUND HEALING AGENTS: DEEP INSIGHTS INTO APPLICATIONS AND MECHANISMS

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ABSTRACT: Any bodily harm, such as damage to the skin's epidermis and disruption of its normal architecture and function, is referred to as a wound. The significance of wound healing has been known since ancient times. Several attempts have been made to design innovative wound dressings composed of the finest materials for speedy and successful wound healing. Medicinal herbs greatly aid the wound healing process. Many researchers have concentrated in recent decades on creating innovative wound dressings that combine medicinal plant extracts or their purified active components, which might be utilized instead of standard wound dressings. Several researchers have looked at the mechanisms of action of different herbal medicines in the wound healing process. This work aims to emphasize and examine the mechanical viewpoint of wound healing mediated by natural compounds. Some herbal medications stimulate re-epithelialization, angiogenesis, granulation tissue development, and collagen fiber deposition by increasing the production of vascular endothelial growth factor (VEGF) and transforming growth factor (TGF- α). Other wound dressings containing herbal medicines decrease the production of tumour necrosis factor- α (TNF- α), interleukin-1 β (IL-1 β) and inducible nitric oxide synthase (iNOS), resulting in anti-oxidant and antiinflammatory characteristics at different stages of the wound healing process. Aside from the growing public interest in traditional and alternative medicine, using herbal medicine and natural products for wound healing has a number of advantages over using conventional medicines, including greater effectiveness due to multiple mechanisms of action, anti-bacterial activity, and long-term wound dressing safety.

Keywords: Anti-bacterial activity, Anti-oxidant activity, Anti-inflammatory activity, Herbal medicine, Natural products, Wound healing

INTRODUCTION: It is a worldwide problem to design and produce an adequate wound dressing for treating acute and chronic wounds.

Original Article

DEVELOPMENT AND EVALUATION OF ANTIDIABETIC POLYHERBAL TABLET USING MEDICINAL PLANTS OF TRADITIONAL USE

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ABSTRACT

Objective: The aim of the present study is to develop and evaluate poly herbal tablet prepared for management of diabetes with enhanced disintegration time.

Methods: The polyherbal extract prepared using methanolic extract of selected traditionally used medicinal plants such as *Adenanthera pavonina*, *Kigelia africana*, *Parkia biglandulosa* and *Syzygium jambose* (1:1:1:2) was evaluated in the alloxan monohydrate induced diabetic rat model. The polyherbal tablets were prepared by wet granulation method with excipients microcrystalline cellulose, dicalcium phosphate dehydrate and sodium starch glycolate. After preformulation studies tablets were evaluated by using weight variation, hardness, friability and disintegration time. The diabetic rats treated with polyherbal extract were compared with the diabetic control rats group.

Results: Positive results were obtained in the observed parameters, thus favoring the use of the plants. Pre-formulation study revealed that all the evaluated parameters were found to be within the acceptable limits. The weight variation of the formulated tablets was 1.43 % RSD. The disintegration time of the formulations was found to be 9.50 minutes. The tablets also underwent accelerated stability over the period of three months. No marked changes were observed in all the parameters evaluated during three months of accelerated stability study.

Conclusion: Laboratory-scale preparation of polyherbal tablet can lead to new powerful and stable oral dosage formulations for diabetes mellitus and lighten the synergistic area of action of herbs.

Keywords: Medicinal plants, *Adenanthera pavonina*, *Kigelia africana*, *Parkia biglandulosa*, *Syzygium jambose*, Polyherbal tablet

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INTRODUCTION

Plants have played a unique integral role in providing food, medicine, clothing, shelter, etc. Natural products have been extensively explored to discover new drugs [1]. In fact, plants have been used for medicinal purpose since 5000 y [2]. Approximately 70-90% of the population in developing countries continues to use ancient drugs based on plant extracts [3]. The inherent usefulness of traditionally used medicinal plants should be encouraged for worldwide reception and for the benefit of humanity. Scientific assessment and authentication of traditional medicine are being essential to open any other possibilities for the development of alternate medicine and therapeutic approaches [4]. The most influential and promising elements are the secondary metabolite present in the plants [5]. Secondary metabolites of plant origin are molecules or macromolecules biosynthesized in plants, including alkaloids, glycosides, tannins, lignans, etc. that have a variety of beneficial therapeutic uses for humans, such as their antiallergics, antitumor, antioxidants, anti-inflammatory, antidiabetic activity [6]. Plants are always the presentative source of medicine as many more drugs which are used presently have been derived from them directly or indirectly [7]. There is a large collection of plants with antidiabetic potential only some of these have been scientifically proven and many more have yet to be explored and tested [8]. The prevalence of diabetes mellitus is increasing compared to recent years; therefore, various researches are being to discover a better medicine to cure this disease [9]. Herbal medicines are used in treating diabetes mellitus has become important throughout the world. The World Health Organization has also suggested and authorized this drilling, particularly in countries where access to treating diabetes is not enough. There is widespread interest in using natural products with antidiabetic activity, by virtue of side effects related to the usage of insulin and oral hypoglycemic agents. The available literature shows that there are more than 400 species of plants that show hypoglycemic activity [10]. Current diabetes mellitus medications emphasis on monitoring to control blood glucose levels of the blood to a normal level. During the treatment modern synthetic drugs causes side effects with some serious medical complication. Hence,

acts as savior as an alternative medication treatment as traditionally used medicines have been used since long time [6].

This study has focused on four plants which are *Adenanthera pavonina*, *Kigelia africana*, *Parkia biglandulosa* and *Syzygium jambose* to developed new polyherbal formulation useful to treat diabetes mellitus. *Adenanthera pavonina* belongs to the Mimosaceae family, commonly known as the red-beaded tree. It is an important medicinal plant of the "Indian subcontinent". Various parts of *Adenanthera pavonina* being traditionally used plants, have been used in the treatment of gout, diabetes, diarrhea, asthma, inflammation, rheumatism, tumors and ulcers and as a tonic [11]. Earlier phytochemical research has shown that the leaves contain octacosanol, dulcitol, beta-sitosterol glycosides, flavones and Stigmasterol and the alcoholic extract of the leaves contains an alkaloid. It is reported to have a large number of flavonoids, mainly gallic acid, terpenoids, tannins, sterols (beta-sitosterol, beta-sitosterol-3 β -D-glucoside), triterpenoids (nonacosane and entriacotane) and saponins (sapogenins) [12, 13]. *Kigelia Africana* (Bignoniaceae), known as the african sausage tree, is traditionally used as medicinal plant effective for a wide range of therapeutic activities, such as antidiabetic, anticancer, antimalarial, antibacterial, analgesic, antileprotic and anti-diarrheal, anti-inflammatory, anti-urolithiasis, antioxidant, etc. [14]. Whereas several compounds have been recognized from the plant such as lupeol, β -sitosterol, sitosterol- β -D-glucoside, canofilol, pomolic acid, hydroxypomolic acid, iridoids, naphthoquinones and coumarins with potential pharmacological activity [15, 16]. *Parkia biglandulosa* is a large, beautiful, evergreen tree known as the badminton ball tree because of its brown beaded flower heads that resemble a badminton ball [17]. Preliminary qualitative tests revealed the presence of plant metabolites such as carbohydrates, alkaloids, tannins, flavonoids, saponins, and glycosides. The secondary metabolites present in *Parkia biglandulosa* provide a basis for its traditional uses [18]. Various plants of parkia species are traditionally used to treat different ailments, such as diabetes, diarrhea, wounds, hypertension, cough, chronic hemorrhoids, conjunctivitis, and measles [19]. *Syzygium jambos* (Myrtaceae) has traditionally been used to treat asthma, chronic

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SYNTHESIS, CYTOTOXICITY, PDGFR INHIBITORY ACTIVITY AND DOCKING STUDY OF NOVEL 2-AMINOQUINOLINE-3- CARBOXAMIDE DERIVATIVES AS POTENTIAL ANTICANCER AGENTS

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Abstract

The goal of this work was to synthesize new substituted 2-aminoquinoline-3-carboxamide derivatives from substituted anilines utilizing the Vilsmeier-Haack reaction, and then to test these compounds for in vitro anticancer activity and molecular docking in order to identify prospective lead molecules. Substituted aniline, acetanilide, 2-chloro-3-carbaldehyde to carboxylic acid as well as coupling provide the lead compounds and were characterized by physical and spectral methods. In vitro cytotoxicity testing was done by using MTT assay method. Research on the binding interaction of the most effective drugs was conducted using AutoDock molecular docking tool. Novel Series of substituted 2-aminoquinoline-3-carboxamide derivatives have been synthesized as well as verified utilizing different spectral methods for example mass spectrometry, carbon-13 nuclear magnetic resonance, nuclear magnetic resonance, and infra-red. In a cytotoxicity testing vs a breast cancer cell line, synthesized compounds showed some potential (MCF-7). Four derivatives 6b, 6c, 6j, and 6o were shown to have more efficacy than Sunitinib in an in vitro cytotoxicity assessment research. Moreover compounds 6b, 6c, 6j, and 6o exhibited higher binding score at platelet-derived growth factor receptor active sites (PDB: 5GRN) compared with standard sunitinib. This article described the synthesis of sixteen novel substituted aniline results in substituted 2-aminoquinoline-3-carboxamide derivatives. The results showed that compounds 6b, 6c, 6j, and 6o exhibited promising anticancer activity. Sunitinib is currently the only approved inhibitor of PDGFR; however the 2-aminoquinoline-3-carboxamides showed promise as a more selective alternative. The above findings were also supported by molecular docking studies. These findings may serve as models for future research and derivatization, opening the door to the development of effective and precise PDGFR inhibitors.

Key words: Docking study, Quinoline-3-carboxamides, Vilsmeier-Haack reaction Synthesis, Cytotoxicity.

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Antidiabetic Evaluation Of Isolated Compounds From Pomegranates (*Punica Granatum*) Peels In Alloxan-Induced Diabetic Rat Model

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ABSTRACT

Pomegranates fruits have innumerable health benefits and its implication in diseases cure have been widely recognized since ancient time. Moreover, pomegranate fruits, seeds and peels are intensively used in traditional medicine as a natural therapy. It contains numerous valuable ingredients such as flavonoids, ellagitannin, punicalagin, ellagic acid, vitamins and minerals. The principal constituents including punicalagins and ellagitannin are responsible for immeasurable health benefits due to its strong antioxidant activity. Additionally, constituents of pomegranate show health promoting effect through the modulation of physiological and biochemical pathways. Recent evidences suggested that pomegranates fruits, peels extract revealed the decrease in blood glucose level when compared with non-treated diabetic rodents. In this way, the current investigation work was affirmed that the extract has significant hypoglycaemic impact.

Keywords- Pomegranates, *Punica granatum*, Antidiabetic activity, Alloxan induced, hypoglycaemic activity.

Introduction

Punica granatum L (pomegranate) is a deciduous shrub, native to Iran. Pomegranate has extensively been used as a source of traditional medicine. Pomegranate fruit has medicinal properties such as anti-inflammatory and antibacterial activities. The pomegranate seed oil has inhibitory effect on skin and breast cancers. The pomegranate seed oil has phytoestrogenic compounds and the fruit is rich in phenolic compounds with strong antioxidant activity. The fruit and bark of pomegranate are used against intestinal parasites, dysentery, and diarrhoea. The juice and seeds are considered a tonic for throat and heart. It is used to stop nose and gum bleeds and treating haemorrhoids. Today, *Punica granatum* L. as a fruit



Original Research Article

A JUXTAPOSITION OF ANTERIOR CERVICAL INTERBODY ANASTOMOSIS WITH AND WITHOUT INSTRUMENTAL BLENDING.

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ABSTRACT

Sr.	Age	Sex	Trauma			Degenerative			Others			Number of levels Fused	Anatomic Levels of Fusion							Fusion Rate	Speed of Fusion	Outcome			Loss of cervical lordosis/Segmental Kyphosis																
			Non Instrumental	Instrumental	Non Instrumental	Instrumental	Non Instrumental	Instrumental	Non Instrumental	Instrumental	C3-C4		C4-C5	C5-C6	C6-C7	Pseudarthrosis	At 6 Months	At 9 Months	At 12 Months			Excellent	Fair	Good	Seen	Not Seen															
1	65	M	Y	N	N	N	N	N	N	N	Y	N	N	N	Y	N	Y	N	N	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N					
2	30	M	N	N	N	N	Y	N	N	N	Y	N	N	N	Y	N	Y	N	N	Y	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y			
3	41	M	N	N	Y	N	N	N	N	N	N	N	N	Y	N	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y			
4	31	M	Y	N	N	N	N	N	N	N	N	Y	N	N	N	Y	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y			
5	55	M	N	N	Y	N	N	N	N	N	Y	N	N	N	N	Y	Y	N	N	N	N	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y		
6	58	M	N	N	N	N	Y	N	N	N	Y	N	N	Y	N	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y		
7	72	M	N	N	Y	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	
8	25	M	Y	N	N	N	N	N	N	N	N	Y	N	N	Y	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y		
9	36	M	N	Y	N	N	N	N	N	N	Y	N	N	N	N	Y	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	
10	70	M	N	N	Y	N	N	N	N	N	Y	N	N	Y	N	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y		
11	44	M	N	N	N	N	Y	N	N	N	Y	N	N	Y	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	
12	32	M	Y	N	N	N	N	N	N	N	N	Y	N	N	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	
13	49	M	N	N	N	N	Y	N	N	N	Y	N	N	N	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y
14	53	M	N	N	N	N	Y	N	N	N	Y	N	N	N	Y	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y
15	22	M	N	N	N	N	Y	N	N	N	Y	N	N	N	N	Y	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y
16	27	F	Y	N	N	N	N	N	N	N	Y	N	N	N	Y	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	
17	39	F	N	N	N	N	Y	N	N	N	Y	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y
18	62	F	N	N	Y	N	N	N	N	N	Y	N	N	N	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	
19	50	F	N	N	N	N	N	N	Y	N	Y	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y
20	46	F	N	N	N	N	Y	N	N	N	N	Y	N	N	N	N	Y	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y

Major dictum of the study was to investigate the efficacy of anterior cervical discectomy, iliac crest bone grafting, and fixation with anterior self-locking titanium cervical plates. In the field of spinal surgery, anterior cervical decompression and interbody fusion are frequently used to treat a range of problems that fall under the headings of traumatic injuries, cancer tumours, degenerative disc disease, Tuberculosis, and other ailments. An established surgical procedure for treating cervical degenerative disease, anterior cervical spine surgery has a high success rate and has been shown to have great long-term outcomes. The rationale for many surgical treatments is still debatable, and serious consequences that could result in neurological dysfunction or fatalities are possible. A six-month follow-up period was included in a prospective research of 20 patients of anterior cervical interbody fusions performed at our institute, Dr. D.Y. Patil Medical College, Hospital and Research Centre, Pimpri, Pune, between June 2018 and August 2020. According to a predetermined performa, a thorough history and clinical

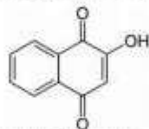


RESEARCH ARTICLE**Solubility Enhancement and Preparation of Antifungal Gel of Lawsone**Atul S. Sayare^{1*}, Pallavi P. Kamble¹, Prashant D. Ghode¹, Shweta P. Ghode²,
Vrushali V. Pawar¹, Shivani R. Yeole¹, Pranjali A. Mashakhtri¹¹Department of Pharmaceutical Quality Assurance, JSPM's Rajarshi Shahu College of Pharmacy and Research, Pune, (M.S.) India.²Department of Pharmacognosy, Rasiklal M. Dhariwal Institute of Pharmaceutical Education and Research, Pune (MS), India.*Corresponding Author E-mail: atulsayare@gmail.com**ABSTRACT:**

Lawsone is the principle colouring compound of Henna, *Lawsonia inermis* Linn. (Fam. Lythraceae). Lawsone shows low bioavailability because it is insoluble in water and less soluble in other solvents. The objectives of the study were to increase the solubility and dissolution rate of lawsone using by forming β -cyclodextrin (β -CD) inclusion complex and formulating this into a gel formulation for topical use. **Method:** The inclusion complex were prepared by taking lawsone to β -CD weight ratios of 1:1, 1:2, 1:4 and 1:8. By this technique solubility and dissolution rate of lawsone was significantly increased. The inclusion complex was characterized by FTIR and DSC. **Results:** Antifungal activity of lawsone gel was evaluated on *Candida albicans* fungi. The *in-vitro* drug release study was performed on goat skin. Antifungal activity of lawsone and β -CD complex (1:2) showed the biggest zone of inhibition as compared to other inclusion complexes. **Conclusion:** The antifungal activity of gel of inclusion complex of lawsone and β -CD showed significant antifungal activity.

KEYWORDS: Lawsone, β -cyclodextrin, Inclusion complex, Carbopol 940, Gel, Antifungal activity.**INTRODUCTION:**

Henna, *Lawsonia inermis* Linn. (Fam. Lythraceae) contains a red-orange coloured compound, known as Lawsone (2-hydroxynaphthalene-1,4-dione) (Figure 1)¹. It has limited solubility in water at 0.2%, soluble in ethanol, methanol, ethyl glycol and dimethyl formamide². Henna is well known to be useful in treating skin infections like tinea and also possess antibacterial property which is mainly due to the lawsone content³. But lawsone has very low bioavailability because of its limited water solubility and rapid rate of elimination from the body⁴.

**Figure 1: Chemical Structure of Lawsone**

Cyclodextrin (CD) inclusion complexation is one of the approaches used to enhance the solubility and bioavailability of poorly water soluble drugs⁵. There are numerous examples in the literature of β -CD complexes of drugs used to improve solubility and bioavailability^{6,7}.

Therefore, the key objective of present study was to prepare and evaluate the inclusion complex of lawsone using β -CD to increase the solubility and bioavailability of the drug. Another objective of this study was to prepare a topical gel by using lawsone- β -CD inclusion complex and to evaluate its antifungal activity.

MATERIALS AND METHODS:**Chemicals and reagents:**

Standardized lawsone (99%) was obtained from Sigma Aldrich, India. β -CD, carbopol-940, polyethylene glycol, triethanolamine, methyl paraben, propyl paraben, ethanol were purchased from ThermoSil Fine Chem Industries, Pune, India. Distilled water was used throughout this work.



Development and validation of RP-HPLC method for simultaneous estimation of Amitriptyline Hydrochloride and Propranolol Hydrochloride in pharmaceutical dosage form.

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ABSTRACT:

Reverse phase high performance liquid chromatography method has been developed and validated for simultaneous estimation of Amitriptyline Hydrochloride and Propranolol Hydrochloride in dosage form. This method uses C18 agilent column with 4.6 x 250mm length and 5 μ m particle size of packing material. Mobile phase is methanol: water pH 6 with TEA (70:30) with 1ml/min flow rate and 20 μ l volume injected. UV detection was carried out at 216 nm and the column temperature is 250C. The retention time of Amitriptyline Hydrochloride was 3.882 min. and 6.384 min of Propranolol Hydrochloride. The method is validated and calibration curve observed was linear in the concentration range of 5-25 μ g/ml for Amitriptyline Hydrochloride and 20-100 μ g/ml for Propranolol Hydrochloride. The method is validated for linearity, accuracy, precision, limit of detection and quantification, ruggedness and robustness.

Key Words: Amitriptyline Hydrochloride, Propranolol Hydrochloride, RP-HPLC, UV Detection.

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1. INTRODUCTION

Amitriptyline Hydrochloride is tricyclic antidepressant drug and is approved for the treatment of major depression.^[1] It is 3-(10,11-dihydro-5Hdibenzo[a,d]cyclohept-5-ylidene) propyl dimethylamine hydrochloride. It increase noradrenergic or serotonergic neurotransmission by blocking norepinephrine or serotonin transporter at presynaptic terminals.^[2] It contain tricyclic ring system with

an alkyl amine substituent on the central ring, may cause sedation.^[3] Propranolol Hydrochloride is a non-selective β -adrenergic antagonist with no intrinsic sympathomimetic activity. It is used in the hypertension, angina pectoris, myocardial infraction and cardiac arrhythmias.^[4] It is highly lipophilic and absorbed after oral administration.^[5] Propranolol Hydrochloride (RS)-1-[(1- methyl ethyl) amino]-3-(naphthalen-1-yloxy) propan-2-hydrochloride is antihypertensive. It competitively blocks both B1



Design, Docking, Insilco ADME Prediction Of Novel Indole Based Benzamide Scaffolds Targeting For Estrogen Receptor Alfa In Af-2 Domain For Effective Anticancer Treatment

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Abstract

Aim: To discover some novel indole based benzamide scaffold and their screening through in silico approach.

Background: Designed 7-substituted -1-(4-(piperidine-1-yl methoxy)benzyl)-1H-indole-3-carboxamide derivatives targeting on ER α modulators, several interactions between the ligand and amino acid residues that would probably elicit fruitful modulation of the receptor using 4XI3 pdb of ER α .

Objective: Studied in silico novel molecules of 7-substituted -1-(4-(piperidine-1-yl methoxy)benzyl)-1H-indole-3-carboxamide derivatives and test their abilities to modulate ER- α through human cell line cultures as anti-breast cancer agent.

Method: Designed novel 7-substituted -1-(4-(piperidine-1-yl methoxy) benzyl)-1H-indole-3-carboxamide derivatives and in silico method involved to study their virtual screening for the receptor modulation by molecular docking studies using Auto-dock Vina in PyRx. To determine the binding interactions for best-fit conformations in AF-2 binding site of the ER α receptor studied using Discovery studio visualizer (DSV) and ADME predictions by Swiss ADMET.

Result : The result based on the docking studies, The designed ligands B73bi, B73axiv B73bvi ,B73av, B73avi, B73avi, B73axiv, B74ai B74ai and B74bxiv have shown better Binding Affinity than rest, as compare with the standard drug Bazedoxifene (Baz). The observed result explained the presence of substitution at 7th position of the benzamide on indole scaffold containing alkyl, ester, amide, N,N diamine groups shows promising interactions like BZD. Therefore, B73aiii carrying halide (G Score= -10.3), B73av carrying methoxy benzoate (G Score = -9.9), B73axiv carrying ethoxy (G Score= -9.4) were found to interact suitably with the active amino acid residues in the targeted cavity where reported interaction with the standard to be involved.

Conclusion: The most promising substituted benzamide analogue on indole can be synthesized and evaluated to verify the anti-cancer activity for breast cancer.

Design, docking, MD simulation and *in-silico* ADMET prediction studies of novel indole-based benzamides targeting estrogen receptor alfa positive for effective breast cancer therapy

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Abstract

Breast cancer is one of the most common malignancies in women, afflicting millions of lives each year. Our current study suggests that the development of the most promising 7-substituted -1-(4-(piperidine-1-yl methoxy)benzyl)-1H-indole-3-carboxamide derivatives results in potent anticancer agents through *in-silico* investigations. The molecular docking was performed against estrogen receptor alpha (ER- α) positive (PDB ID: 3UUD) of breast cancer cells to anticipate the binding modes of the designed compounds and the likely mode of action. The interactions between the ligands and amino acid residues were thoroughly elucidated. The stability of the docked protein-ligand complexes was further confirmed by 100 ns molecular simulations methods. From *in-silico* studies, indole-based benzamides exhibited satisfactory physicochemical, drug-likeness and toxicity properties. To conclude, the most promising substituted benzamide analogs on the indole ring could serve as a possible modulator against ER- α positive breast cancer.

Keywords

breast cancer, estrogen receptor alpha, indole scaffold, benzamide, bazedoxifene, docking, molecular dynamics, swiss admet

Introduction

Breast cancer (BC) affects women globally at any age after puberty with increasing incidence in the future. Human breast cancer is the second largest cause of death in women. In 2020, there was 2.3 million women diagnosed with BC, with 685 000 deaths worldwide. As of the end of 2020, there were 7.8 million active instances of BC in women over the previous five years. Around 50% of BC develops in women due to BC risk factors other than gender, such as being female or being over the age of 40. Obesity, radiation exposure, excessive alcohol and tobacco consumption, reproductive disorders, and a family history of BC are all risk factors for BC (Ginsburg et al. 2020; Stoltenberg et al. 2020). Estrogen and the estrogen receptor (ER) are known to be prominent drivers of breast carcinogenesis and progression. In the case of estrogen-sensitive BC, the first-line treatment was hormonal therapy (Ariazi et al. 2006; Stein et al. 2006; Yager and Davidson 2006; Stingl 2011; Yue et al. 2013; Shoda et al. 2015; Ouellet et al. 2016). ER is in charge of managing the record of atomic DNA, which is thought to be a big part of breast malignant growth signal generation and provides a book biomarker of BC (Sotiriou et al. 2013). Selective estrogen receptor modulators (SERMs) that act on the ER, have been used in the clinical treatment of BC. SERMs are designed to compete with endogenous estrogens in order to regulate the activation of estrogen receptors (Huang et al. 2010). Ligand demonstrates an ER-mediated mechanism of action regulated by two distinct activation functions (AFs), AF-1 at the N terminus and AF-2 in the ligand-based domain (LBD). Growth factors regulate AF-1 activity via the MAP kinase pathway, whereas AF-2 activity is regulated by ligand binding to ER. According to recent structural studies, ligands modulate AF-2 activity by directly changing the structure of the LBD. A conformational change involving the translocation of helix-12, which is located on the C-terminus of the LBD, is requisite for AF-2 action (Shiau et al. 1998). SERMs bind to the ER and can function as receptor agonists or antagonists by altering receptor conformation and modifying co-activators (Jordan 2007; Swaby 2007; Pinkerton and Thomas 2014). Tamoxifen and raloxifen are two examples of SERMs that have been used in first and second line clinical treatment for ER resistant BC (Egea et al. 2000; Miller et al. 2001; Lindsay et al. 2009; Singla et al. 2018; Hendy et al. 2019; Tsuji et al. 2022).

The work presented here is based on the structure-based drug design (Srinivasan et al. 2017; Pang et al. 2018) which has focused on the computational investigation of indole-based benzamides targeting the AF-2 domain of ER (Brzozowski et al. 1997; Lavecchia and Di Giovanni 2013; Xiong et al. 2017). The entire ER protein consists of five different domains. Stimulation function 1 (AF-1) is found in domain A/B (N-terminal), and it participates in ER transcriptional activity by changing conformation in response to oestrogen activation (Lionta et al. 2014; Alsayari et al. 2017). The crystal structure (PDB ID: 3UUD) of the homo dimer estrogen receptor alpha (ER- α) represents a

human estrogen receptor-ligand-binding domain in complex with estrogen. It provides a suitable guiding template for studying the binding interactions of designed ligands within the AF-2 cavity where interactions can be viewed up to the proximity of 0.02 Å (Martinkovich et al. 2014).

Bazedoxifene (BSD, 1H-indo-5-ol, 1-[[4-[2(hexahydro-1H-azepin-1-yl)ethoxy)methyl] acetic acid, 2-(4-hydroxyphenyl)-3-methyl) is an indole derivative and third-generation SERM, which acts as an estrogen receptor antagonist in breast cancer (Huang et al. 2010; Sotiriou et al. 2013). This novel indole derivative functioned as a first-hand scaffold to work on and prepare congeners that would have similar binding properties in AF2 domain and modulate the transcriptional effects of ER- α . The chemical structure of the bazedoxifene is given in Fig. 1 (Riggs and Hartmann 2003).

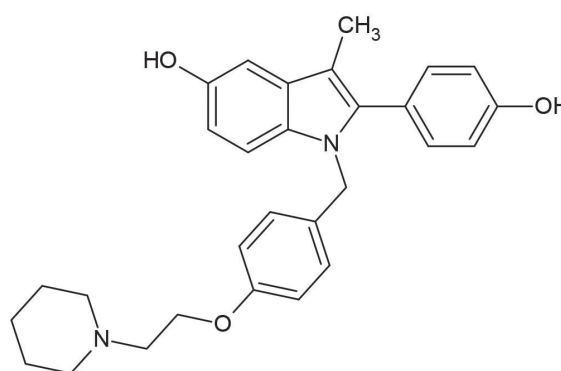


Figure 1. Chemical structure of bazedoxifene.

In designing, the scaffold of indole-based analogues involves substitution at the 7th position with benzamide, 3rd position with amide group and 3rd position with different alkyl group with ester and alkyl halide functional group and 1st position substituted with 1-((4ethylphenoxy)methyl)piperidine and 1-((4ethylphenoxy)ethyl)piperidine is mentioned in Table 1. The important amino acid residues (3UUD) that have been comprehensively studied and reported to constitute partly the AF-2 domain of ER- α , are His 524, Arg 394, Leu 428 (conventional hydrogen interactions), Met 343, Met 421, Thr 347, Leu 349, Glu 353, Gly 521 (van der Waals force of attractions), and Phe 404 (Pi-Pi stack interactions) have been reported between estrogen hormone and ER- α in 3UUD (Makar et al. 2020).

Materials and methods

Molecular docking

The molecular docking software, AutoDock Vina (Virtual screening tool) was employed for the docking study, and the Biovia Discovery Studio visualizer was used to study the 2D and 3D interactions of the ligand-receptor complex after docking. Molecular docking analyses were performed via the CB-Dock server (<http://clab.labshare.cn/cb-dock/php/>) (Liu et al. 2020). CB-Dock automatically

Preliminary pharmacognostic, physicochemical and phytochemical evaluation of *Sansevieria cylindrica* leaves

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Abstract

Background: *Sansevieria cylindrica* (*S. cylindrica*) Bojer ex Hook. (Asparagaceae) is an indoor ornate plant. The plant was conventionally utilized by the local healers during deliberate, and accidental injuries. The pharmacognostic study of this plant with different parameters was very poorly explored. Hence, the present investigation was carried out to explore, and evaluate different characteristics of the plant. **Aim:** To explore the preliminary pharmacognostic, physicochemical, phytochemical, microscopic, and phytoconstituents potential of *S. cylindrica* leaves for authentication of the plant. **Method:** The morphology, and microscopic properties of plant leaves were evaluated. The herbal standardization was then carried out based on physicochemical parameters including ash values, extractive values, and fluorescence analysis. The qualitative evaluation of phytoconstituents was performed using different chemical tests followed by quantitative estimation of important phytochemical, and analytical profiling of extract. **Result:** The macroscopy has studied for the basic features like colour, size, odor, shape, taste, surface, and fracture of plant leaves. The microscopical study confirms the presence of vessels, vascular bundles, lignified fibers, and calcium oxalate crystals etc. Physicochemical evaluation showed less quantity of inorganic matter present in the plant. Preliminary phytochemical analysis confirms the presence of glycosides, phenolic compounds, tannins, saponins, flavonoids, steroids, and carbohydrates. Instrumental analysis has given an idea about the identification, and confirmation of various phytoconstituents in the extract. **Conclusion:** The result of the present study can be meaningfully used as a reference for the standardization, and quality control of *S. cylindrica* and for the authentication, and preparation of monograph of the plant.

Keywords: *Sansevieria cylindrica*, Asparagaceae, pharmacognostic, phytochemical, physicochemical study.

1. INTRODUCTION

The utilization of medicinal plants against various health issues is a historical practice in many developing countries, and this kind of knowledge has been transmitted among communities from one generation to other¹. Medicinal plants are considered a potential source of raw materials, which are used for the manufacturing allopathy drugs. Many of the bioactive constituents of plants are being explored through their synergistic effect with chemicals and using synthetic chemistry to develop new drugs²⁻³. The medicines derived from plants are relatively considered safe, and affordable as compared to the synthetic alternatives offering profound therapeutic benefits⁴. However, in developed countries, the use of alternative medicines is always restricted because of a lack of documented evidence to its various assessment, and quality control measures⁵. Hence, its standardization through appropriate depiction of its pharmacognostic, physicochemical, and phytochemical parameters is a crucial stage to confirm the reproducible quality of herbal medication to aid us to justify its safety, and effectiveness.



BEFOREHAND AND AFTERMATH OF PLATING ON ANTERIOR CERVICAL SPINAL BLEND

5536

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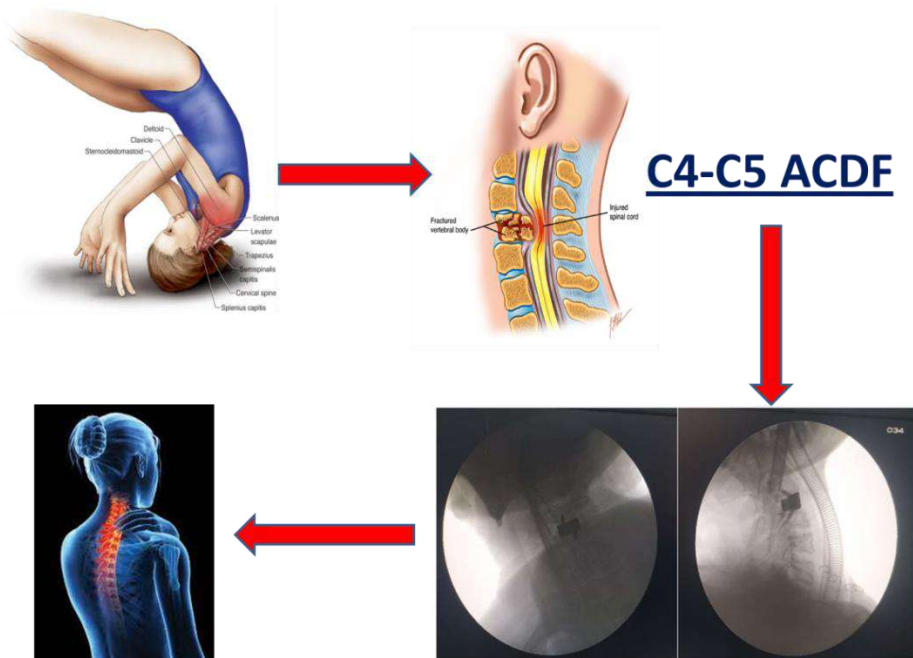
ABSTRACT

In the field of spine surgery, anterior cervical decompression and interbody fusion are frequently used to treat a wide range of illnesses like degenerative disc disease, traumatic conditions, tuberculosis, and tumours. The prime motto of the research paper is to provide the detail account of cervical fusion plating technique and to provide the proper inclusion exclusion criteria along with the case study to interns and specialist doctors. Our reports suggest up to 87% recovery and paper provides the steps of surgery as well as the follow Up Protocol and parameters to be accessed during the same. In final conclusion we can suggest technique as a game changer in mentioned state of affairs for the betterment of the patient.

Keywords: cervical fusion plating, frontal cervical spinal blend, degenerative disc disease, traumatic cervical conditions, cervical tuberculosis, and cervical tumours.

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INTRODUCTION

Surgery to remove a herniated or degenerative disc from the neck is called an anterior cervical discectomy and fusion (ACDF). To access and remove the disc, a cut is made near the throat. The bones above and below the disc are fused together with the use of a graft. Between 1950 and the beginning of 1960, Bailey-Badgley, Smith-Robinson, and Cloward developed the anterior cervical discectomy and fusion (ACDF) procedure.

Although this method has a few minor technical issues, the most concerning issues are pseudoarthritic segmental healing, fracture from graft compression, kyphotic segmental deformations, and graft dislocation. Placing an anterior plate on the treated section has proven effective in minimising these problems. The stiff plate construction let the segment be mechanically fixed firmly and hastened bone recovery. By dramatically lowering problems such as graft resorption, compression fractures, graft displacement leading to pseudoarthritic healing, and kyphotic angulation, anterior plates have shown promising results.(1,2,3)

In the field of spine surgery, anterior cervical decompression and interbody fusion are frequently used to treat a wide range of illnesses that fall under the following categories.

- Degenerative disc disease
- Traumatic conditions
- Tuberculosis
- Tumours
- Miscellaneous

Facet arthrosis, decreased intervertebral disc height, narrowing of neural foramina, osteophyte production, and disc degeneration are all symptoms of cervical spine degeneration. The cervical nerve's roots may be impinged upon by one or more discs, resulting in cervical radiculopathy symptoms. Paraesthesia, motor weakness, and discomfort along the distribution of one (monoradiculopathy) or several (polyradiculopathy) cervical nerve roots are some of the symptoms that may be present.(4,5,6,7,8)

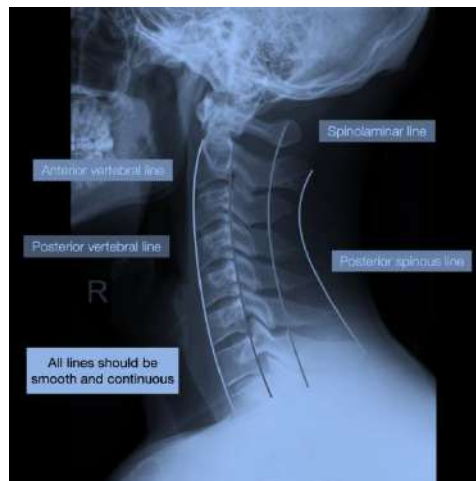


Figure 1. Normal Cervical Spine Anatomy

In their research on 51 cervical radiculopathy patients who were observed for two years, Lees and Tumer found that 25% had cervical symptoms that persisted or worsened, 30% had mild symptoms, and 45% had only one episode without recurrence. The worst result was caused by bilateral deterioration. The evolution of cervical for a limited number of people, disc damage is linked to ongoing pain, disability, and poor outcomes. patients' subgroup.

In 120 patients with cervical disc disease, Clarke & Robinson reported that they found that individuals with cervical myelopathy rarely experienced spontaneous reversal of neurological impairment. 75% of patients experienced an episode during which new symptoms and indicators of myelopathy progression occurred. 5% of patients had a quick beginning followed by a protracted period of stability, while 20% experienced a slow, constant course of the disease without phases of remission.(9,10,11,12). In our Study we found the similar results for pain and inflammation.

AIMS AND OBJECTIVES


To study the efficacy of fusion with anterior cervical discectomy, iliac crest bone grafting with or without fixation with anterior self-locking titanium cervical plates.

MATERIALS AND METHODS

Our facility at OT of Dr. D.Y. Patil Medical College, Hospital and Research Centre, Pimpri, Pune, does anterior cervical interbody fusions. According to a predetermined performa, a



Embelin isolated from *Embelia ribes* derived silver nanoparticles and its application in breast cancer nanomedicine

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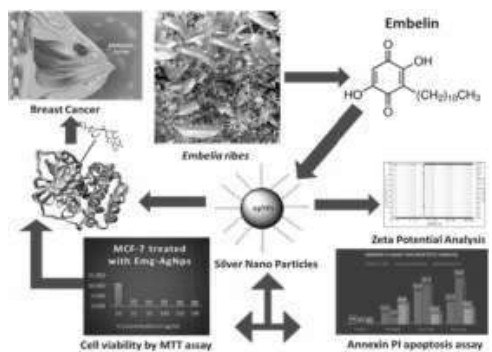
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Abstract

Breast cancer is one of the most predominant cancers in female claiming millions of lives every year. Our current research work proposes that the synthesis of silver nanoparticles using phytochemical constituent Embelin from *Embelia ribes* fruits provides significant result as a potent anticancer agent along with its probable mechanism of action depicted by molecular docking. UV-Visible spectroscopy was used to characterise Embelin-AgNPs, and the maximum absorbance was recorded at 374.5nm. Particle size determination indicated monodispersity of nanoparticles; particle size recorded as 25–30nm and zeta potential analysis well explained the stability of the nanoparticles. *In vitro* cytotoxicity study was done by MTT assay on MCF-7 cell line. Embelin-AgNPs induced apoptosis in MCF-7 cells as measured by the Annexin-V PI apoptosis assay. To predict the binding mode of ligand and receptor and probable mechanism of action in-silico study was done against ER alpha and HER2 receptors of breast cancer cells by molecular

docking and it has revealed Embelin could act as potential modulator against ER positive and HER2 positive breast cancers.

Graphical abstract



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Introduction

Cancer defines to a large and lethal, heterogeneous group of diseases with an underlying pathology identified by uncontrolled cellular growth. As cancer cells evades the growth suppressor signals, they turn out to be proliferative and invasive, eventually shows metastasis.[1] Breast cancer is still one of the leading causes of death among women worldwide and it is a type of tissue cancer which mainly involves inner layer of milk glands or lobules and ducts.[2] As per the statistics, breast cancer has accounted for 11.7 percent of all cancer cases in 2020, with approximately 685,000 fatalities. The World Health Organization lists a number of other risk factors, including heavy drinking and smoking, a family history of breast cancer, radiation exposure, reproductive history, early menopause, obesity and lack of physical activity, frequent miscarriages, and hormonal therapy used after menopause. Despite significant progress in understanding disease biology and various treatment aids including surgery, radiation therapy, chemotherapy and targeted therapy, effective breast cancer care has yet to be attained.[3] Number of side-effects, non-specificity, a high cost involved in treatment, re-occurrence and metastasis of cancer makes conventional therapies unsuitable.[4] Thus, there is an intent need to discover unique, target-oriented, safe, and low-cost therapeutic drug.

The development of nanotechnology, which provides remarkable solutions to cope with life-threatening disorders, has boosted advancement in the field of medical science. Nanotechnology is a multidisciplinary field comprising of biology, chemistry, and physics attributing to number of unique properties such as high surface area to volume ratio.[5] Metal nanoparticles (particle size smaller than 100nm) have a wide range of applications due to a variety of unique characteristics. Different chemical and physical methods such as chemical reduction of metals, photochemical reduction, and electrochemical processes are widely used for synthesis of nanoparticles.[6] However, these production techniques are labour-intensive, costly and potentially harmful to the environment and living organisms. The alternate, eco-friendly and cost-effective approach which have gained importance in past few years is 'Green synthesis' method of nanoparticles



Formulation and Appraisal of innovative acyclovir emulsion

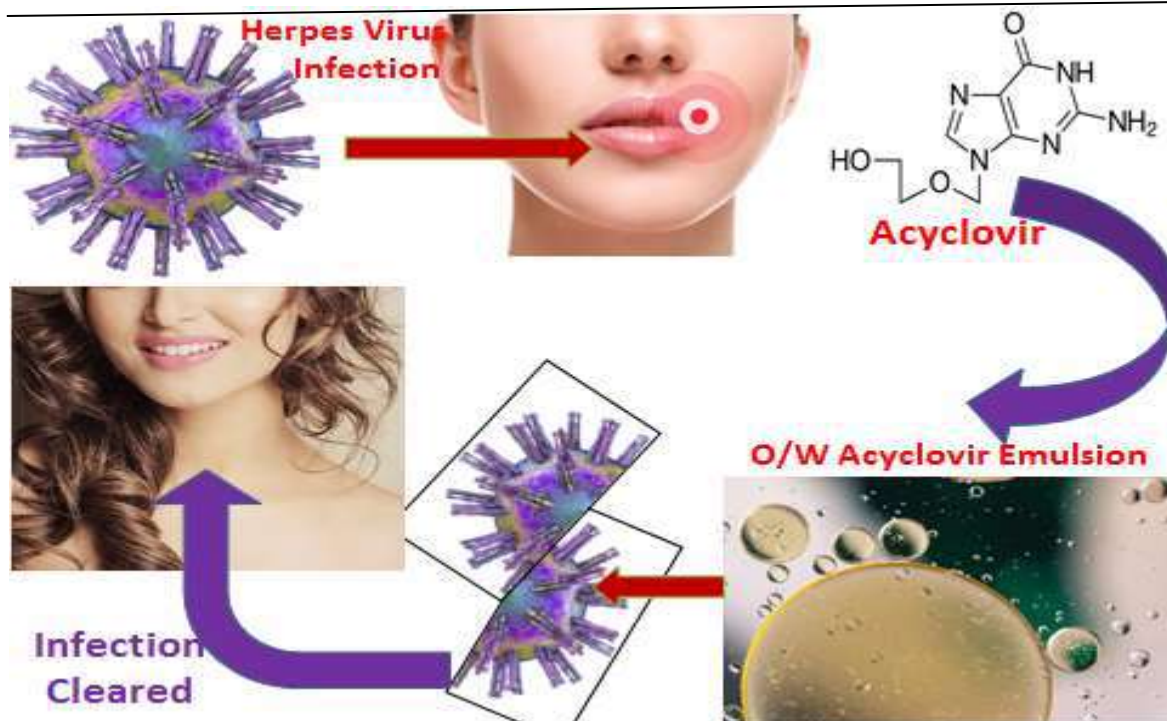
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Abstract:



6968

Introduction: The main aim is to develop a formulation which is an effective and easy-to-use product with good penetration property and a safe, stable, efficacious, patient compatible product like emulsion. Oral Herpes or cold sores is an infection caused by Herpes Simplex, a viral disease that can lead to painful sores on the lips and mouth (oral herpes) and anogenital area (generally referred to as "herpes"). Herpes Virus (HSV) Type 1 was responsible for the former and Type 2 for the latter. The combination of ingredients in the formulation aids in good stability, better penetration property and quicker healing.

Materials and methods: For the treatment of Herpes Simplex Virus (HSV) types 1 and 2, acyclovir is an effective antiviral medication. The treatment of varicella-zoster virus infections is also helped by this medication. There are several acyclovir products available on the market, including tablets, ointments,



and intravenous injections. The acyclovir analysis technique used in pharmaceutical preparations is covered in this article. Studies conducted prior to formulation assisted in creating an acceptable dose form. Acyclovir formulation of emulsion can be examined using FTIR and UV-Vis spectrophotometry.

Results and Discussions: UV spectroscopy confirmed the maximum at 251 nm. Experimental results showed that the drug's melting point is 246°C, confirming that it is acyclovir.

Conclusion: We can conclude that the methods and procedures used to create a new formulation of acyclovir for cold sores (cold sores) have been successfully developed and tested.

Key words: *Acyclovir, Herpes simplex virus, HSV-1 & HSV-2,*

DOI Number: 10.14704/nq.2022.20.11.NQ66693

NeuroQuantology2022;20(11):6968-6980

Introduction:

Herpes simplex virus, also known as HSV, is classified into 2 forms, HSV-1 and HSV-2, commonly known as herpes, is an oral to oral or sexually transmitted disease in which HSV-1 can cause oral and genital herpes. But HSV-2 is only known to cause sexually transmitted herpes. According to WHO, about 3.7 billion people under the age of 50 are infected with HSV-1, of which about 491 million are infected with HSV-2, accounting for (67%) and (13%) of the total cases, respectively. Oral herpes caused by HSV-1 is usually asymptomatic, but symptoms of an HSV-1 infection include painful blisters or sores called herpes and other symptoms include tingling and accompanying itching, burning sensation around the infected parts of the mouth. [23]

- 1) **Treatment** :Treatment of herpes involves the use of antiviral drugs, the most effective and commonly used are acyclovir, valacyclovir, and famciclovir. Because herpes doesn't have a cure, these medications help prevent the severity and recurrence of symptoms. The daily dose of acyclovir for the treatment of genital herpes is approximately 200-400 mg, 4-5 times a day, and for topical treatment of herpes labialis and 400 mg orally twice a day. Recurrent lesions around the lips can be irritating, so a quick and effective solution is needed, usually the use of topical 5-cyclovir ointment.
- 2) **Formulation** :Emulsion is a heterogeneous system consisting of one immiscible liquid dispersed in another in the form of droplet. Such system possesses minimal stability because of droplet but we can increase

stability by using emulsifying agent or emulsifiers. Emulsion can increase stability of many drugs that are unstable in aqueous solution. It improves penetration, spreadability and prolongs drug action. Commercially, many dosage forms are available for the treatment of herpes. It is recommended that people with active symptoms of oral herpes abstain from sexual activity, oral contact, and sharing objects contaminated with saliva. Since HSV-1 and HSV-2 can be transmitted even without obvious symptoms, creating a recipe without unnecessary contact with other parts of the body, such as fingers, hands, eyes, etc.

Close contact with a person who is exuding the virus, who may or may not have an active lesion, commonly at a mucosal surface or in genital or oral secretions, is how the infection is typically spread. If the virus comes into touch with skin surfaces that are vulnerable, infection results. Additionally, it may result in symptoms like fever and muscle aches, making it difficult to eat and drink. This results in insufficient nutrition intake, which then causes weakness and dehydration. [1]

Acyclovir (ACV, 9-(2-hydroxyethoxymethyl)guanine, is a guanine derivative with antiviral activity and commonly used in the treatment of herpes. It is a potent antiviral agent used as a highly specific inhibitor for herpes viruses (HSV) types 1) and 2 [3-7]. 'herpes simplex types 1 and 2, show anti-inflammatory effects similar to that of the parent compounds ACV and ganciclovir used to treat infections associated with Herpes simplex virus I & II and varicella zoster virus Also shown



Study Of The Properties And Behaviors Of Nanoparticles And Their Potential Applications In Medicine And Catalysis

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DOI: 10.47750/pnr.2023.14.03.477

Abstract

Our Research "Study of the properties and behaviors of nanoparticles and their potential applications in medicine and catalysis" is a Nanotechnology fundamentally affects medication as of late, its application being alluded to as nanomedicine. Nanoparticles have specific properties with biomedical applications; nonetheless, in certain circumstances, they have shown cell harmfulness, which has caused concern encompassing their clinical use. In this audit, we center around two angles: first, we sum up the kinds of nanoparticles as per their compound arrangement and the overall qualities of their utilization in medication, and second, we survey the uses of nanoparticles in vascular modification, particularly in endothelial brokenness connected with oxidative pressure. This condition can prompt a decrease in nitric oxide (NO) bioavailability, thus influencing vascular tone guideline and endothelial brokenness, which is the main stage in the improvement of cardiovascular illnesses. Consequently, nanoparticles with cancer prevention agent properties might further develop vascular brokenness related with hypertension, diabetes mellitus, or atherosclerosis.

KEY: properties, behaviors, nanoparticles, potential, applications, medicine, catalysis.

Introduction

The development of nanotechnology and its combination with different trains, for example, biomaterial science, cell and atomic science, and medication, alluded to as nanomedicine, stand out of biomedical exploration because of its likely applications in the analysis and therapy of illnesses. Nanoparticles (NPs) are the principal framework utilized in nanomedicine, as theranostic specialists with high sub-atomic explicitness [1-3]. Because of their size (1-100 nm), nanoparticles have a huge surface region to-volume proportion, which permits them to ingest high amounts of medications [4] and to be spread effectively all through the circulation system [5]. Their bigger surface region gives them extraordinary qualities, as it works on their mechanical, attractive, optical, and reactant properties, subsequently expanding their potential pharmacological use [4].

Concentrates on the likely impacts and advantages of NPs in sicknesses including oxidative pressure are getting developing consideration. Cardiovascular gamble factors, for example, hypercholesterolemia or hypertension advance the age of receptive oxygen species (ROS), which prompts the oxidative pressure seen in provocative sicknesses, for example, atherosclerosis [6]. Consequently, the support and advancement of cell reinforcement



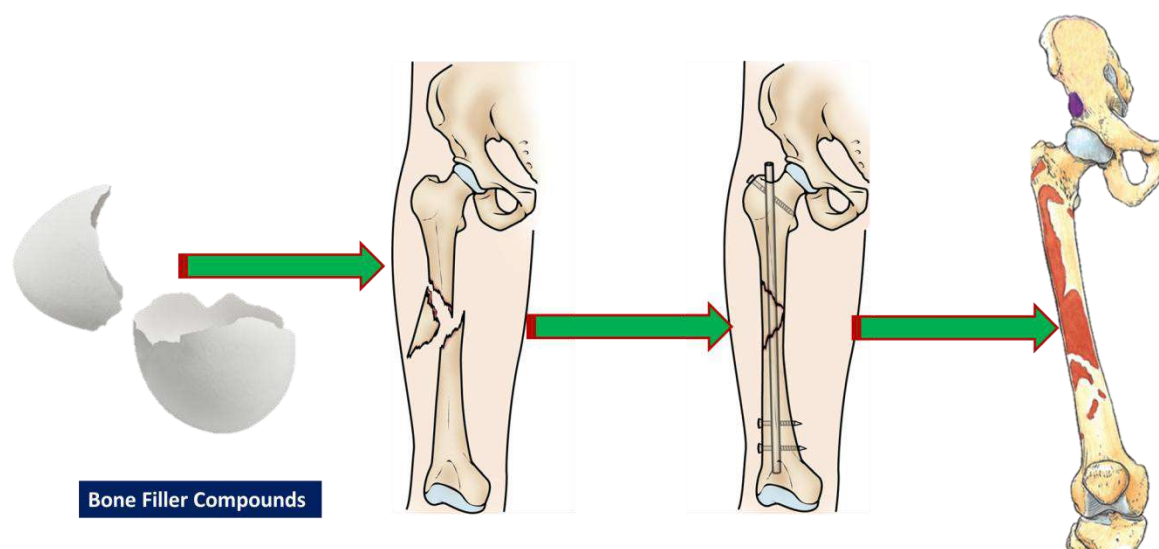
Waste to Wealth: An approach to HAp synthesis by different methods.

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Abstract-Waste materials are an important source for the recovery and extraction of various valuable compounds. Transforming these wastes into valuable compounds require various techniques and approaches. It is the requirement to design various functional bioactive substitute materials that are able to survive the harsh and diverse conditions within the human body. Biomaterials are gaining increased importance due to their applicability to ageing population and treating diseases. Biomaterials acts to restore, repair or to replace any tissue that has been damaged in the body thus increasing the life expectancy. Hydroxyapatite (HAp) is one of the biomaterials obtained from the natural waste materials. It is universally used in biomedical because of its bioactivity, biocompatibility, remarkable oestoconduction property, etc. HAp is receiving importance in orthopaedic implants and also in dental materials. This review outlines the various methods of extraction of HAp from various natural sources like marine, aquatic, mammalian, shell, plant and algae. The Ca/P, crystallinity, particle shape, size, morphology and clinical studies are also discussed.



Keywords: *Hydroxyapatite, Natural Product Chemistry, Bio-waste, Bio-implants, Natural Resources*

Novel Film Forming Spray from Tea Tree Leaves with Special Emphasis on Development, Formulation and Evaluation

Swati N. Deshmukh^{1*}, Vanita Gade¹, Aniket Garud^{2*}, Rahul Dumbre¹, Bhagyashri Warude², Sunita Maharaj¹, Swapnali Girme¹ and Sunita Shewalkar¹

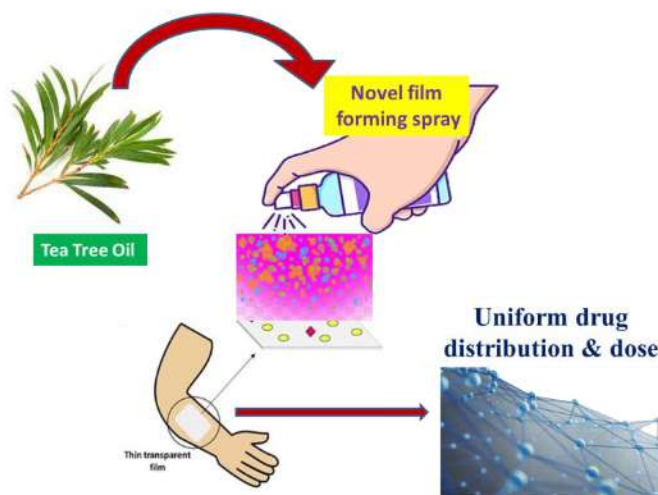
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ABSTRACT

The dictum of this study was to develop topical film forming spray having tea tree oil which might increase wound healing. Film-forming sprays supply several benefits compared to standard topical preparations as a result of they will give uniform drug distribution and dose, increased bioavailability, lower incidence of irritation, continuous drug unleash, and accelerated wound healing through wet management. Film-forming sprays comprises polymers and excipients that improve the characteristics of preparations and enhance the soundness of active substances. every style of chemical compound and excipient can turn out films with completely different options. Therefore, the varied sorts of polymers and excipients and their analysis standards ought to be examined for the event of alot of best kind of film-forming spray. The chosen literature enclosed analysis on formulation and analysis of film forming spray victimization polymers and plasticizers as film-forming matrices for potential medical use. This text discusses the categories and concentrations of polymers and excipients, sprayer varieties, evaluations, and significant parameters in decisive the sprayability and film characteristics. Ultimately we have a tendency to conclude that the developed film forming spray formulations were clear, sleek and versatile in physical look. The analysis studies were conferred ability to evaporate speedily on applies, hydrogen ion concentration becomes like that of traditional skin offered of lower skin irritation. Spray is a lot of convenient to use, may be applied simply therefore improve patient acceptance and compliance.

Keywords: Tea Tree leaves, Melaleuca alternifolia, Novel film forming spray, topical drug delivery



INTRODUCTION

Injuring the skin increases the risk of infection by damaging the protective layer. This can further cause systemic infections and increase

the level of complications¹ Local routes of drug delivery, targeting systemic or local effects, offer several benefits, including avoidance of first-pass metabolism, low pH and enzymatic



Original Research Article

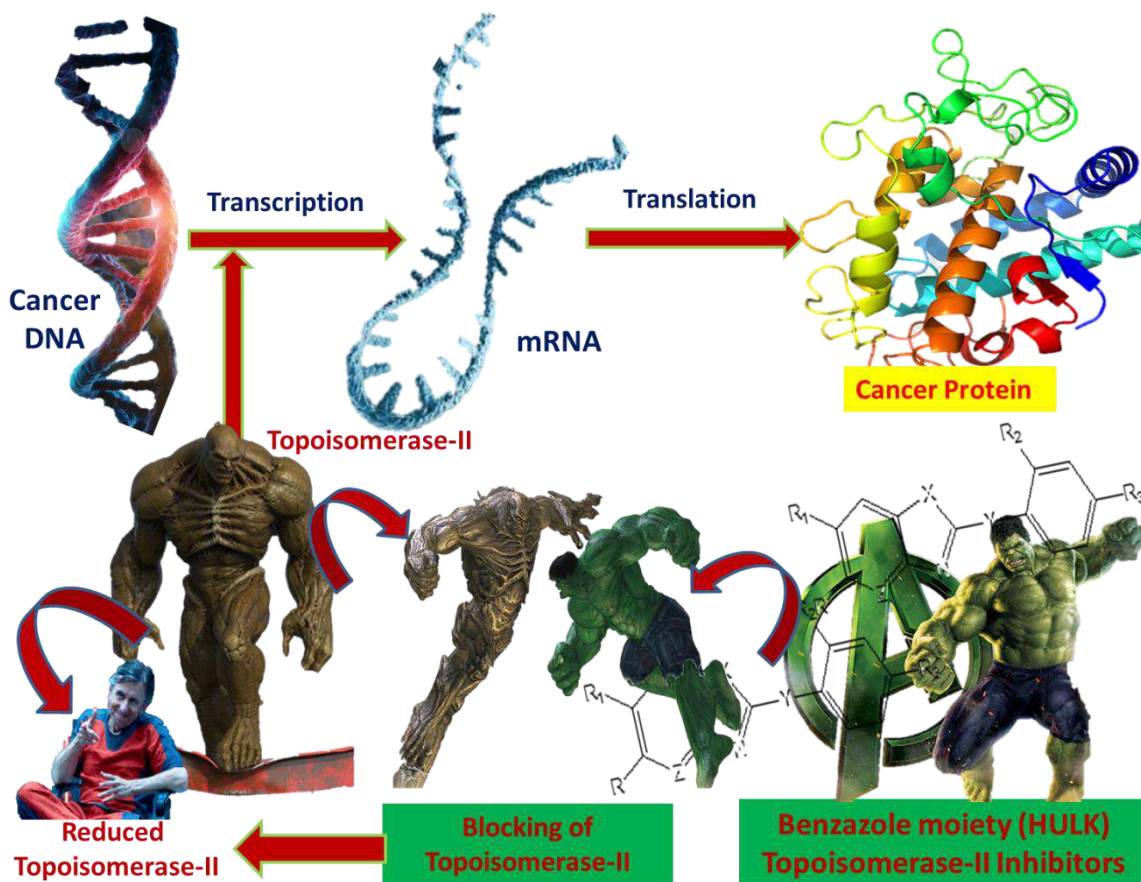
Evaluation of novel topoisomerase II inhibitors as anti-cancer agents through advanced computational strategies.

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Abstract:



Over the past ten years, there have been a surprising number of advancements in the discovery of anticancer drugs. The development of selective topoisomerase II inhibitors has been a constant endeavour for more than 30 years. Eukaryotic cells require the enzyme DNA topoisomerase II to function. The DNA helix's topology is altered. The enzyme has a biological advantage, but it also has a pharmacological benefit because many anticancer drugs choose to target it. We have improved the benzazole moiety by employing molecular modelling studies in an effort to generate effective and harmless anti-neoplastic medicines. Results of 2D and 3D QSAR experiments for a series of 23 compounds are presented in this study. Results of 2D and 3D QSAR investigations for a series of 23 compounds including 5, 6-substituted-2-(2,4-disubstituted phenyl)-H-Benzazole derivatives are presented in this work. Using the partial least squares approach and principle component analysis, 2D QSAR experiments generated significantly effective prediction models with high cross-validated r^2 values of 0.7308 & 0.8443, respectively. Using the SA-KNN approach, 3D QSAR studies generated r^2 of 0.7647 and q^2 of 0.5551. Molecular modelling studies, such as 2D, 3D QSAR and docking studies, were carried out to gain detailed insights of the steric, electrostatic, and hydrophobic features required around the benzazole pharmacophore in order to better understand the relationship between structure and biological activity and to optimise the pharmacophore for design for New Chemical Entities (NCEs) with the better selectivity and subsequently better potency. In order to ensure the Drug like pharmacokinetic profile of the designed NCEs with the aid of Schrodinger Inc. software, docking and ADME properties of benzazole analogues were examined. Results were found to be comparable with standards and indicated that benzazole analogues have good binding affinity for topoisomerase II enzyme at ATP binding site using 1zxm pdb. Adenosine nucleotide triphosphate was reported to bind more selectively in the active binding pocket of 1ZXM enzyme and was compared to marketed medication Novobiocin in 4 out of 20 constructed NCEs.

In conclusion, the theoretical justification for pharmacophore optimization was confirmed, and it will now undergo wet lab work, specifically manufacturing and biological testing utilising the cell line assay. This paper will show the results of the current research activity and the in-depth research studies.

Key Words: Topoisomerase II inhibitor, Benzoxazole derivatives, LeadGrow, NCEs, 2D QSAR, 3D QSAR, Docking.

DOI Number: 10.48047/nq.2022.20.19.NQ99024

NeuroQuantology2022; 20(19):264-294

Introduction-

A nuclear enzyme called TOPOISOMERASE II (topo II) is essential for untying DNA tangles in the chromosomes during chromosome

segregation and replication, transcription, and cell division. It is a homodimer in its active state and a 170 kDa protein. Using a double-strand-passage mechanism, the





DETAILS OF COLLABORATIVE PATENT PUBLICATIONS

Sr No.	Name of Inventor	Date of publication	Title of Invention	Collaborating institute
1	Dr. Sameer H. Lakade	27/01/2023	“Sol-Gel Strategy For Synthesis of Mesoporous Alumina And Passive Loading Approach For Direct Delivery of 5-Fluorouracil	P. E. Society's Modern College of Pharmacy, Sector 21, Yamunanagar, Nigdi, Pune
2		30/12/2022	Facile Synthesis of Ordered Mesoporous Γ Alumina With Tunable Structural Properties	P. E. Society's Modern College of Pharmacy, Sector 21, Yamunanagar, Nigdi, Pune



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॥ विद्ययाऽमृतमश्नुते ॥



(<http://ipindia.nic.in/index.htm>)



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Patent Search

Invention Title	"SOL-GEL STRATEGY FOR SYNTHESIS OF MESOPOROUS ALUMINA AND PASSIVE LOADING APPROACH FOR DIRECT DELIVERY OF 5-FLUOROURACIL"
Publication Number	04/2023
Publication Date	27/01/2023
Publication Type	INA
Application Number	202221072221
Application Filing Date	14/12/2022
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	CHEMICAL
Classification (IPC)	B82Y0005000000, A61K0009510000, A61K0049000000, A61P0035000000, A61K0009160000

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Dr. Praveen Digambar Chaudhari	P. E. Society's Modern College of Pharmacy, Sector 21, Yamunanagar, Nigdi, Pune – 411044, Maharashtra	India	India

Abstract:

The present invention relates to a process of synthesis of mesoporous alumina from Cetyl trimethyl ammonium bromide (CTAB) surfactant using sol-gel technique. The synthesized mesoporous alumina acts as a carrier for Controlled release /Sustained release of drugs, use as a carrier for Tumour targeting applications, Gene therapy applications, Photodynamic therapy, Agents for magnetic resonance imaging and carrier for drug delivery of molecules. The passive loading approach was used for the encapsulation of 5-Fluorouracil (5FU) within the pores of the mesoporous nanostructure of MA. The entrapment efficiency was calculated using UV-Vis spectrophotometric analysis and was found to be 36%. The in vitro dissolution study indicated the gradual release of 5FU for up to 5 h compared to free 5FU. Cytotoxicity assay confirms prominent inhibition potential of 5FU at lower doses and shows synergistic potential.

DESC:FIELD OF THE INVENTION

The present invention relates to a method for synthesis of mesoporous alumina from and its application for controlled release drug delivery of anticancer drug like 5-Fluorouracil, Specifically, the method involves the sol-gel technology, it is a wet chemical technique that uses either a chemical solution or colloidal particles to produce and integrated network. The present invention offers an advantages in drug delivery of anti-cancer drugs through mesoporous alumina.

BACKGROUND OF THE INVENTION

Mesoporous material is a material containing pores with diameter between 2 to 50 nm. Metal oxide nanoparticles are attractive material and have a well-defined shape, greater surface area, greater pore volume and an overall narrow size distribution. Large surface area of mesoporous alumina particles can accommodates the large quantity of model drug (or guest molecule). The main advantage of using such metal precursors is their easy decomposition that can be achieved in solution, and under mild condition. This allows the control of the particles size; shape and surface area and a mono disperse assembly of particles having the desired properties.

Composite colloidal particles consist of at least two types of materials, often with one on the outside and another in the center of the particle. These composite particles combine different material properties such as specific bio-chemical, optical, electrical, magnetic and mechanical properties. The mesoporous alumina are not only biocompatible but are also known for actively promoting the tissue regeneration via physico-chemical routes.

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पेटेंट कार्यालय
शासकीय जर्नल

**OFFICIAL JOURNAL
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THE PATENT OFFICE**

निर्गमन सं. 52/2022
ISSUE NO. 52/2022

शुक्रवार
FRIDAY

दिनांक: 30/12/2022
DATE: 30/12/2022

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

(54) Title of the invention : FACILE SYNTHESIS OF ORDERED MESOPOROUS γ ALUMINA WITH TUNABLE STRUCTURAL PROPERTIES

(51) International classification :B01J0037000000, B01J0035000000, B01J0035100000, B82Y0030000000, C01B0032050000

(86) International Application No :NA
 Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
 Filing Date :NA

(62) Divisional to Application Number :NA
 Filing Date :NA

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4)Dr. Sameer H. Lakade
 Address of Applicant :R. M. Dhariwal Institute of Pharmaceutical Education and Research, Pune, Maharashtra -----

(57) Abstract :

The present invention relates to a process of synthesis of mesoporous - alumina using a sol-gel strategy is studied by using dodecyltrimethylammonium bromide surfactant as a novel structure directing template with aluminium chloride as an inorganic metallic precursor. Development of the mesoporous structure is confirmed by the results of a BET (Brunauer-Emmett-Teller) for porous structural properties like pore size and size distribution, transmission electron microscopy (TEM) for nano-scale morphology, scanning electron microscopy (SEM) for surface morphology, energy dispersive X-ray Analysis (EDX) for presence of alumina, X-ray diffraction (XRD) for bulk crystallinity, Fourier transform-infrared spectroscopy (FT-IR) for confirming its prime characteristics peaks of functional groups. Elemental analysis and X-ray diffraction revealed the formation of -Al₂O₃ after calcination at 700°C. Results of characterization study revealed the successfully synthesized MeAl which showed excellent stability with an expanded surface area suitable for carrier material for drug delivery system

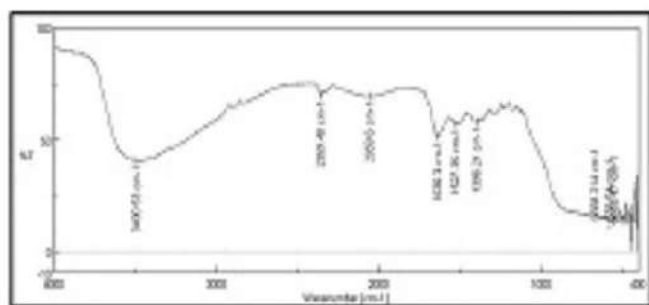


Fig. 1 FTIR spectra of synthesized mesoporous γ alumina

No. of Pages : 29 No. of Claims : 4

॥ परमं ज्ञानं सती दया ॥



Shri Jain Vidya Prasarak Mandal's

**Rasiklal M. Dhariwal Institute of
Pharmaceutical Education & Research**



[Formerly Shri Fattechand Jain College of Pharmacy (B.Pharm.)]

Approved by PCI, AICTE, New Delhi, DTE Code : PH-6823 & Affiliated to Savitribai Phule Pune University (PU/PN/Pharm/448/2014)

NAAC Accredited with A+ (CGPA - 3.46)

**Number of Collaborative Activities
(Faculty Exchange)
(2022-23)**





SEMINAR/WORKSHOP/WEBINAR/FDP ATTENDED BY FACULTY

Sr no	Date	Name of faculty	Type of event	Title	Organization Institute
1	2/2/23 to 3/2/23	Dr. Shweta P. Ghode	State level workshop	Industry-Institute Linkages	Rajarshi Shahu College of Pharmacy & research, Tathwade, Pune.
2	1/3/23 to 5/3/23	Dr. Rohini C. Kolhe	National level FDP	Innovation, Research and IPR- Journey Towards Excellence	BVB's Sardar Patel College of Engineering & Shri Sant Gadgebaba College of Engineering & Technology, Bhusawal
3	21/2/23 to 22/2/23		State level workshop	Implementation of NEP 2020 SWAYAM MOOCs	JSPM Charak College of Pharmacy & Research, Wagholi, Pune
4	10/2/23 to 11/2/23	Dr. S. P. Ghode Dr. S. H. Lakade Dr. V. S. Nehrkar Dr. P. S. Chaudhari Dr. P. N. Chhajed Dr. R. C. Kolhe Mr. R. P. Raut Dr. A. A. Garud Mrs. H. H. Puranik Mr. S. D. Rede Ms. T. A. Sande Mr. A. P. Kakde Mr. D. V. Panke Ms. B. J. Warude	State level seminar	Multidisciplinary Education: Application of CADD in Teaching & Research	Rasiklal M. Dhariwal Institute of Pharmaceutical Education & research, Chinchwad, Pune
5	26/05/23	Mrs. Manisha Khaire	National webinar	Intellectual property on Artificial intelligence and Machine learning	Dept of computer science, Shri Bhagwan mahaveer Jain first grade college, KGF
6	27/02/23	Ms. Harshada H. Puranik	International conference	Emerging trends in pharmaceutical care in digital era	Modern Colleg of Pharmacy, Nigdi, Pune in collaboration with Operant Pharmacy Federation
7	13/02/23 to 14/02/23		National level workshop	Adoption of guidelines on NHEQF and curriculum framework and credit system for four year undergraduate programme	Dr. D. Y. Patil college of pharmacy, Akurdi
8	13/06/22 to 18/06/22		National e-workshop	Innovation and Intellectual property Rights	Innovative Technology Enabling Centre CSIR-IMMT, Bhubneshwar
9	28/12/22		Webinar	Opportunities in Pharmacy & Research	AISSMS College of Pharmacy, Pune



Rasiklal M. Dhariwal Institute of Pharmaceutical Education & Research



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NAAC Accredited with A+ (CGPA - 3.46)

10	18/06/22	Ms. Harshada H. Puranik	Online Impact lecture series session-I	Innovation and IPR	IIC Santhiram college of pharmacy, nandyal in association with AICTE and MHRD
11	15/12/22 to 21/12/22		National level expert talk series	Health and Society- Classical and Temporary Approaches	Innovative Technology Enabling Centre CSIR- Institute of minerals and material technology, Bhubneshwar
12	11/03/23 to 28/05/23		International FDP	Emerging trends in phyto-pharmaceutical research	Dr. D. Y. Patil Institute of pharmaceutical Sciences and Research, Pimpri, Pune
13	12/09/22		National FDP	Assessment strategy for OBE: mapping and Attainment	AISSMS college of pharmacy, Pune
14	20/09/22		National webinar	Quality sustenance and quality improvement: issues and challenges	AISSMS college of pharmacy, Pune in collaboration with NAAC
15	14/01/23		seminar	Interdisciplinary research in pharmacy: NEP 2020 perspective	Vivekanand education society's college of pharmacy, chembur, Mumbai and konkan gyanpeeth rahul dharkar college of pharmacy and research institute, karjat
16	23/03/23 to 25/03/23	Ms. Warude Bhagyashri	National level e-FDP	Effective research proposal and manuscript writing	Sir Dr. M. S. Gosavi college of pharmaceutical Education and Research, nashik
17	20/09/22		National webinar	Quality sustenance and quality improvement: issues and challenges	AISSMS college of pharmacy, Pune in collaboration with NAAC
18	12/09/22		National FDP	Assessment strategy for OBE: mapping and Attainment	AISSMS college of pharmacy, Pune



Dr. S. G. Walode

PRINCIPAL

Rasiklal M. Dhariwal Institute of
Pharmaceutical Education & Research
Chinchwad Station, Pune-411019



SHYAWANT SHIKSHAN PRASARAK MANDAL'S

Rajarshi Shahu College of Pharmacy and Research

Tathawade, Pune-411033

(Accredited by NAAC 'A' Grade)

Organized

Savitribai Phule Pune University Sponsored Two Days State Level Workshop on

"Industry-Institute Linkages"

CERTIFICATE

This is to certify that Dr./Pr/bt./Mr./Ms./M/s. Shweta P. Ghode has

participated as a Resource Person / Delegate in the two days state level seminar on "Industry-

Institute Linkages" organized by JSPM's Rajarshi Shahu College of Pharmacy and Research,

Tathawade, Pune on 2nd and 3rd February 2023.

Dr. Trupti Deshpande
Co-ordinator

Dr. K. R. Khandelwal
Principal





SAEINDIA
WESTERN SECTION



One Week National Level Faculty Development Program on

" INNOVATION, RESEARCH AND IPR - JOURNEY TOWARDS EXCELLENCE "

from 1st March 2023 — 5th March 2023

CERTIFICATE OF COMPLETION

PRESENTED TO :

Rohini Chandrakant Kolhe

for successfully completing the One Week Online National Level Faculty Development Program on "INNOVATION, RESEARCH AND IPR - JOURNEY TOWARDS EXCELLENCE" held from 1st March 2023 — 5th March 2023 organized by BVB's Sardar Patel College of Engineering, Mumbai & HSM's Shri. Sant Gadge Baba College of Engineering & Technology, Bhusawal in collaboration with SAE India Western Section, Institution's Innovation Council, Indian Institution of Industrial Engineering and Federation of Education Leaders and Administrators under IQAC of SPCE, Mumbai and SSGBCOE&T, Bhusawal.

CERTIFICATE NO: 10223IRIPR1189

Dr. Santosh Rane

Convener

Former Dean Academics and Faculty,

SPCE Mumbai

Dr. Rahul Barjibhe

Principal,

SSGBCOE&T Bhusawal

Dr. M.M. Murudi

I/c Principal,

SPCE Mumbai

**JAYAWANT SHIKSHAN PRASARAK MANDAL'S
CHARAK COLLEGE OF PHARMACY AND RESEARCH**

WAGHOLI, PUNE-412207

Accredited by National Assessment and Accreditation Council



Savitribai Phule Pune University, Pune



Sponsored

**Two Days State Level Workshop under Quality Improvement Programme
on**

**Implementation of National Education Policy 2020
Theme- SWAYAM MOOCs**

This is to certify that *Dr./Mr./Ms./Mrs.* Rohini C. Kolhe has participated as Resource Person/Delegate in Savitribai Phule Pune University Sponsored Two Days Workshop on "Implementation of National Education Policy 2020: Theme- SWAYAM MOOCs organized by JSPM's Charak College of Pharmacy and Research, Wagholi, Pune, on 21st & 22nd February, 2023.

Dr. Sampada S. Jangam

Co-ordinator



Dr. Sagar B. Wankhede

Principal



॥ पढमं नाणं तओ दया ॥
Shri Jain Vidya Prasarak Mandal's



Rasiklal M. Dhariwal Institute of Pharmaceutical Education & Research

Acharya Anand Rushiji Marg, Telco Road, D-2, 60-61,
Chinchwad Station, Pune- 411019.

Certificate

Proudly Presented to

Dr. Shweta P. Ghode

For his / her precious presence as **Delegate** at Two days state level seminar on

“Implementation of National Education Policy - 2020”

Multidisciplinary Education : Application of CADD in Teaching and Research

sponsored by Savitribai Phule Pune University.

10th & 11th February 2023


Mrs. Harshada H. Puranik
Co-ordinator


Dr. Sanjay G. Walode
Principal, RMDIPER



॥ पढमं नाणं तओ दया ॥
Shri Jain Vidya Prasarak Mandal's



Rasiklal M. Dhariwal

Institute of Pharmaceutical Education & Research

Acharya Anand Rushiji Marg, Telco Road, D-2, 60-61,
Chinchwad Station, Pune- 411019.

Certificate

Proudly Presented to

Dr. Rohini C. Kolhe

For his / her precious presence as **Delegate** at Two days state level seminar on

"Implementation of National Education Policy - 2020"

Multidisciplinary Education : Application of CADD in Teaching and Research

sponsored by Savitribai Phule Pune University.

10th & 11th February 2023


Mrs. Harshada H. Puranik
Co-ordinator


Dr. Sanjay G. Walode
Principal, RMDIPER



ESTD : 8/9/1927



॥ पढमं नाणं तओ दया ॥

Shri Jain Vidya Prasarak Mandal's



Rasiklal M. Dhariwal

Institute of Pharmaceutical Education & Research

Acharya Anand Rushiji Marg, Telco Road, D-2, 60-61,
Chinchwad Station, Pune- 411019.

Certificate

Proudly Presented to

Ms. Bhagyashri J. Warude

For his / her precious presence as **Delegate** at Two days state level seminar on

"Implementation of National Education Policy - 2020"

Multidisciplinary Education : Application of CADD in Teaching and Research

sponsored by Savitribai Phule Pune University.

10th & 11th February 2023


Mrs. Harshada H. Puranik
Co-ordinator


Dr. Sanjay G. Walode
Principal, RMDIPER



॥ पढमं नाणं तओ दया ॥

Shri Jain Vidya Prasarak Mandal's



Rasiklal M. Dhariwal

Institute of Pharmaceutical Education & Research

Acharya Anand Rushiji Marg, Telco Road, D-2, 60-61,
Chinchwad Station, Pune- 411019.

Certificate

Proudly Presented to

Dr. Priyanka N. Chhajed

For his / her precious presence as **Delegate** at Two days state level seminar on

"Implementation of National Education Policy - 2020"

Multidisciplinary Education : Application of CADD in Teaching and Research

sponsored by Savitribai Phule Pune University.

10th & 11th February 2023

Harshada H. Puranik
Mrs. Harshada H. Puranik
Co-ordinator

Sanjay G. Walode
Dr. Sanjay G. Walode
Principal, RMDIPER



ESTD : 8/9/1927



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Shri Jain Vidya Prasarak Mandal's



Rasiklal M. Dhariwal

Institute of Pharmaceutical Education & Research

Acharya Anand Rushiji Marg, Telco Road, D-2, 60-61,
Chinchwad Station, Pune- 411019.

Certificate

Proudly Presented to

Dr. Sameer H. Lakade

For his / her precious presence as **Delegate** at Two days state level seminar on

"Implementation of National Education Policy - 2020"

Multidisciplinary Education : Application of CADD in Teaching and Research

sponsored by Savitribai Phule Pune University.

Mrs. Harshada H. Puranik
Co-ordinator

Dr. Sanjay G. Walode
Principal, RMDIPER

10th & 11th February 2023



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Shri Jain Vidya Prasarak Mandal's



Rasiklal M. Dhariwal

Institute of Pharmaceutical Education & Research

Acharya Anand Rushiji Marg, Telco Road, D-2, 60-61,
Chinchwad Station, Pune- 411019.

Certificate

Proudly Presented to

Dr. Aniket A. Garud

For his / her precious presence as **Delegate** at Two days state level seminar on

“Implementation of National Education Policy - 2020”

Multidisciplinary Education : Application of CADD in Teaching and Research

sponsored by Savitribai Phule Pune University.

10th & 11th February 2023


Mrs. Harshada H. Puranik
Co-ordinator


Dr. Sanjay G. Walode
Principal, RMDIPER



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Shri Jain Vidya Prasarak Mandal's



Rasiklal M. Dhariwal

Institute of Pharmaceutical Education & Research

Acharya Anand Rushiji Marg, Telco Road, D-2, 60-61,
Chinchwad Station, Pune- 411019.

Certificate

Proudly Presented to

Mrs. Harshda A. H. Puranik

For his / her precious presence as **Delegate** at Two days state level seminar on

"Implementation of National Education Policy - 2020"

Multidisciplinary Education : Application of CADD in Teaching and Research

sponsored by Savitribai Phule Pune University.

10th & 11th February 2023


Mrs. Harshada H. Puranik
Co-ordinator


Dr. Sanjay G. Walode
Principal, RMDIPER



॥ पढमं नाणं तओ दया ॥
Shri Jain Vidya Prasarak Mandal's



Rasiklal M. Dhariwal Institute of Pharmaceutical Education & Research

Acharya Anand Rushiji Marg, Telco Road, D-2, 60-61,
Chinchwad Station, Pune- 411019.

Certificate

Proudly Presented to

Mr. Dheeraj V. Panke

For his / her precious presence as **Delegate** at Two days state level seminar on

“Implementation of National Education Policy - 2020”

Multidisciplinary Education : Application of CADD in Teaching and Research

sponsored by Savitribai Phule Pune University.

10th & 11th February 2023


Mrs. Harshada H. Puranik
Co-ordinator


Dr. Sanjay G. Walode
Principal, RMDIPER



ESTD : 8/9/1927



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Rasiklal M. Dhariwal

Institute of Pharmaceutical Education & Research

Acharya Anand Rushiji Marg, Telco Road, D-2, 60-61,
Chinchwad Station, Pune- 411019.

Certificate

Proudly Presented to

Mr. Raghunath P. Raut

For his / her precious presence as **Delegate** at Two days state level seminar on

"Implementation of National Education Policy - 2020"

Multidisciplinary Education : Application of CADD in Teaching and Research

sponsored by Savitribai Phule Pune University.

10th & 11th February 2023


Mrs. Harshada H. Puranik
Co-ordinator


Dr. Sanjay G. Walode
Principal, RMDIPER



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Rasiklal M. Dhariwal

Institute of Pharmaceutical Education & Research

Acharya Anand Rushiji Marg, Telco Road, D-2, 60-61,
Chinchwad Station, Pune- 411019.

Certificate

Proudly Presented to

Mr. Sachin D. Rede

For his / her precious presence as **Delegate** at Two days state level seminar on

"Implementation of National Education Policy - 2020"

Multidisciplinary Education : Application of CADD in Teaching and Research

sponsored by Savitribai Phule Pune University.

Mrs. Harshada H. Puranik
Co-ordinator

Dr. Sanjay G. Walode
Principal, RMDIPER

10th & 11th February 2023



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Rasiklal M. Dhariwal

Institute of Pharmaceutical Education & Research

Acharya Anand Rushiji Marg, Telco Road, D-2, 60-61,
Chinchwad Station, Pune- 411019.

Certificate

Proudly Presented to

Ms. Tejashri A. Sande

For his / her precious presence as **Delegate** at Two days state level seminar on

"Implementation of National Education Policy - 2020"

Multidisciplinary Education : Application of CADD in Teaching and Research

sponsored by Savitribai Phule Pune University.

10th & 11th February 2023


Mrs. Harshada H. Puranik
Co-ordinator


Dr. Sanjay G. Walode
Principal, RMDIPER



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Rasiklal M. Dhariwal Institute of Pharmaceutical Education & Research

Acharya Anand Rushiji Marg, Telco Road, D-2, 60-61,
Chinchwad Station, Pune- 411019.

Certificate

Proudly Presented to

Dr. Vishnu S. Nehrkar

For his / her precious presence as **Delegate** at Two days state level seminar on

“Implementation of National Education Policy - 2020”

Multidisciplinary Education : Application of CADD in Teaching and Research

sponsored by Savitribai Phule Pune University.

10th & 11th February 2023


Mrs. Harshada H. Puranik
Co-ordinator


Dr. Sanjay G. Walode
Principal, RMDIPER



Sri Bhagawan Mahaveer Jain First Grade College

Geetha Road, Robertsonpet, K.G.F

Accredited by NAAC with B+ Grade

Department of Computer Science



Certificate No.: MN3EJQ-CE000288



Certificate of Participation



This is to certify that

Mrs.Manisha Pradeep Khaire

SJVPM's Rasiklal M.Dhariwal Institute of Pharmaceutics education
and research, Chinchwad,Pune-411019

Has Successfully participated in National Webinar on "Intellectual Property on
Artificial Intelligence and Machine Learning" conducted by Department of Computer Science,
SBMJFGC, KGF on 26/05/2023



Mr. Siddaram S
HOD, Dept. of Comp. Sci



Dr. Rekha Sethi
Principal



International Conference

ON
'EMERGING TRENDS IN
PHARMACEUTICAL-CARE IN DIGITAL ERA'

Organized By
MODERN COLLEGE OF PHARMACY, NIGDI, Pune
In Collaboration with
OPERANT PHARMACY FEDERATION



CERTIFICATE

This is to certify that Prof. / Dr. / Mr. / Ms. / Mphs. **HARSHADA HERAMB PURANIK** has Presented his/her e-poster Titled *Emergence of advanced medication services : digital therapeutics and telemedicine* in the International Conference on 'EMERGING TRENDS IN PHARMACEUTICAL-CARE IN DIGITAL ERA' held at Progressive Education Society's, Modern College of Pharmacy, Nigdi, Pune in Collaboration with Operant Pharmacy Federation 27th February 2023. His / Her participation is Greatly Appreciated.

Dr. Sunita Pawar
COORDINATOR
HOD -PharmD, MCOP

Dr. Vikram Choudhary
FOUNDER & DIRECTOR
Operant Pharmacy Federation

Dr. Pravin D. Chaudhari
CONVENER & PRINCIPAL
Modern College of Pharmacy, Nigdi

Dr. Gajanan R. Ekbote
PATRON
Chairman, Progressive Education Society



Dr. D. Y. Patil Pratishthan's

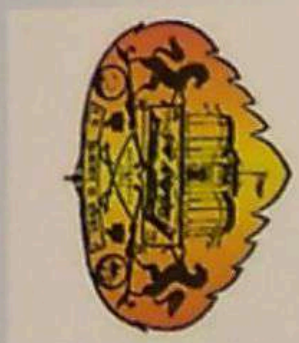
Dr. D. Y. Patil College of Pharmacy, Akurdi, Pune

Organised

SAVITRIBAI PHULE PUNE UNIVERSITY

Sponsored Two Days National Level Workshop on

**“IMPLEMENTATION OF NATIONAL
EDUCATIONAL POLICY 2020”**



CERTIFICATE

This is to certify that Dr./Mr./Mrs./Ms. Harshada Heramb Paranjik has participated as Resource person/ Delegate/ Volunteer/ Member organizing committee in Savitribai Phule Pune University sponsored Two Days National level workshop on “Adoption of guidelines on NHEQF and curriculum framework and credit system for four-year undergraduate programme” under IQAC CELL of Dr. D. Y. Patil College of Pharmacy, Akurdi, Pune conducted on 13th and 14th February 2023. His/Her active participation is deeply appreciated.

DR. D. S. SHIRODE

CONVENER

DR. N. S. VYAWAHARE

CHIEF CONVENER



NeW IPR-2022

One Week National e-Workshop on Innovation & Intellectual Property Rights

Innovative Technology Enabling Centre (InTEC)
CSIR-Institute of Minerals and Materials Technology, Bhubaneswar-751013

CERTIFICATE OF PARTICIPATION

This is to certify that Mrs. Harshada Heramb Puranik of Rasiklal M Dhariwal Institute of Pharmaceutical Education and Research Chinchwad Pune has participated in the NeW IPR 2022 e-Workshop organized by Innovative Technology Enabling Centre (InTEC), CSIR-IMMT, Bhubaneswar during June 13-18, 2022

Dr. T. Pavan Kumar, Convener
NeW IPR 2022 e-Workshop

Dr. A.K. Sahu, CEO-InTEC
CSIR-IMMT, Bhubaneswar

Prof. S. Basu, Director
CSIR-IMMT, Bhubaneswar



AISSMS

COLLEGE OF PHARMACY

IMPARTING EXCELLENCE IN EDUCATION & RESEARCH

Approved by AICTE & PCI New Delhi, Recognized by the Government of Maharashtra,
2f, 12B recognition by UGC, Affiliated to Savitribai Phule Pune University
College ID No. PU / PN / Pharm / 117 / (1996)

Accredited by NAAC with 'A' Grade



Certificate

This is to certify that **Mrs.Harshada Heramb Puranik** has attended International FDP organised by, AISSMS College of Pharmacy,Pune on“**OPPORTUNITIES IN PHARMACY AND RESEARCH**” on 28th December 2022.

Dr.T.S.Chitre **Mrs.M.S.Shah**
Webinar Coordinator

Dr. M.C. Damle
IQAC Coordinator

Dr. Ashwini R. Madgulkar
Principal

SANTHIRAM COLLEGE OF PHARMACY

Approved by AICTE & PCI, New Delhi and Affiliated to JNTUA Anantapur, ISO 9001: 2015 Certified Institute,
Nandyal – 518501, Andhra Pradesh, India



AICTE SPONSORED IIC - IMPACT LECTURE SERIES 2022-23

CERTIFICATE

*This is to certify that **Mrs. Harshada Heramb Puranik** of **Rasiklal M Dhariwal Institute of Pharmaceutical Education and Research Chinchwad Pune** participated in Online Impact Lecture Series Session - I on **"INNOVATION AND IPR"** Organized by IIC, Santhiram College of Pharmacy, Nandyal in association with AICTE and MHRD, MOE's innovation cell (MIC), Govt. of India on 18th June 2022.*

Dr. Y. DASTAGIRI REDDY
CO-ORDINATOR IIC

Dr. L. SIVA SANKER REDDY
PRESIDENT, IIC

Dr. C. MADHUSUDHANA CHETTY
PRINCIPAL

CHEVALIER T. THOMAS ELIZABETH COLLEGE FOR WOMEN



No.16, St. Mary's Road, Maryland, Sembium, Perambur, Chennai-11
Affiliated to the University of Madras & Re-Accredited by NAAC with Grade 'A'



Internal Quality Assurance Cell (IQAC)

in association with

CSIR – Institute of Minerals and Materials Technology

Bhubaneswar, Odisha, India

Innovative Technology Enabling Center -InTEC

CERTIFICATE OF PARTICIPATION

Mrs. Harshada Heramb Puranik

Assistant Professor,

R. M. Dhariwal Inst. of Pharmaceutical Education and Research Chinchwad, Pune

has participated in the **National Level Expert Talk Series** on
Health and Society - Classical and Contemporary Approaches
held from **December 15, 2022 to December 21, 2022.**

Dr. T. Pavan Kumar
Senior Scientist and Manager
InTEC, CSIR-IMMT

Dr. S. Sridevi
Principal
CTTE College for Women



CERTIFICATE

— OF PARTICIPATION —

Harshada Heramb Puranik

has participated in the 03rd International Faculty Development Program “**Emerging Trends in Phyto-Pharmaceutical Research**” organized by Dr. D. Y. Patil Institute of Pharmaceutical Sciences and Research, Pimpri, Pune - 411 018 (MH) INDIA from 11 March to 28 May 2023. His / Her participation in this programme is highly appreciated.

Dr. Asha Thomas
Chief Coordinator

Dr. Sohan Chitlange
Principal



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COLLEGE OF PHARMACY

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



Certificate of attendance

This is to certify that **Mrs.Harshada Heramb Puranik** has attended National FDP organised by IQAC, AISSMS College of Pharmacy in Academic Collaboration with APTI on “**ASSESSMENT STRATEGY FOR OBE: MAPPING AND ATTAINMENT**” on 12th September 2022.

Dr.T.S.Chitre Mrs.M.S.Shah
Webinar Coordinator

Dr. M.C. Damle
IQAC Coordinator

Dr. Ashwini R. Madgulkar
Principal



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IMPARTING EXCELLENCE IN EDUCATION & RESEARCH



Approved by AICTE & PCI New Delhi, Recognized by the Government of Maharashtra,
2F,12B recognition by UGC, Affiliated to Savitribai Phule Pune University
Accredited by NAAC with A Grade

Certificate of Attendance

This is to certify that Mrs. Harshada Heramb Puranik has attended National Seminar on “Quality Sustenance and Quality Improvement: Issues and Challenges” organized by IQAC, AISSMS College of Pharmacy, Pune in Collaboration with NAAC, Bengaluru on 20th September 2022.

Dr. S. V. Gandhi
Webinar Coordinator

Mrs. A. N. Avalaskar

Dr. M.C. Damle
IQAC Coordinator

Dr. Ashwini R. Madgulkar
Principal

VIVEKANAND EDUCATION SOCIETY'S COLLEGE OF PHARMACY, MUMBAI
AND
KONKAN GYANPEETH RAHUL DHARKAR COLLEGE OF PHARMACY AND
RESEARCH INSTITUTE, KARJAT



CERTIFICATE

OF PARTICIPATION

THIS IS TO CERTIFY THAT

Mrs. Harshada Heramb Puranik



has participated in one day seminar on " **Interdisciplinary Research in Pharmacy: National Education Policy 2020 perspective**" organized by **Vivekanand Education Society's College of Pharmacy, Chembur, Mumbai and Konkan Gyanpeeth Rahul Dharkar College of Pharmacy & Research Institute, Karjat** on 14th January, 2023

DR. SUPRIYA SHIDHAYE

Principal, VESCOP, Chembur, Mumbai



DR. MOHAN KALE

Principal, KGRDCP & RI Karjat, Raigad



Gokhale Education Society's

**Sir Dr. M. S. Gosavi College of Pharmaceutical Education and Research,
Prin. T. A. Kulkarni Vidyanagar, College Road, Nashik-422005**

CERTIFICATE OF APPRECIATION

This certificate is presented to

Dr./Prof./Mr./Ms./Mrs. Puranik Harshada Heramb (R. No. 568)

Of Rasiklal M Dhariwal Institute of Pharmaceutical Education and Research Chinchwad Pune

for participation in **Three Days National Level**

e-Faculty Development Program / e-Student Training Program On

“EFFECTIVE RESEARCH PROPOSAL AND MANUSCRIPT WRITING”

Under the aegis of **Internal Quality Assurance Cell (IQAC)@MSGCOPER, Nashik**

during **Thursday, 23rd to Saturday, 25th March 2023.**

Mr. S. S. Boraste
Organizing Secretary

Mr. V. B. Jadhav
Co-ordinator

Dr. P. L. Pingale
IQAC Co-Ordinator
& Co-convenor

Dr. S. V. Amrutkar
Principal &
Convenor





Certificate of Attendance

This is to certify that **Bhagyashri Warude** has attended National Seminar on “**Quality Sustenance and Quality Improvement: Issues and Challenges**” organized by IQAC, AISSMS College of Pharmacy, Pune in Collaboration with NAAC, Bengaluru on 20th September 2022.



Dr. S. V. Gandhi **Mrs. A. N. Avalaskar**
Webinar Coordinator



Dr. M.C. Damle
IQAC Coordinator



Dr. Ashwini R. Madgulkar
Principal



FACULTY AS A RESOURCE PERSON/EVALUATOR

Sr no	Date	Name of faculty	particulars	Topic Delivered	Organized by
1	17/02/2023	Dr. Rohini C. Kolhe	Speaker	Patenting in drug development process	Rasiklal M. Dhariwal College of Pharmacy, Chinchwad, Pune
2	13/12/2022	Ms. Harshada H. Puranik	Speaker	Overview on Stereochemistry	Dr. D. Y. patil College of pharmacy, Akurdi, Pune
3	23/01/2023		Speaker	Enzymes	Indrayani Institute of Pharmacy, Talegaon Dabhade, Maval, Pune
4	17/02/2023		Chief guest & Judge	Oral paper presentation competition	Shankarrao Ursal College of pharmaceutical Sciences & Research Centre, Kharadi, Pune
5	23/03/2023	Dr Shweta P Ghode	Chief guest & Judge	Pharma model making competition	JSPM Rajarshi Shahu College of Pharmacy & research, Tathwade, Pune.



Dr. S. G. Walode
PRINCIPAL

Rasiklal M. Dhariwal Institute of
Pharmaceutical Education & Research
Chinchwad Station, Pune-411019



Rasiklal M. Dhariwal College of Pharmacy

(Approved by AICTE, PCI, DTE Govt. of Maharashtra & Affiliated to MSBTE Mumbai)

MSBTE CODE : 0613, DTE CODE : DPH 6499



Manikchand

ESTD - 88/1827

Acharya Aanand Rushiji Marg, Telco Road, D-2, 60-61, Chinchwad Station, Pune - 411 019.

Ph : 020-27457683 Fax No. 020 - 27354633, Website : www.rmddcop.com, Email : rmdcop613@gmail.com / admin@rmdcop.com

Mr. Fegade S. A.
Principal

Ref. No.: RMDcop/2022-23 / Feb/
3032-A

Date: 16/02/2023

To,

Ms. Kolhe Rohini Chandrakant

Asst. Professor

SJVPM's Rasiklal M. Dhariwal Institute of Pharmaceutical Education and Research.

Chinchwad, Pune.

Subject:- Invitation for conducting **Professional Guidance Lecture**.

Respected Sir,

We are hereby pleased to invite you for **Professional Guidance Lecture** in our college for D. Pharmacy Students on **17th Feb. 2023 Friday at 11.30 am** the lecture will be on topic **"Patenting in drug development process"** This lecture will surely helpful to our students to develop professional approach in themselves.

Please confirm the same.

Thanking You

Suchita

Mrs. Suchita Khot
TPO Incharge, RMDCOP

Yours Faithfully,

(Dr. Fegade S. A.)

PRINCIPAL

**RASIKLAL M. DHARIWAL
COLLEGE OF PHARMACY**

Chinchwad Station, Pune-411 019



Rasiklal M. Dhariwal College of Pharmacy

(Approved by AICTE, PCI, DTE Govt. of Maharashtra & Affiliated to MSBTE Mumbai
MSBTE CODE : 0613, DTE CODE : DPH 6499)



Acharya Aanand Rushiji Marg, Telco Road, D-2, 60-61, Chinchwad Station, Pune - 411 019.
Ph.: 020-27457683 Fax No. 020 - 27354633, Website : www.rmdcop.com, Email : rmdcop613@gmail.com / admin@rmdcop.com

Mr. Fegade S. A.
Principal

Ref. No.: RMDcop/2022-23/ Feb /
5032-B
Date: 17/02/2023

To,

Ms. Kolhe Rohini Chandrakant

Asst. Professor

SJVPM's Rasiklal M. Dhariwal Institute of Pharmaceutical Education and Research.
Chinchwad, Pune.

Sub: Appreciation letter for Professional Guidance Lecture.

Respected Sir,

We have invited you for **Professional Guidance Lecture** in our college D. Pharmacy Students on **17th Feb. 2023 Friday at 11.30 am** the lecture will be on topic "**Patenting in drug development process**" Thank you so much for accepting the invitation. This lecture will surely allow students to develop the skills necessary to succeed in their professional lives.

Thanking You

Suchita

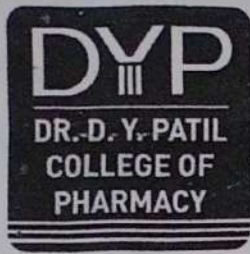
Mrs. Suchita Khot
TPO Incharge, RMDCOP

Yours Faithfully,

(Dr. Fegade S. A.)

PRINCIPAL
RASIKLAL M. DHARIWAL
COLLEGE OF PHARMACY
Chinchwad Station, Pune-411 019

2003



Dr. D. Y. Patil Pratishthan's

Dr. D. Y. PATIL COLLEGE OF PHARMACY

Dr. D. Y. Patil Educational Complex, Sector - 29, Pradhikaran, Akurdi, Pune 411 044.
Tel. : 020-27656141, Tel. Fax : 020-27656141
E-mail : info@dyppharmaakurdi.ac.in Web : www.dyppharmaakurdi.ac.in
Approved by : All India Council for Technical Education, New Delhi
Pharmacy Council of India, New Delhi. Recognized by : Government of Maharashtra
Affiliated to Savitribai Phule Pune University, Pune

Dr. Sanjay D. Patil
President

Padmashree Dr. D. Y. Patil
Founder

Shri. Satej D. Patil
Vce-President & Chairman

Dr. N. S. Vyawahare
Principal

Ref. No. : DYPCOP/357A/2022
Date : 12/12/22

To,
Mrs. Harshada Puranik,
Assistant Professor
Rasiklal M. Dhariwal Institute of
Pharmaceutical Education and Research,
Chinchwad, Pune.

Subject: Invitation to conduct guest session on "Overview on Stereochemistry"

Dear Madam,

With reference to the above mentioned subject, we wish to invite you to conduct guest session on "Overview on Stereochemistry" in our college. We would prefer your session on 13/12/2022, Tuesday, at 11:00 am.

Awaiting for a favorable response from you.

Thanking you.

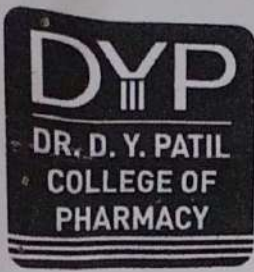


Shauelhari
Dr. N. S. Vyawahare

Principal

Dr. D. Y. Patil College of Pharmacy
Akurdi, Pune - 411 044.





Dr. D. Y. Patil Pratishthan's

Dr. D. Y. PATIL COLLEGE OF PHARMACY

Dr. D. Y. Patil Educational Complex, Sector - 29, Pradhikaran, Akurdi, Pune 411 044.
Tel. : 020-27656141, Tel. Fax : 020-27656141
E-mail : info@dyppharmaakurdi.ac.in Web : www.dyppharmaakurdi.ac.in
Approved by : All India Council for Technical Education, New Delhi
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Dr. Sanjay D. Patil
President

Padmashree Dr. D. Y. Patil
Founder

Shri. Satej D. Patil
Vce-President & Chairman

Dr. N. S. Vyawahare
Principal

Ref. No. : DYPCOP/357B/2022
Date : 13/12/2022

To,
Mrs. Harshada Puranik,
Assistant Professor
Rasiklal M. Dhariwal Institute of
Pharmaceutical Education and Research,
Chinchwad, Pune.

Dear Madam,

On behalf of management, staff and students I take the opportunity to express my sincere thanks and gratitude towards you for sparing your valuable time to conduct guest session on "Overview on Stereochemistry" at our College on 13/12/2022.

It has enlightened all the students.

Looking forward to strengthen our liaison with you.

Thanking You,

Yours Sincerely,



Shauelhari
Dr. N. S. Vyawahare

Principal

Dr. D. Y. Patil College of Pharmacy
Akurdi, Pune - 411 044





Indrayani Vidya Mandir's INDRAYANI INSTITUTE OF PHARMACY

Approved by PCI, New Delhi, Govt. of Maharashtra / DTE Mumbai Affiliated to
Maharashtra State Board of Technical Education, Mumbai
Talegaon Dabhade, Tal. Maval, Dist. Pune - 410 507 Maharashtra, INDIA
Contact No. : 02114-223737

Estd. 1965

E-mail: ivm.iip2017@gmail.com

Website: www.indrayanividyamandir.org

Vice-President: Shri Gorakhanath R. Kalokhe

President: Shri Ramdas M. Kakade

Dr. Deepak V. Shah

Secretary: Shri Chandrakant D. Shete

Treasurer : Shri Shailesh K. Shah

Principal: Prof. Gulab S. Shinde

M. Pharm (Pharmacognosy)

Ref. No: - IVM/IIP/Invess Lecture/2022-23/811

Date: 21/01/2023

DTE Code-6903

MSBTE Code-1822

To,
Mrs. Harshada H. Puranik,
Assistant Prof.,
Rasiklal M. Dhariwal's,
Institute of Pharmaceutical Education and research,
Chinchwad- Pune.

Subject: Invitation as a resource person for Subject Expert Lecture

Respected Madam,

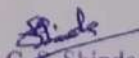
The purpose of writing this letter is to invite you as a Resource person for Subject Expert Lecture on 23 of January 2023. We want to cordially invite you for same. It would be great honor for the institute if you accept the invitation.

Venue-IVM'S Indrayani Institute of Pharmacy, Talegaon Dabhade.

Time-10.30 a.m. to 12.30 p.m.

Thanks and regard




Mr. G. S. Shinde
Principal

IVM's Indrayani Institute of Pharmacy
Talegaon Dabhade, Tal. Maval, Dist. Pune-410507





ज्ञानदेवे रक्षिता पाषा

Estd. 1965

Vice- President: Shri Gorakhanath R. Kalokhe

Dr. Deepak V. Shah

Treasurer : Shri Shailesh K. Shah

Indrayani Vidya Mandir's

INDRAYANI INSTITUTE OF PHARMACY

Approved by PCI, New Delhi, Govt. of Maharashtra / DTE Mumbai Affiliated to
Maharashtra State Board of Technical Education, Mumbai

Talegaon Dabhade, Tal. Maval, Dist. Pune - 410 507 Maharashtra, INDIA

Contact No. : 02114-223737

E-mail: ivm.iip2017@gmail.com | Website : www.indrayanividyamandir.org

President: Shri Ramdas M. Kakade

Secretary: Shri Chandrakant D. Shete

Principal: Prof. Gulab S. Shinde

M. Pharm (Pharmacognosy)

Ref. No: -IVM/IIP/GuestLecture/2022-23/814

Date: 23/01/2023

DTE Code-6903

MSBTE Code-1822

To,
Mrs. Harshada H. Puranik,
Assistant Prof,
Rasiklal M.Dhariwal's,
Institute of Pharmaceutical Education and research,
Chinchwad- Pune.

Subject: **Thanks giving letter**


Respected Madam,

In the context of above mentioned subject, I express my thanks for giving lecture on Enzymes topic which is useful to our students to get knowledge.

I really appreciate your endeavor and hope that this sound bond will become stronger in future. I once again thank you for this lecture which is delivered on 23/01/2023 at 10.30 am and expecting the same cooperation in future.

Thank and regards,




Mr. G. S. Shinde
Principal

IVM's Indrayani Institute of Pharmacy
Talegaon Dabhade, Tal. Maval, Dist. Pune-410507





Pune District Education Association's
**SHANKARRAO URSAL COLLEGE OF PHARMACEUTICAL
SCIENCES AND RESEARCH CENTRE**

Kharadi, Tal. Haveli, Dist. Pune - 411014



Approved by : All India Council for Technical Education,
Pharmacy Council of India, New Delhi.

Affiliated to : Savitribai Phule Pune University (PU/PN/Pharm/384/2009), Code 1235

Recognised by : Government of Maharashtra

D.T.E. Institute Code : PH 6385 • Website : www.pdea-sucopsrc.org • E-mail : sucopsrc_2009@yahoo.co.in

Phone : 020-27011106

Fax : 020-27013835

Date : 16/02/2023

Ref. No.: SUCOPSRC/ 1015/2022-2023

President
Ajit Pawar



Vice President
Rajendra Ghadge

Hon. Secretary
Adv. Sandeep Kadam
Senate Member, SPPU, Pune

Treasurer
Adv. Mohanrao Deshmukh

Dy. Secretary
L. M. Pawar

Principal
Dr. Ashok Bhosale

To,

Prof. Harshada P. uranik,

Shri. Jain Vidya Prasarak Mandal's

Rasiklal M. Dhariwal Institute of Pharmaceutical Education & Research,
Chinchwad, Pune – 411019

**Subject: Invitation as Chief guest and Judge for Oral Paper Presentation
competition on 17th Feb. 2023**

Respected Madam,

Our college was established in 2009 with the prime aim of providing quality education in the Pharmaceutical Sciences. The college is conducting B. Pharm. course, M. Pharm. course with specializations in Pharmaceutics and Quality Assurance Techniques. The college has recognized as research center for Ph.D. in Pharmacy under the faculty of Science and Technology, Savitribai Phule Pune University, Pune.

Madam, here we are organizing **Oral Paper Presentation competition** on the occasion of **61st National Pharmacy Week 2022-23**. Since you are an eminent expert in our pharma field, we take this opportunity to invite you as a **Chief Guest** for the Inaugural Function of this **Oral Paper Presentation competition on 17th Feb. 2023. at 10.00 am.** and we are also inviting you as judge for an Oral Paper Presentation competition.

We look forward to your presence and guidance. (For any query please contact to coordinator Vipul Dhasade-9970526436, email id: vipuldhasade2009@gmail.com)

Thanking You,

Yours Faithfully,

Dr. Ashok Bhosale

PRINCIPAL
P. D. E. A's
Shankarrao Ursal College of
Pharmaceutical Sciences & Research Centre
Kharadi, Pune-411014





Pune District Education Association's
**SHANKARRAO URSAI COLLEGE OF PHARMACEUTICAL
SCIENCES AND RESEARCH CENTRE**

Kharadi, Tal. Haveli, Dist. Pune - 411014

Approved by : All India Council for Technical Education,
Pharmacy Council of India, New Delhi.

Affiliated to : Savitribai Phule Pune University (PU/PN/Pharm/384/2009), Code 1235

Recognised by : Government of Maharashtra

D.T.E.Institute Code : PH 6385 Website : www.pdeasubpharm.edu.in E-mail : sucopsrc_2009@yahoo.co.in

Phone : 020 - 27013835

Date : 17/02/2023

Ref. No.: SUCOPSRC / 1017 / 2022-2023

President
Ajit Pawar



Vice President
Rajendra Ghadge

Hon. Secretary
Adv. Sandeep Kadam
Senate Member, SPPU, Pune

Treasurer
Adv. Mohanrao Deshmukh

Dy. Secretary
L. M. Pawar

Principal
Dr. Ashok Bhosale

To,
Prof. Harshada P. uranik,


Shri. Jain Vidya Prasarak Mandal's
Rasiklal M. Dhariwal Institute of Pharmaceutical Education & Research,
Chinchwad, Pune – 411019

Respected Madam,

At the outset, we wish to convey our sincere gratitude towards you for addressing as a chief guest and judge for Oral Paper Presentation competition on 17th Feb. 2023. Your valuable guidance to all students has rightly helped to update their knowledge.

We are looking forward to have such more interaction with you in the future.
Thanking you with regards.

Yours Sincerely,


Dr. Ashok Bhosale

PRINCIPAL
P. D. E. A's
Shankarrao Ursal College of
Pharmaceutical Sciences & Research Centre
Kharadi, Pune-411014





॥ उत्तम भेषज निर्माणार्थं कटिबद्धम् ॥

JAYWANT SHIKSHAN PRASARAK MANDAL'S

RAJARSHI SHAHU COLLEGE OF PHARMACY & RESEARCH

(Approved by AICTE & PCI, Affiliated to SPPU &
Accredited by NAAC With 'A' Grade)



Prof. Dr. T. J. Sawant
B.E. (Elec.), PGDM, Ph.D.
FOUNDER SECRETARY

S. No. 82/2, Pune - Mumbai By Pass Highway, Tathawade, Pune 411 033.

E-mail : krkhandelwal@gmail.com Website : www.jspmrscopr.edu.in

Ph : 8237076935/8237076936 Mob : 9822037623

DTE CODE :- PH6367

Dr. K. R. Khandelwal
M. Pharm, Ph. D.
PRINCIPAL

Ref. No - RSCOPRR / 2370 / Thanking lett / 22-23

Dt - 23/3/23

To,

Dr. Shweta Prashant Ghode

Rasiklal M. Dharwal College of Pharmacy,

Pune.

Dear Madam,

On behalf of Jayawant Shikshan Prasarak Mandal's Rajarshi Shahu College of Pharmacy & Research, Tathawade, Pune-33. I am thankful for giving us an opportunity to serve you as a judge for Innovision 2023 "REPLICA" Pharma model competition at our institute on Thursday, 23/03/2023.

Thank you again for your valuable time & cooperation during the event.

Thanking you looking forward to further professional association in future.



K. R. Khandelwal

(Dr. K. R. Khandelwal)
PRINCIPAL

Rajarshi Shahu College of Pharmacy & Research
Tathawade, Pune - 411 033.



॥ परमं ज्ञानं ततो दया ॥



Shri Jain Vidya Prasarak Mandal's

**Rasiklal M. Dhariwal Institute of
Pharmaceutical Education & Research**



[Formerly Shri Fattechand Jain College of Pharmacy (B.Pharm.)]

Approved by PCI, AICTE, New Delhi, DTE Code : PH-6823 & Affiliated to Savitribai Phule Pune University (PU/PN/Pharm/448/2014)

NAAC Accredited with A+ (CGPA - 3.46)

**Number of Collaborative Activities
(Field Visit)
(2022-23)**





DETAILS OF FIELD VISIT

Sr no	Date	Institute visit	No of students participated
1	13/03/2023	PDEA's college of Ayurved and research centre, Pradhikaran, Nigdi, Pune	58
2	28/02/2023	National AIDS Research Institute, Bhosari, Pune	59



Dr. S. G. Walode
PRINCIPAL

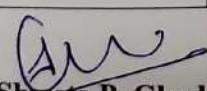
Rasiklal M. Dhariwal Institute of
Pharmaceutical Education & Research
Chinchwad Station, Pune-411019

॥ विद्ययाऽमृतमश्नुते ॥



HERBAL GARDEN VISIT REPORT

Activity (Field Visit)	Report on Herbal Garden Visit for B. pharm Second Year students
Day & Date	Monday 13/03/2023
Time	10.00AM-1.00PM
Venue	"PDEA's College of Ayurved and Research center Pradhikaran, Nigdi, Pune
Description	<p>A Herbal garden visit was organized to "PDEA's College of Ayurved and Research center Pradhikaran, Nigdi, Pune on 13th March 2023 for second year B. Pharm students.</p> <p>58 (Fifty eight) students and two teachers visited the site. The aim was to show the students to acquire the knowledge of traditional systems of medicine and provide valuable opportunity to expand their knowledge in the field of holistic healing. Dr. Yogini Kulkarni, Dr. Ila Bhore, Dr. Lad Madam, Dr. Jitendra Tapaswi showed various medicinal plants maintained in the herbal plant section of the site and highlighted their importance, usefulness, and significance to the students and teachers. They also encouraged students to disseminate medicinal plant-related information to other students of the college. The students and the teachers all enjoyed the visit and found it informative and useful.</p> <p>Importance of some herbs with their medicinal values</p> <ul style="list-style-type: none"> • Herbs such as black pepper, cinnamon, myrrh, aloe, sandalwood, ginseng, red clove, burdock, bayberry, and safflower are used to heal wounds, sores and boils. • Some herbs are also having antibiotic properties. Turmeric is useful in inhibiting the growth of germs, harmful microbes and bacteria. Turmeric is widely used as a home remedy to heal cut and wounds. • Ginger and cloves are used in certain cough syrups. They are known for their expectorant property, which promotes the thinning and ejection of mucus from the lungs, trachea and bronchi. Eucalyptus, Cardamom, Wild cherry and cloves are also expectorants.
Participation	58 students (B. pharm S.Y.) 02 staff members (Dr. Shweta P. Ghode and Mrs. Harshada H. Puranik)
Outcome	These herbal products are today being the symbol of safety in contrast to the synthetic drugs, that are regarded as unsafe to human being and environment. Although herbs had been priced for their medicinal, flavouring and aromatic qualities for centuries, the synthetic products of the modern age surpassed their importance, for a while. However, the blind dependence on synthetics is over and people are returning to the naturals with hope of safety and security. It's time to promote students globally.


Dr. Shweta P. Ghode & Ms. Rohini Kolhe
Program Co-ordinator


Dr. Sanjay G. Walode
PRINCIPAL

Rasiklal M. Dhariwal Institute of
Pharmaceutical Education & Research
Chinchwad Station, Pune-411019



B. Pharm S.Y. students visited at College of Ayurved and Research center Pradhikaran, Nigdi, Pune for Herbal garden Visit





Dr. Jitendra Tapaswi guiding the students about Plants



Dr. Yogini Kulkarni and Dr. Ila Bhore showing the different varieties of plants with their Ayurvedic names and medicinal uses

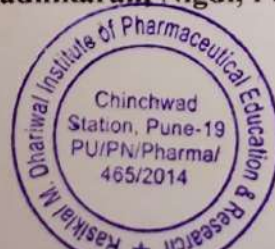




Dr. Lad madam, HOD, giving information about traditional medicinal plants



Felicitation of Dr. Rajkumar Bobade, Vice-Principal, College of Ayurved and Research Center Pradhikaran, Nigdi, Pune





HERBAL GARDEN VISIT

@

**COLLEGE OF AYURVEDA AND RESEARCH CENTER, PRADHIKARAN,
 NIGDI, PUNE-44**

DATE: 13TH MARCH 2023

TIME: 9.45AM

ATTENDANCE
SY.B.PHARM (2022-23)

Roll No	Student Name	Signature	Roll No	Student Name	Signature
1.	Abbad Yash Rajkumar		21	Dewasi Kailash Vanaram	
2.	Aditya Nagesh Kumbre		22	Dhilod Shantanu Sanjay	
3.	Aher Shrutika Rajesh		23	Diya Shah	
4.	Ambarkar Tejas Harivijay		24	Doke Ajit Prafulla	
5.	Ansari Ikram Minhaj		25	Dolaskar Avantika Manoj	
6.	Arti Sunil Thube		26	Doshi Akash Santosh	
7.	Bansode Shreya Prashant		27	Doshi Ketki Ashish	
8.	Bele Shreya Annasaheb		28	Falguni Sharad Petare	
9.	Bende Rasika Sunil		29	Fayyaj Jalal Shaikh	
10.	Bhokare Sanchit		30	Gadiya Siddhesh Dilip	
11.	Bobde Aadish Sarang		31	Gandhi Vaishnavi	
12.	Bora Dipak Vilas		32	Hipparkar Sneha Damodar	
13.	Borkar Sharvari Kumar		33	Jadhav Dipali Sadashiv	
14.	Chauhan Bipin		34	Jangale Dhanashri Sharad	
15.	Chordiya Shruti Sunil		35	Jangid Prakash Devilal	
16.	Choudhary Bhavesh Harish		36	Kadam Sayli Gurudas	
17.	Choudhary Kashish Dilip		37	Katariya Pranjal Manoj	
18.	Chougule Pranjali Prakash		38	Kinikar Aniket Sanjay	
19.	Chougule Priyadarshani		39	Kusekar Janhavi	
20.	Chuttar Nikhil Rahul		40	Lunawat Ronak Rajendra	



Rasiklal M. Dhariwal Institute of Pharmaceutical Education & Research

[Formerly Shri Fattedchand Jain College of Pharmacy (B.Pharm.)]

Manikcha



Approved By PCI, AICTE New Delhi, DTE (PH-6823) & Affiliated to Savitribai Phule Pune University (PU/PN/Pharm/465/2014)

41	Madake Shivani Balasaheb	<i>Shivani</i>	55	Shaha Sakshi Aniket	<i>Shaha</i>
42	Madkar Pratik Suresh	<i>Pratik</i>	56	Shriyash Haridas More	
43	Majage Sudarshan	<i>Sudarshan</i>	57	Soni Srushti Jitendra	<i>Soni</i>
44	Munot Gautam Navneet		58	Surana Shruti Sudeshkumar	<i>Shruti</i>
45	Nupur Nitin Barbare	<i>NB</i>	59	Suryavanshi Vaishnavi	<i>Vaishnavi</i>
46.	Oswal Prayash Pravin	<i>Prayash</i>	60	Tanvi Vaibhav Redij	<i>Tanvi</i>
47.	Patil Kiran Arun	<i>Kiran</i>	61	Tate Manasi Keshav	<i>Manasi</i>
48.	Patil Sakshi Balasaheb	<i>Sakshi</i>	62	Thole Sanyam Vardhaman	
49.	Prajakta Paraskumar Parakh	<i>P. Parakh</i>	63	Undare Gauri Abasaheb	<i>Gauri</i>
50.	Pratiksha Nitin Yewale	<i>Pratiksha</i>	64	Upadhye Ayush Shrenik	<i>Ayush</i>
51.	Sankpal Prajakta Vikas	<i>Sankpal</i>	65	Upadhye Sujeet Sharad	<i>Sujeet</i>
52.	Shah Mokshit Manojkumar	<i>Mokshit</i>	66	Wanare Sanket Sanjay	<i>Sanket</i>
53.	Shah Prathamesh Bahubali	<i>Prathamesh</i>	67	Yadav Pooja Shivkumar	<i>Pooja</i>
54.	Shah Riya Rahul	<i>Riya</i>	68	Yadav Sakshi Santosh	<i>Sakshi</i>

Shweta P. Ghode
Dr. Shweta P. Ghode



Sanjay G. Walode
Dr. Sanjay G. Walode
PRINCIPAL

Rasiklal M. Dhariwal Institute of
Pharmaceutical Education & Research
Chinchwad Station, Pune-411019

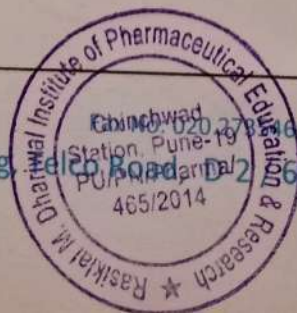
A INDUSTRIAL VISIT TO NATIONAL AIDS RESEARCH INSTITUTE, PUNE



In the early nineties it became evident that HIV was spreading widely in the country and the national efforts for its containment required multi-disciplinary research involving virology, immunology, microbiology, clinical research, epidemiology, field based trials and socio behavioral investigations. Knowledge about such deadly disease exclusively to HIV/AIDS research is important to pharmacy students. In view of this on the occasion of science day Rasiklal M. Dhariwal Institute of Pharmaceutical Education and Research, Chinchwad, Pune on Monday February 28/02/2023

Ph. No -020-27459191

Acharya AnandRushiji Marg



Chinchwad Station, Pune-19
PU/PN/Pharm/465/2014
020-27459191/27457683

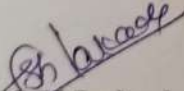
Email: rmdiper@gmail.com

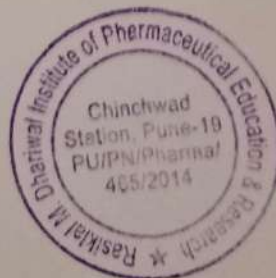
60-61, Chinchwad, Pune-411 019




organized visit to National AIDS Research Institute Bhosari, Pune. This visit was mainly focused to understand the procedures involved how our research in NARI evolved and especially in the areas of surveillance, capacity building, laboratory services and drug resistance studies. Owing to the pandemic all students were excited to know how NARI helped during Covid 19 vaccination development. We reach to our destination at 10.30 am, all were welcome by faculty of NARI. Initially we have been informed and guided about the basic information of institute thereafter students were splits into three groups. Each and every institute's research activities were guided by a Scientific Advisory Committee which includes eminent scientists from varied disciplines of NARI. Technical team explained about the facilities available inside the centre, their methods of operating. Students had chance to see the most expensive instruments available with the institute and learning experience about the maintenance of equipment and ethics considered during actual practice. Overall visit helped us in understanding the actual practical aspects of virology and immunology.

This Industrial visit will helpful in our students future practical Life & bring a positive change in their thinking & practical behaviour regarding Education & specializing technical skills. The visit ended by expressing our sincere gratitude to all scientist of NARI for making this visit remarkable. The total 59 students from third year B-Pharm of SJVPM's Rasiklal M. Dhariwal Institute of Pharmaceutical Education and Research, Chinchwad, Pune with three teaching faculty members were visited to National AIDS Research Institute. Dr. Sameer H. Lakade coordinated the event along with teaching faculty Mr. Raghunath. P Raut and Mr. Dhiraj Pankhe.


Dr. S.H. Lakade
T & P incharge

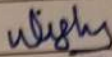


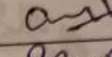
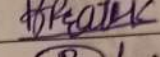
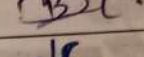



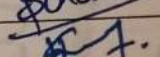
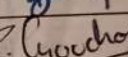
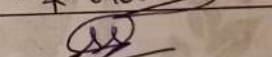

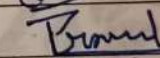
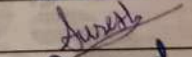
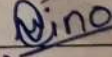
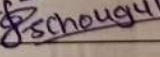
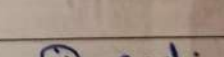
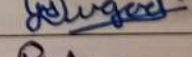

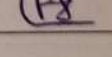



Dr. S.G. Walode
PRINCIPAL

Rasiklal M. Dhariwal Institute of
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Chinchwad Station, Pune-411019



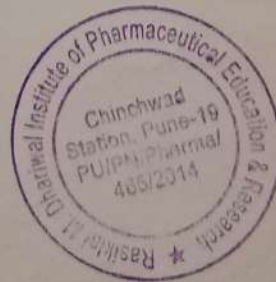
T.Y.B.PHARM (2022-23)
Attendance of Industrial Visit (NARI)

Roll No.	Name of Student (Batch A)	Sign
1.	Agarwal Disha Sanjay	
2.	Annadate Ajay Mahavir	
3.	Bakliwal Chetan Mahavir	
4.	Bhajankar Leena Chandrashekhar	
5.	Bhor Pratik Sandeep	
6.	Bhujbal Durgesh Dattatraya	
7.	Birajdar Vishal Jaihind	
8.	Borna Bhagyashree Nekaram	
9.	Chaudhary Suresh Shesharam	
10.	Chavan Sanika Mohan	
11.	Chobharkar Gajendrakumar Jinendrakumar	
12.	Choudhary Rajesh Ganeshram	
13.	Choudhari Smita Sudesh	
14.	Choudhary Pooja Khetaram	
15.	Choudhary Pramod Durgaram	
16.	Choudhary Suresh Pemaram	
17.	Choudhary Vinod Mohanlal	
18.	Chougule Diya Satish	
19.	Choutmal Jaydeep Ganeshrao	
20.	Dugad Jinesh Yogesh	
21.	Gadiya Krushikesh Santosh	
22.	Gandhi Preet Sameer	
23.	Ghule Abhishek Sanjay	





Roll No.	Name of Student (Batch B)	Sign
1.	Gu/ndesha Lisha Ganesh	
2.	Habale Rohan Santosh	
3.	Jagdale Shruti Vitthal	
4.	Kaldate Kaustubh	
5.	Kalyankar Samruddhi Mahavir	
6.	Kasliwal Sakshi Uday	
7.	Khan Nasimakhatoon Anwarulhaq	
8.	Khivansara Sakshi Rajendra	
9.	Kote Pritam Mahavir	
10.	Landge Sarthak Somnath	
11.	Lokesh Salvi	
12.	Lunkad Sakshi Nilesh	
13.	Mahajan Taral Ratnakar	
14.	Maindarge Shubham Sunil	
15.	Mali Shashank Balaji	
16.	Maliyal Kanishka Narendra	
17.	Mehta Tejas Satyen	
18.	Mokashi Pranav Rohidas	
19.	Mutha Isha Vipul	
20.	Nahar Jay Pravin	
21.	Naram Pratik Sunil	
22.	Pande Samiksha Vijaykumar	
23.	Parihar Shravan Jagdish	



Roll No.	Name of Student (Batch C)	Sign
1.	Pathak Ravirajan Rajeevkumar	Ravi
2.	Pathare Ganesh Suryabhan	Pathare
3.	Patil Harshwardhan Kisan	Patil
4.	Patil Prathamesh Vijay	
5.	Patil Pratiksha Bhimrao	Patil
6.	Pawar Sumedh Laxmikant	Pawar
7.	Pinjarkar Bhushan Atul	Pinjarkar
8.	Rachana Shah	Rachana
9.	Raskar Akshata Ankush	Raskar
10.	Ratadiya Mahima Yogesh	
11.	Sanghvi Jainam Jitendra	
12.	Sawargave Sateweli Sangmeshwar	
13.	Shah Atharva Deepak	Atharva
14.	Shah Dhruv Nilesh	Dhruv
15.	Shinde Vaibhavlaxmi Dnyaneshwar	Shinde
16.	Solanki Harsh Dalpat	Harsh
17.	Soni Neha Santosh	Soni
18.	Surve Sneha Vikas	Sneha
19.	Tambe Samruddhi Jayram	
20.	Tirthe Vaishnavi Govind	Tirthe
21.	Tornekar Shivam Vijaykumar	
22.	Waje Prajyoti Rahul	
23.	Yadav Shivam Vinod	





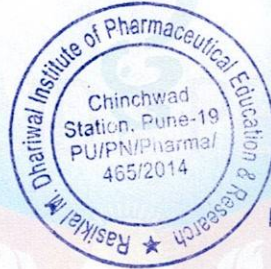
**ANY OTHER QUALITY AUDIT
RECOGNISED BY STATE, NATIONAL
OR INTERNATIONAL AGENCIES**

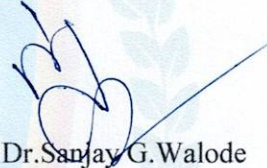




**ANY OTHER QUALITY AUDIT / ACCREDITATION RECOGNIZED BY
THE STATE, NATIONAL OR INTERNATIONAL AGENCIES**

Year of Quality Audit	Name of Quality Audit	
	Energy Audit	Green Audit /Environmental Audit
2022-23	YES	YES




Dr. Sanjay G. Walode

PRINCIPAL

Rasiklal M. Dhariwal Institute of
Pharmaceutical Education & Research
Chinchwad Station, Pune-411019





QUALITY AUDIT DURING ACADEMIC YEAR 2022-23

Energy Audit 2022





Green Audit /Environmental Audit 2022



615 B, Nana Peth, Pune - 411002
+91-9766043482
anand@enertecsolutions.com

CERTIFICATE OF COMPLETION

This is to certify that

Shree Jain Vidya Prasarak Mandal, Rasiklal M. Dhariwal Institute of Pharmaceutical education and research, Chinchwad, Pune has successfully completed Green Audit/Environmental Audit in month of August 2022, the study was conducted by Enertek Solutions India Private Limited. Institution has agreed to implement the measures for green campus.



Thanking You,

Anand Dande (CEA – 29574)
Director
Enertek Solutions India Private Limited
Pune – 411 002

www.enertecsolutions.com Page 1 | 1

॥ पढमं नारुं सओ ददा ॥



Shri Jain Vidya Prasarak Mandal's

**Rasiklal M. Dhariwal Institute of
Pharmaceutical Education & Research**



[Formerly Shri Fattechand Jain College of Pharmacy (B.Pharm.)]

Approved by PCI, AICTE, New Delhi, DTE Code : PH-6823 & Affiliated to Savitribai Phule Pune University (PU/PN/Pharm/448/2014)

NAAC Accredited with A+ (CGPA - 3.46)

**LIST OF ORIENTATION PROGRAMMES
ORGANIZED BY THE INSTITUTION ON
QUALITY ISSUES FOR TEACHER &
STUDENTS**






**LIST OF ORIENTATION PROGRAMMES ORGANIZED BY THE INSTITUTION
ON QUALITY ISSUES FOR TEACHER & STUDENTS.
ACADEMIC YEAR 2022-23**

Sr No.	Name of the Workshop/Seminar/ Webinar/Conference	Date From-To	Number of Participants	
			Faculty	Students
1	Two days state level seminar on Implementation of National Education Policy-2020, Multidisciplinary Education-Application of CADD in teaching and research	10-02-2023 to 11-02-2023	16	54
2	Challenges and opportunities in pharmacy profession	17-01-2023	6	104
3	Certificate program on "Emerging Trend in Intellectual Property Rights"	16-01-23 to 23-01-2023	15	126
4	Molecular Docking	18-11-2022	4	82
5	Current scenario and career opportunity in sterile dosage form	26-11-2022	4	128
6	Emerging Trends in clinical Research and Pharmacovigilance	30-09-2022	5	110
7	Science of Mind	24-09-2022	13	165
8	SUCCESS STORY: System and Funding on an occasion of World Entrepreneur Day under Institution's Innovation Council (IIC)	25-08-2022	10	122




Dr. S. G. Walode

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Ref : RMDIPER/2022-23/ 01


Date : 13/02/2023

Activity Report

Activity (Cultural)	Report on SPPU Sponsored Two Days State Level Seminar on the topic "Implementation of National Education Policy 2020-Multidisciplinary Education: Application of CADD in Teaching and Research"
Day & Date	Friday 10/02/2023 & Saturday 11/02/2023
Time	9.00 a.m.to 5.00 p.m.
Venue	RMDIPER Auditorium
Facebook rogramme:	link https://m.facebook.com/story.php?story_fbid=pfbid0fP2TUajrjJWovez4Ac5yZa1BmVSLFEQSCtjQcALshd789zicDrSeu2PH5KauhE1jI&id=100073113664659&mibexti
Description	<p>SPPU Sponsored Two Days State Level Seminar on the topic "Implementation of National Education Policy 2020-Multidisciplinary Education: Application of CADD in Teaching and Research" was successfully 10th & 11th February 2023, by SJVPM's Rasiklal M. Dhariwal Institute of Pharmaceutical Education and Research, Chinchwad, Pune. The first day i.e. on 10th February 2023 the two days seminar was inaugurated by the hands of dignitaries present for this seminar. Dr. Atmaram Pawar, Principal, Poona College of Pharmacy was the key note speaker for inaugural function. He enlightened the audience with his thoughts on National Educational Policy and how it will work in education system in next coming years. Dr. Gautam Bhong, Principal, Sanghavi Keshari College of Arts & Commerce, Dr. Sanjay Walode Principal RMDIPER, all HOD and delegates i.e. student and faculty members from various pharmacy colleges were present for the session.</p> <p>Various resource person from different field of computer aided drug design guided the audience during these two days. Mr. Somdatta Chaudhari delivered his talk on topic Computer aided drug design: From Academic to Research. He explained academic model developed by him. The second session was by Dr. Vishal Zambre discussed QSAR: A Tool that reveals new bioorganic chemistry insights. The third session for the day one was by Dr. Harun Patel explained scope and research in Fragment based drug discovery.</p>
Participation	30 Teaching and non-teaching faculty members and 180 students
Outcome	Holistic development of students through this activity


Mrs. Harshada H. Puranik
 Cultural Co-ordinator




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 Chinchwad Station, Pune-411019

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Acharya Anand Rushiji Marg, Telco Road, D-2 / 60-61, Chinchwad, Pune-411 019



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Description	<p>The second day was started with some more interesting and interactive sessions in CADD. The session IV was started by the talk of resource person Dr. Prashant Kharkar, on the topic Recent Advances in the computational approaches for molecular design. Session V was enlightened by next resource person Dr. Ravindra Kulkarni, on the CADD assisted design of kinase inhibitors. The last session of the two days state level seminar was conducted by Mr. Sameer Choudhary. He talked on the topic Preventive strategies for management of COVID-19 using natural molecules.</p> <p>Delegates from various pharmacy colleges benefited by this two days state level seminar to understand the concept of National Educational Policy. Institute provide deep gratitude towards Savitribai Phule Pune University and Management of Shri Jain Vidya Prasarak Mandal for encouraging to organize such events. 54 delegates from other institutes, 25 staff members and about 120 students participated in the this event. We are thankful to Hon. Prakashchandji R.Dhariwal, President SJVPM, Hon. Shantilalji R. Lunkad, Chairman SJVPM, Hon Ad. Rajendrakumarji S. Mutha, Hon. Gen. Secretary SJVPM for continuous guidance and support. Programme was co-ordinated by Mrs. Harshada H. Puranik and convener for the seminar was Dr. Sanjay G. Walode, Principal RMDIPER. The programme was successfully conducted by the amalgamation of all teaching, non-teaching staff members and students of the RMDIPER.</p>
Participation	54 delegates from other institutes, 25 staff members and about 120 students participated in the this event
Outcome	Professional development of students, faculty and attendee through this activity

SCHEDULE

<p>Friday, 10th February 2023</p> <p>09.30 am to 10.30 am Registration, Breakfast and Tea</p> <p>10.30 am to 11.30 am Session - I</p> <p>11.30 am to 01.00 pm Lunch Break</p> <p>01.00 pm to 02.30 pm Session - II</p> <p>02.30 pm to 03.45 pm Tea Break</p> <p>03.45 pm to 05.15 pm Session - III</p>	<p>Saturday, 11th February 2023</p> <p>09.30 am to 10.30 am Breakfast and Tea</p> <p>10.30 am to 11.30 am Session - IV</p> <p>11.30 am to 01.00 pm Lunch Break</p> <p>01.00 pm to 02.30 pm Session - V</p> <p>02.30 pm to 04.00 pm Medication Planning</p> <p>04.00 pm to 04.30 pm High Tea</p>
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RESOURCE PERSONS



Dr. S. S. Puranik
Principal
Savitribai Phule Pune University
Pune



Mr. S. V. Choudhari
Head of Institute
Savitribai Phule Pune University
Pune



Dr. V. P. Sankar
Head of Institute
Savitribai Phule Pune University
Pune



Dr. S. G. Walode
Principal
Savitribai Phule Pune University
Pune



Dr. Ravindra Kulkarni
Head of Institute
Savitribai Phule Pune University
Pune



Dr. Prashant Kharkar
Head of Institute
Savitribai Phule Pune University
Pune



Dr. Sameer Choudhary
Head of Institute
Savitribai Phule Pune University
Pune

TWO DAYS STATE LEVEL SEMINAR
ON
**Implementation of National Education Policy 2020
Multidisciplinary Education: Application of
CADD in Teaching and Research**

10th and 11th February 2023
Sponsored by
Savitribai Phule Pune University
Organized By
**Shri Jain Vidya Prasarak Mandal's
Rasiklal M. Dhariwal Institute of Pharmaceutical
Education & Research, Chinchwad, Pune**
(Affiliated to PU/PN/Pharm/465/2014)

CONVENER
Dr. Sanjay G. Walode
Principal

CO-ORDINATOR
Mrs. Harshada H. Puranik
Assistant Professor
Dept. of Pharmaceutical Chemistry

HOW TO REACH

Address: Acharya Anand Rushiji Marg, D-2/60-61, Chinchwad, Pune-411 019
 Tel: 020-27459191, 27457683
 Email: rmdiper@gmail.com

Harshada
Mrs. Harshada H. Puranik
 Cultural Co-ordinator



Sanjay
Dr. Sanjay G. Walode
PRINCIPAL
 Rasiklal M. Dhariwal Institute of
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 Chinchwad Station, Pune-411 019



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1. Inauguration ceremony of Two days state level seminar 2. Keynote address by Dr. Atmaram Pawar Sir
 3. Felicitation of Dr. Atmaram Pawar by Dr. Sanjay Walode, Principal RMDIPER



Expert talk by Resource Person

Mrs. Harshada H. Puranik
 Cultural Co-ordinator

Ph. No -020-27459191



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Acharya Anand Rushiji Marg, Telco Road, T-2 / 60-61, Chinchwad, Pune-411019



Date- 17/01/2023

INDUCTION PROGRAMME REPORT

SJVPM's Rasiklal M Dhariwal Institute of Pharmaceutical Education and Research, Chinchwad was organised "**Induction Programme 2022-23**" for newly admitted students of First year and Direct Diploma Second year students on 17th January 2023 at 10.00 am

Programme was started at 10.15 am with tradition of Navkar Mahamantra chanting and Sarswati Poojan. Mrs. Bhagyashree Warude given introduction of programme and welcome all the guests present on dies.

For this programme, Dr. Mahesh Burande (Hon. Director IPER, Pune) -Chief Guest, Mr. K.B. Khillari (Administrative Officer), Dr Sanjay Walode (Principal of RMDIPER) , Dr Shweta Ghode (HOD- Pharmacognosy Dept), Dr Vishnu Neharakar (HOD-Pharmacology Dept) were present.

Principal Dr Sanjay Walode had given information of about Sanstha and its establishment, Institute and its establishment, various facilities provided by college for overall development of students. He was also mentioned awards got to colleges such as NAAC A + Accreditation, Green Campus Award etc and also talked about future planning for betterment of Institute.

Details of Guest Lecture are as follows:

Speaker: Dr. Mahesh D. Burande (Hon. Director-IPER, Pune)

Topic- Challenges and Opportunities in Pharmacy profession

Dr. Burande guided students about huge contribution of India in World's Pharmacy during Covid-19 pandemic and current situation, current changes in Pharmacy Profession, opportunities after B. Pharmacy, responsibilities of Pharmacist in Social area, need for students to learn new things and finding path for suitable career. He also talked about importance of discipline in study and overall behaviour in student phase.

About 96 students were actively participated in the seminar. Students learned about GMP, career after B.Pharmacy, Drug development process and also role of Pharmacist.

Question answer session was conducted where students interacted actively with guest and cleared their doubts. Principal Dr Sanjay Walode conveyed few words regarding conduction of seminar and shows gratitude on the behalf of Management and RMDIPER College.

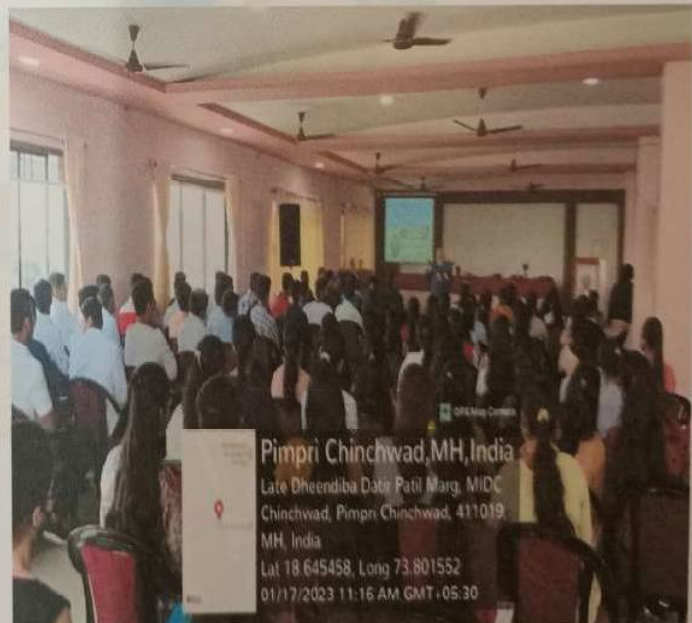
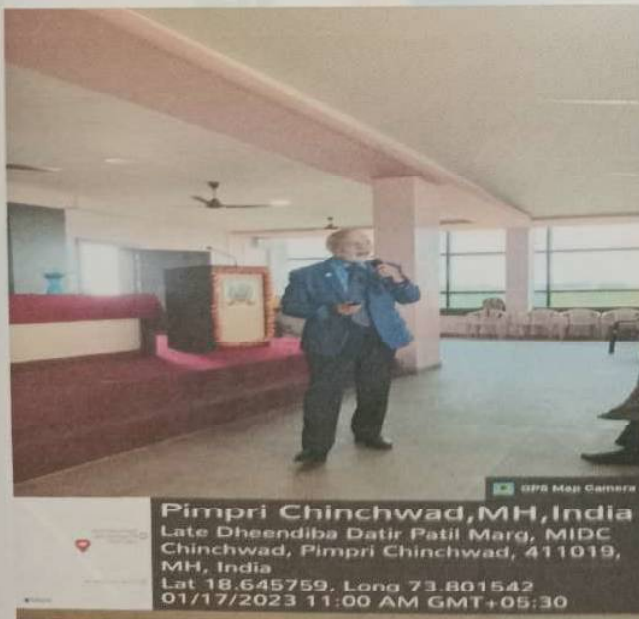


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- Finally, vote of thanks was given by Ms. Tejashree Sande, Coordinator of Induction programme
- For this programme, 104 participants were showed their presence.





Shri Jain VidyaPrasarak Mandal's
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 MIDC Chinchwad, Pimpri Chinchwad,
 411019, MH, India
 Lat 18.646121, Long 73.801848
 01/17/2023 10:42 AM GMT+05:30



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 Telco Road, Chinchwad, Pimpri
 Chinchwad, 411019, MH, India
 Lat 18.642622, Long 73.798324
 01/17/2023 10:35 AM GMT+05:30

Ms. T.A. Sande

Induction Programme Co-ordinator



Dr. S.G. Walode
PRINCIPAL

Rasiklal M. Dhariwal Institute of
 Pharmaceutical Education & Research
 Chinchwad Station, Pune-411019



Shri Jain Vidya Prasarak Mandal's

**Rasiklal M. Dhariwal Institute of
Pharmaceutical Education & Research**

[Formerly Shri Fattchand Jain College of Pharmacy (B.Pharm.)]



Manikchand

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**INDUCTION PROGRAMME FOR FIRST YEAR B. PHARMACY STUDENTS
(ACADEMIC YEAR 2022-23)**

Date: 17th Jan 2023

Attendance of Students

Sr.no	Name of Students	Mobile Number	Sign
1.	Hitesha Puavin Bafna	7058341187	<u>Hafna</u>
2.	Chaitali Ramesh Dahale	7666918793	<u>Dahale</u>
3.	Khushi Abhijit Sarnot	7798209191	<u>Khushi</u>
4.	Priyanka Fulkumar Shaha	7559361108	<u>P.F.shaha</u>
5.	Sanika Rajgonda Patil	8177985108	<u>S.R.Patil</u>
6.	Shrutiraj Rajendra Wani	8087586258	<u>S.R.Wani</u>
7.	Sakshi Santosh Kothekar	7559451851	<u>Sakshi</u>
8.	Ritika Ravindra Sakale	8484886866	<u>RS</u>
9.	saniya husen pinjari	9209004668	<u>S.H.Pinjari</u>
10.	Shravani Umesh Patil	9373639939	<u>Patil</u>
11.	Kanya Santosh Uttkar	9892001542	<u>Uttkar</u>
12.	Sushiti Jaysing Pagade	9699301228	<u>Sushiti</u>
13.	Anushka Satish Pharamkhele	9518983328	<u>Pharamkhele</u>
14.	Anushka Madhindra Sawant	7840999503	<u>Sawant</u>
15.	Samsuddhi Sanjay Mhalaskar	7218009435	<u>Samsu</u>
16.	Abeli Sandip Kasar	8793897004	<u>A.S.Kasar</u>
17.	Chaitanya Dinesh Kunkulo	8446476709	<u>Chait</u>
18.	Sakshi Sunil Patil	8308318975	<u>Patil</u>
19.	Shahik Kashmiria Gulamshahid	9175026687	<u>Shahik</u>
20.	Gayatri Jagannath Zagade	7559263957	<u>Gayatri</u>
21.	USHA CHATARAM CHAUDHARY	7900122734	<u>Usha</u>
22.	Jyoti Ramesh Betale	9689214678	<u>Betale</u>
23.	Ichita Sachin Gandhi	9699006077	<u>Ichita</u>
24.	Akshata Dilip Terdale	9322594219	<u>Akshata</u>
25.	Nikita Babu Khorat	9373451673	<u>Nikita</u>
26.	Samsuddhi Anand Shinde	7499236931	<u>S.A.Shinde</u>
27.	Sailee Anil More	9607244242	<u>Sailee</u>
28.	Rutuja Vishnu Kadam	8766047780	<u>Rutuja</u>
29.	Mrunal Dadarao Dambre	9765480794	<u>Mrunal</u>
30.	Utkarsha Dattatray Harpude	8999316412	<u>Utkarsha</u>
31.	Sanika Shankar Shinde	8668968638	<u>Sanika</u>
32.	Shruti Rohit Phade	8669006959	<u>Shruti</u>

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33.	Rohan Kaswa	9028644306	
34.	Devanshu Nahar	7283809038	
35.	Eshaan Nahar	9822007617	
36.	Ayush Chhallani	9075251104	
37.	Prityash Musute	9359315454	
38.	Vrushabh Ambhore	8693931008	
39.	Ranjit Kute	9356760037	
40.	Aditya Bhandari	8600166019	
41.	Devabdra Guggale	7620297721	
42.	Harsh Bhandari	7058190465	
43.	Raj Suryawanshi	9552381901	
44.	Suyog Kamble	7620998639	
45.	Ramesh Pawar	9021923070	
46.	Kaushal Auri	7058240710	
47.	Pranit Nanavare	95763677385	
48.	Ashutosh Bedkute	7498737645	
49.	Rohan Rajendra Jadhav	7385328495	
50.	Ajinkya Dilip Pexkar	7057584506	
51.	Dinesh choudhary	9322324889	
52.	Anirant pradhane	9325057442	
53.	Harshal Sahish Patil	9561976666	
54.	Varad Vaibhav Kudale	9356840490	
55.	Ritesh Bharat Terdale	7517862108	
56.	Adarsh sanjay khot	9767511890	
57.	Krishna phabhakar Ichiste	9114428197	
58.	Samyak Bhandari	8625921122	
59.	More Prynka Ashok	8329496389	
60.	Riya Ranadive	8669310927	
61.	Mamot Prefik	9699838016	
62.	Shravani vikas kothari	9322900183	
63.	Yuganathra Shantani Ruchabhale	9359331717	
64.	Sameeksha Sachin Pingale	4822689066	
65.	Pousha Solanki	7218422581	
66.	Arya Ashok Bora	7219697284	
67.	Janhvi Vilas Nikam	9322372547	
68.	Karon Gorakh Pagale	8010486953	
69.	Harshal Mahendra Pagariya	9890815200	
70.	Akilesh Anil Patil	8957817262	
71.	Pragati Shankaram Nilcam	9661096659	
72.	Riddhi Manej Batna	9529573106	



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73.	Sanjana Shital Gandhi	7744203585	Sanjana
74.	Purva Rajendra Chankeshwara	9834408788	Purva
75.	Hemangi Mahendra Patil	7875375217	Hemangi
76.	Sakshi Sagar Kashid	8149668292	Sakshi
77.	Pranali Smit Ghadage	8482993503	P.S.G.
78.	Vaibhavi Manojkumar Sutar	9503788846	Vaibhavi
79.	Leena Kishor Kumbhar	8421688090	Leena
80.	Tshika Thapa (100)	9834851351	Tshika
81.	Adarsh Tiwari	8766915458	Adarsh
82.	Om Ravindra Salunke	7350709936	Om
83.	Yashraj Popat Kuge	9011763404	Yashraj
84.	Devansh Sanjay Khanak	8349491659	Dev
85.	Shantanu Laxman Fandel	9307070347	Shantanu
86.	Kaushal Bapu Furank	9763051399	Kaushal
87.	Aryam Varan + Gangawane	8412043632	Aryam
88.	Om Sanjay Borne	7030787981	O.S.Borne
89.	Darshan Vikram Vora	92399449494	Darshan
90.	Vrushabh Tillak Shirdhone	8459800980	V.T.Shirdhone
91.	Ajit Deepak Chende	7709850649	Ajit
92.	Raut Pramod Dattatray	9606002962	Raut
93.	Rohit Ramrao Khandekar	8446184209	Rohit
94.	Swapnil Kanta Balkunde	9922862982	Swapnil
95.	Ashwini Kiran Dabi	9307936506	Ashwini
96.	Solanki Recha Ruparam	9881224392	Recha
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Summary Report of Certificate Program 2022-2023

(16/01/2023-21/01/2023)

Title: “Emerging Trends in Intellectual Property Rights”

Shri Jain Vidya Prasarak Mandal's, Rasiklal M. Dhariwal Institute of Pharmaceutical Education and Research, Chinchwad, Pune, conducted certificate program in association with Elite Institute of Pharma Skills (EIPS), Chinchwad, Pune title on “Emerging Trends in Intellectual Property Rights” during the period 16/01/2023-21/01/2023 (30 Hrs).

Emerging Trends in Intellectual Property Rights is the most beneficial area of research for learning about the Patents, Copy right, Industrial design rights, Trademarks, Plant variety rights, Trade dress, Geographical indications, In some jurisdictions, trade secrets. This valuable program is the most challenging sector for pharmaceutical experts to work today.

Emerging Trends in Intellectual Property Rights has greater growth and career prospects in a variety of fields. This certificate program is a fusion of many different skill sets including patents, copy right, industrial design rights, trademarks, plant variety rights, trade dress, geographical indications, in some jurisdictions, trade secrets and it offers more opportunities. It helps in determining the risk against benefit of pharmaceutical goods ensuring that these products are safe for patients. However, securing a job in this industry can be challenging for a number of reasons, particularly for people who are not medical professionals.

Emerging Trends in Intellectual Property Rights is often regarded as one of the most promising fields of work for graduates with backgrounds in pharmacy. Its primary focus is on Law relating to copyright in India: the Copyright Act, 1957, Copyright infringement, Criteria for patentability of an invention, Law regulating to trademarks in India: the Trademarks Act, 1999, Kinds of products that can come under Industrial design protection etc. Kinds of products that can come under Industrial design protection etc.

Emerging Trends in Intellectual Property Rights refers to the process of Protecting Intellectual Property Rights; Technology has led to increase awareness about the IP.

Some individuals and companies offer only knowledge. Thus, computer consultant, advertising agencies, Internet companies, and software implementers sell only brainpower,



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Domain names and moving images are also being protected; More than fifty percent of U.S. exports now depend on some form of intellectual property protection.

The rapidity with which information can be communicated through the Internet has led to increasing challenges in the field of intellectual property. The most valuable assets a company owns are its Intellectual property assets, Companies must act aggressively to protect these valuable assets from infringement (breaching, violation of law) or misuse by others.

Emerging Trends in Intellectual Property Rights are essential to the efficient operation of the revenue cycle in the healthcare industry, there is little doubt that demand for their services will continue to rise in the coming years.

The program inauguration ceremony was done by Saraswati Pooja followed by Navakar Mantra and lighting of lamp with the hands of Dr. Sanjay G Walode, Principal, RMDIPER. The imminent speakers from an Industry and Academia were called for deliberation on various topics pertaining to "Emerging Trends in Intellectual Property Rights" such as Introduction of the intellectual property and Intellectual Property Rights, Need for legal protection of intellectual property, Components of Intellectual Property Rights. Patents and Copyright Industrial design rights, Trademarks and Plant variety rights In some jurisdictions, trade secrets, Trade dress and Geographical indications, International regime of Intellectual Property Rights, Laws relating to Intellectual Property Rights in India etc. The 126 students of B. Pharm. were actively participated in the certificate program course. Topic of seminar and presentation created lots of enthusiasm and interest in all participating students.

The valedictory function for this certificate program was conducted in auditorium. Participants have given feedback and shared experience of program. Program Co-ordinator Dr. S. H. Lakade had given vote of thanks for the conduct of successful certificate program.



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Expert delivering a speech on 'Emerging Trends in Intellectual Property Rights'.

Program Coordinator



Principal

**Rasiklal M. Dhariwal Institute of
Pharmaceutical Education & Research
Chinchwad Station, Pune - 411019.**



Shri Jain Vidya Prasarak Mandal's

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Certificate Program 2022-2023

(16/01/2023-21/01/2023)

Title: "Emerging Trends in Intellectual Property Rights"

Schedule details

Sl. No.	Day	Date	Time Duration	Time	Name of Speaker	Particulars
01	Monday	16.01.2023	05 Hours	11:00am-04:00 pm	Mrs. Archana Gavade Mr. Somdatta Chaudhary	Inauguration Function. Introduction of the intellectual property and Intellectual Property Rights, Need for legal protection of intellectual property.
02	Tuesday	17.01.2023	05 Hours	11:00am-04:00 pm	Mr. Somdatta Chaudhary	Components of Intellectual Property Rights.
03	Wednesday	18.01.2023	05 Hours	11:00am-04:00 pm	Mr. Somdatta Chaudhary	Patents and Copyright Industrial design rights
04	Thursday	19.01.2023	05 Hours	11:00am-04:00 pm	Mrs. Archana Gavade Mr. Somdatta Chaudhary	Trademarks and Plant variety rights In some jurisdictions, trade secrets.
05	Friday	20.01.2023	05 Hours	11:00am-04:00 pm	Mrs. Archana Gavade Mr. Somdatta Chaudhary	Trade dress and Geographical indications, International regime of Intellectual Property Rights.
06	Saturday	21.01.2023	05 Hours	11:00am-04:00 pm	Mrs. Archana Gavade Mr. Somdatta Chaudhary	Laws relating to Intellectual Property Rights in India and Conclusion of program.



(Signature)

Program Coordinator

(Signature)
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 Chinchwad Station, Pune-411019



Manikchand



Elite Institute of Pharma Skills (EIPS)

and

**Shri Jain Vidya Prasarak Mandal's,
Rasiklal M. Dhariwal Institute of Pharmaceutical Education
and Research, Chinchwad, Pune**



Presented to

Ms. BORANA BHAGYASHREE N.

has successfully completed the certificate program on -
“Emerging Trends in Intellectual Property Rights”
held on
16th -21st January 2023

**Mrs. Archana Gawade
Director, Elite**

**Dr. Sanjay G. Walode
Principal**

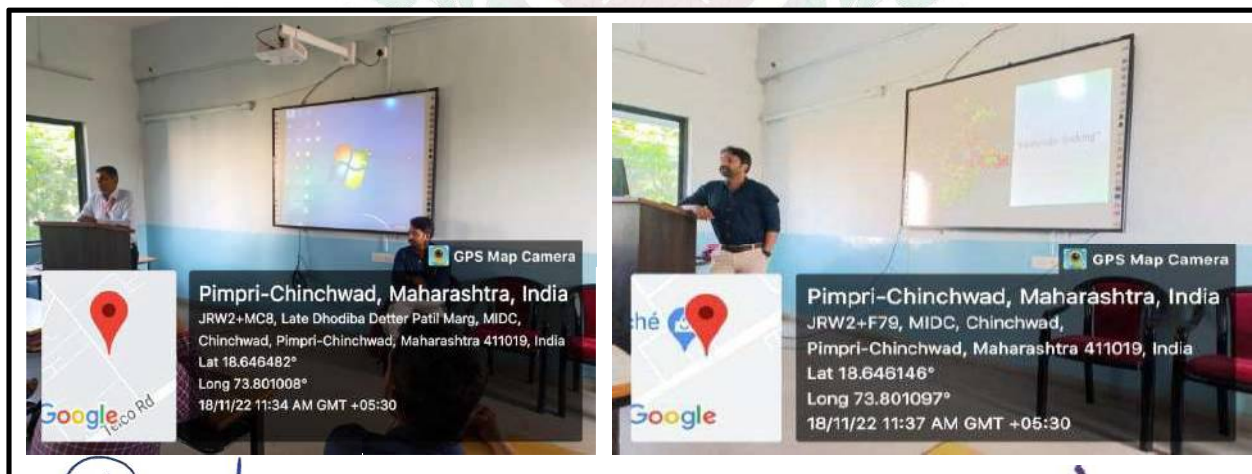



Date: 18/11/2023

ACTIVITY REPORT

Activity	Seminar on "Molecular Docking" by Mr. Somdatta Chaudhari
Day & Date	18/11/2022 (Friday)
Time	11:00 am to 01:00 pm
Venue	RMDIPER
Description	An seminar on "Molecular Docking" was conducted on 11 th November, 2022(Friday) from 11.00 am to 01.00 noon at Rasiklal M. Dhariwal Institute of Pharmaceutical Education and Research (RMDIPER), Chinchwad, Pune. Mr. Somadatta Chaudhari, Assistant Professor, Department of Pharmaceutical Chemistry, Modern college of Pharmacy Nigadi was invited as the Resource Person to deliver a Talk on the theme of the Guest Lecture. The students and faculty members of RMDIPER participated the Guest Lecture. Dr. V. S. Neharkar, associate Professor Pharmacology department co-ordinated the programme. Dr. A. A. Garud, Assistant Professor of pharmacology conducts the program. The programmed was closed with a formal vote of thanks to Principal, Resource Person, Faculty members and Student participants followed by a snapshot of the session by Dr. Garud sir. The members of pharmaceutical chemistry department Mrs. B.J.Warude also assist for successfully conduction of the event.
Present Students	82
Outcome	Advanced Learning and experimentation.

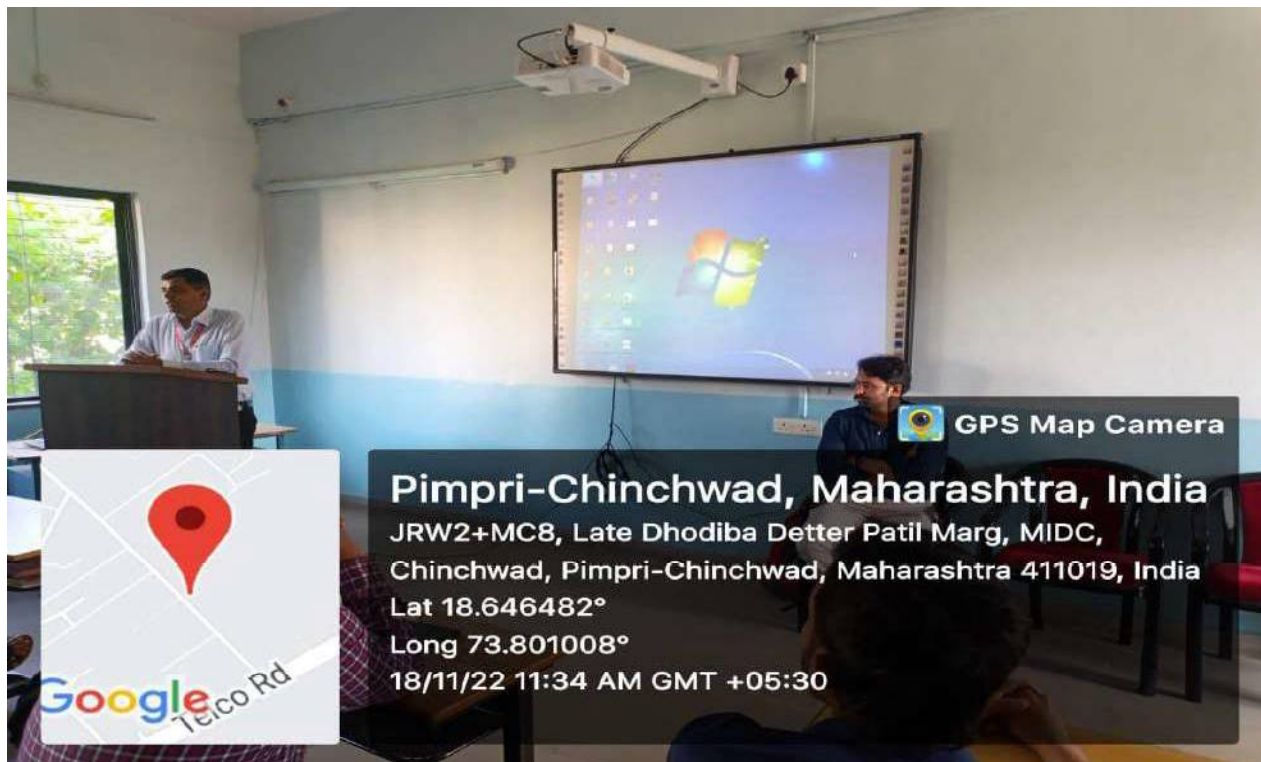
PHOTOS




 Dr. A. A. Garud

Seminar on "Molecular Docking"


 Dr. S.G. Walode



Pimpri-Chinchwad, Maharashtra, India

JRW2+MC8, Late Dhodiba Detter Patil Marg, MIDC,
Chinchwad, Pimpri-Chinchwad, Maharashtra 411019, India
Lat 18.646482°
Long 73.801008°
18/11/22 11:34 AM GMT +05:30

Introduction and Welcome of resource person by program coordinator Dr.V.S.Neharkar



Pimpri-Chinchwad, Maharashtra, India

JRW2+F79, MIDC, Chinchwad,
Pimpri-Chinchwad, Maharashtra 411019, India
Lat 18.646146°
Long 73.801097°
18/11/22 11:37 AM GMT +05:30

Seminar delivered by resource person Mr. Somadatta Chaudhari

॥ परमं नाण तत्रो दया ॥

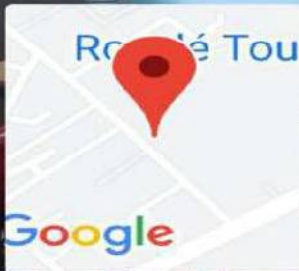


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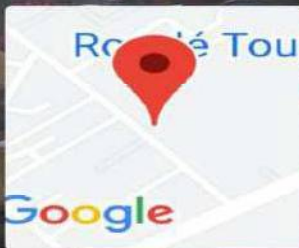


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Pimpri-Chinchwad, Maharashtra, India
JRW2+MC8, Late Dhodiba Detter Patil Marg, MIDC,
Chinchwad, Pimpri-Chinchwad, Maharashtra 411019, India
Lat 18.646642°
Long 73.800947°
18/11/22 12:39 PM GMT +05:30

Seminar delivered by resource person Mr. Somadatta Chaudhari



Pimpri-Chinchwad, Maharashtra, India
JRW2+MC8, Late Dhodiba Detter Patil Marg, MIDC,
Chinchwad, Pimpri-Chinchwad, Maharashtra 411019, India
Lat 18.646633°
Long 73.800961°
18/11/22 12:54 PM GMT +05:30

Attendance of students and staff for Seminar



Dr. A. A. Garud

Member





(Dr. S. G. Walode)

Principal



**Shri Jain Vidya Prasarak Mandal's
Rasiklal M. Dhariwal Institute of
Pharmaceutical Education and Research, Pune.**

**Seminar on
Current scenario and Career opportunity in Sterile
Dosage form**



**Resource Person
Mr Amol Laddha**

**Assistant manager (Manufacturing unit) Enzene Biosciences
Limited Chakan M.I.D.C., Pune.**

**Saturday 26th November, 2022
11:00 AM to 12:30 PM
Venue – Class Room 1 RMDIPER**



**Co-ordinator
Dr. Sameer H. Lakde**

**Members
Mr. Anand P. Kakde
Mrs. Vibhavari M. Chatur**

**Convener
Principal
Dr. Sanjay G. Walode**

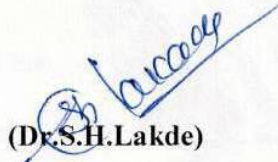




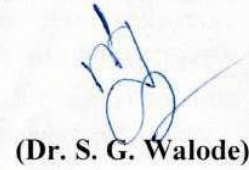
Date: 22/11/2022

NOTICE

All the students of S.Y, T.Y, Final Year and Faculty members are hereby informed that a Guest Lecture on “**Current Scenario and Career Opportunity in Sterile Dosage Form**” has been organized by Pharmaceutics department in our institute. The date for the seminar has been scheduled on **26thNovember, 2022(Saturday)** in classroom 1 and the session will begin at **11.00 am**. All are requested to attend the same. For further details, the **Seminar Flyer** is affixed herewith.


(Dr.S.H.Lakde)

Coordinator & HOD Pharmaceutics Dept.


(Dr. S. G. Walode)

Principal

Rasiklal M. Dhariwal Institute of
Pharmaceutical Education & Research
Chinchwad Station, Pune-411019





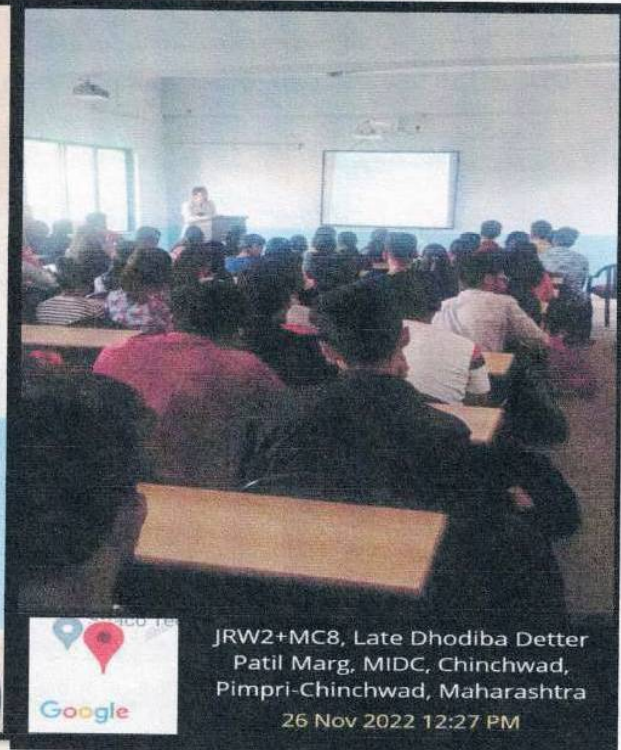
Date: 28/11/2022

GUEST LECTURE REPORT

A seminar on “**Current scenario and Career opportunity in Sterile Dosage form**” was conducted on **26th November, 2022(Saturday)** from **11.00 am** to **12.00 noon** at Rasiklal M. Dhariwal Institute of Pharmaceutical Education and Research (RMDIPER), Chinchwad, Pune. **Mr Amol Laddha** Assistant manager (Manufacturing unit) Enzene Biosciences Limited Chakan M.I.D.C., Pune was invited as the Resource Person. The students and faculty members of RMDIPER attended the seminar. Dr.S.H.Lakde, the Associate Professor Pharmaceutics Department co-ordinated the programme.

The seminar was commenced at 11.00 am with a brief welcome notes followed by the introduction of the speaker by the Mrs.V.M.Chatur. The speaker delivered the speech relevant to the topic of the seminar for about 90 minutes. He explained Classification, Formulation and Evaluation of sterile dosage form in simplified way. He also emphasized on significance of the sterile dosage form in Chemotherapy's. Then he explained the working culture and requirement of sterile manufacturing unit. At last he provided information on Career opportunity in Sterile Dosage form. Question and answer (Q&A) session was conducted immediately after the deliberation of the speaker. Faculty and student participants actively interacted with the Resource Person and discussed with him about their queries. More than 90 participants successfully attended the seminar. After the scientific session is over, Mrs.V.M.Chatur briefly addressed the participants and gratefully thanked Resource Person for accepting invitation and nice deliberation in the seminar. The programme was closed with a formal vote of thanks to Principal, Resource Person, Faculty members and Student participants followed by a snapshot of the session.






Welcome of resource person by program coordinator Dr. S. H. Lakde

Seminar delivered by resource person Mr Amol Laddha


Dr. S. H. Lakde
Coordinator




Dr. S. G. Walode
Principal
Rasiklal M. Dhariwal Institute of
Pharmaceutical Education & Research
Chinchwad Station, Pune-411019



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Attendance sheet

Seminar on :Current scenario and Career opportunity in Sterile Dosage Form					
Resource Person: Mr.Amol Laddha			Class: Final Year B. Pharm		
Date: 26/11/2022			Semester: VII		
Roll No.	Name of Students	Sign	Roll No.	Name of Students	Sign
1.	Alankar Gayatri Bapu		34.	Kale Anushka Swapnil	
2.	Atar Rukhasar		35.	Kasawa Shreyash Dhiraj	
3.	Atole Saurabh Atmaram		36.	Kathed Samyak Manoj	
4.	Aware Dattatray Bajirao		37.	Khan Asiya Israil	
5.	Badre Saloni Ramesh		38.	Khopkar Sumit Subhash	
6.	Bafna Anuj		39.	Kulkarni Harshada Shrikant	
7.	Bamb Priyanka		40.	Kuvar Gaurav Dhudku	
8.	Bamb Yash Rajendra		41.	Lingayat Sanjyoti Satish	
9.	Bardiya Ketan Naresh		42.	Mahajan Anshuma	
10.	Bhandari Vardhaman		43.	Munot Rushabh Kiran	
11.	Bhendale Prajakta Arun		44.	Nanekar Kaustubh	
12.	Bhong Gauri Rajkumar		45.	Patil Aditi Ankush	
13.	Borkar Pratiksha		46.	Pawar Vaishnavi Rajendra	
14.	Burud Shreya Ravindra		47.	Pratiksha Davkare	
15.	Changediya Sneha		48.	Raut Tanaya Asaram	
16.	Chankeshwara Sidhant		49.	Runwal Chaitrali Atul	
17.	Chhajed Kushal Satish		50.	Sancheti Chetana Prakash	
18.	Chidgire Mira Vitthal		51.	Shah Mahima Jitendra	
19.	Chorbele Shreyans		52.	Shah Vrushabh Bahubali	
20.	Chordiya Harish Sanjay		53.	Shinde Anurag Narendra	
21.	Choubey Beauty		54.	Shinde Kalyani Abasaheb	
22.	Choudhary Kamlesh		55.	Shinde Prasad Sanjay	



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23.	Erandole Sujit	<u>Sujit</u>	56.	Shinde Rameshwar Ashok	<u>Rshinde</u>
24.	Gaikwad Tushar	<u>Tushar Gaikwad</u>	57.	Sirvi Indra Hemaram	<u>Indra</u>
25.	Gandhi Kalpesh Dipak		58.	Sonawane Gaurav Shivaji	
26.	Gawade Abhishek		59.	Soni Samkit Dilip	
27.	Gelot Rohit Jagdish		60.	Surana Prachi Rajendra	<u>Prachi</u>
28.	Gugale Isha Deepak		61.	Thatte Chaitrali Atul	<u>C.A. Thatte</u>
29.	Gugale Prachi Kishor		62.	Todarwal Sanket	
30.	Jadhav Manasi Pradip	<u>MJadhav</u>	63.	Wanare Nikhil Arun	
31.	Jain Akshita Pramod	<u>Ashita</u>	64.	Ware Paras Sukumar	
32.	Javir Jayashree Rajesh		65.	Ware Tanaya Shrikant	<u>Tanaya</u>
33.	Kakade Rutuja Vijay		66.	Waware Sakshi Uday	<u>Saware</u>

S.Y. Dpharm (RMDLCP)

- ① Sonali Prakash Babar:- Sonali
- ② Neha Shribandu Shelke Neha
- ③ Jyoti Prathad Heale Jyoti
- ④ Sandhya S. Patil Satil
- ⑤ Minhaj Ansari Minhaj
- ⑥ Khan Bilkeash Bilkeash
- ⑦ Mete Vasudha Ravindra Mete
- ⑧ Richya Doshi R.N. Doshi
- ⑨ Chaitrali Tapkir Chaitrali
- ⑩ Bhagyashree Padmane Bhagyashree



Attendance sheet

Seminar on :Current scenario and Career opportunity in Sterile Dosage Form					
Resource Person: Mr.Amol Laddha			Class: Third Year B. Pharm		
Date: 26/11/2022			Semester: V		
Roll No.	Name of Students	Sign	Roll No.	Name of Students	Sign
1.	Agarwal Disha Sanjay	<i>Disha</i>	36.	Mahajan Taral Ratnakar	<i>Taral</i>
2.	Annadate Ajay Mahavir	<i>Aj</i>	37.	Maindarge Shubham Sunil	—
3.	Bakliwal Chetan Mahavir	<i>Chetan</i>	38.	Mali Shashank Balaji	
4.	Bhajankar Leena	<i>Leena</i>	39.	Maliyal Kanishka Narendra	
5.	Bhor Pratik Sandeep		40.	Mehta Tejas Satyen	
6.	Bhujbal Durgesh		41.	Mokashi Pranav Rohidas	<i>Mokashi</i>
7.	Birajdar Vishal Jaihind	<i>Vishal</i>	42.	Mutha Isha Vipul	
8.	Borana Bhagyashree	<i>B</i>	43.	Nahar Jay Pravin	<i>Jay</i>
9.	Chaudhary Suresh		44.	Naram Pratik Sunil	—
10.	Chavan Sanika Mohan		45.	Pande Samiksha Vijaykumar	
11.	Chobharkar Gajendrakumar		46.	Parihar Shravan Jagdish	
12.	Choudhary Rajesh	<i>Rajesh</i>	47.	Pathak Ravirajan	
13.	Choudhari Smita Sudesh	<i>S</i>	48.	Pathare Ganesh Suryabhan	<i>Pathare</i>
14.	Choudhary Pooja Khetaram		49.	Patil Harshwardhan Kisan	<i>Patil</i>
15.	Choudhary Pramod		50.	Patil Prathamesh Vijay	
16.	Choudhary Suresh P.		51.	Patil Pratiksha Shambhirao	<i>Patil</i>
17.	Choudhary Vinod Mohanlal	—	52.	Pawar Sumedh Laxmikant	<i>Pawar</i>
18.	Chougule Diya Satish		53.	Pinjarkar Bhushan Atul	
19.	Choutmal Jaydeep		54.	Rachana Shah	
20.	Dugad Jinesh Yogesh		55.	Raskar Akshata Ankush	<i>Raskar</i>
21.	Gadiya Krushikesh Santosh		56.	Ratadiya Mahima Yogesh	
22.	Gandhi Preet Sameer	<i>P</i>	57.	Sanghvi Jainam Jitendra	<i>Jainam</i>
23.	Ghule Abhishek Sanjay	<i>Abhishek</i>	58.	Sawargave Sateweli	<i>Sateweli</i>



Rasiklal M. Dhariwal Institute of Pharmaceutical Education & Research

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Manikchand

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24.	Guindsha Lisha Ganesh	<u>Lia</u>	59.	Shah Atharva Deepak	<u>Ashah</u>
25.	Habale Rohan Santosh		60.	Shah Dhruv Nilesh	
26.	Jagdale Shruti Vitthal	<u>Shruti</u>	61.	Shinde Vaibhavlaxmi	<u>Vaishinde</u>
27.	Kaldate Kaustubh	<u>K</u>	62.	Solanki Harsh Dalpat	<u>Harsh</u>
28.	Kalyankar Samruddhi		63.	Soni Neha Santosh	<u>Nsoni</u>
29.	Kasliwal Sakshi Uday	<u>Sakshi</u>	64.	Surve Sneha Vikas	<u>Sneha</u>
30.	Khan Nasimakhatoon A	<u>Nasima</u>	65.	Tambe Samruddhi Jayram	
31.	Khivansara Sakshi Rajendra	<u>Sakshi</u>	66.	Tirtha Vaishnavi Govind	
32.	Kote Pritam Mahavir	<u>Pritam</u>	67.	Tornekar Shivam Vijaykumar	<u>Shivam</u>
33.	Landge Sarthak Somnath	<u>Landge</u>	68.	Waje Prajyoti Rahul	<u>Prajyoti</u>
34.	Lokesh Salvi	<u>Lokesh</u>	69.	Yadav Shivam Vinod	
35.	Lunkad Sakshi Nilesh	<u>Sakshi</u>			



Shri Jain Vidya Prasarak Mandal's

**Rasiklal M. Dhariwal Institute of
Pharmaceutical Education & Research**

[Formerly Shri Fattechand Jain College of Pharmacy (B.Pharm.)]



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Approved By PCI, AICTE New Delhi, DTE (PH-6823) & Affiliated to Savitribai Phule Pune University (PU/PN/Pharm/448/2014)

Attendance sheet

Seminar on :Current scenario and Career opportunity in Sterile Dosage Form					
Resource Person: Mr.Amol Laddha			Class: Second Year B. Pharm		
Date: 26/11/2022			Semester: III		
Roll No.	Name of Students	Sign	Roll No.	Name of Students	Sign
1.	Abbad Yash Rajkumar	Yash	32.	Jangid Prakash Devilal	
2.	Aditya Nagesh Kumbre	Aditya	33.	Katariya Pranjal Manoj	Pmk
3.	Aher Shrutika Rajesh	Shrutika	34.	Kinikar Aniket Sanjay	Aniket
4.	Ambarkar Tejas Harivijay	Tejas	35.	Kshirsagar Anuja Satish	
5.	Ansari Ikram Minhaj		36.	Kusekar Janhavi	Janhavi
6.	Bansode Shreya Prashant	Shreya	37.	Lunawat Ronak Rajendra	Ronak
7.	Bele Shreya Annasaheb	Shreya	38.	Madake Shivani Balasaheb	Madake
8.	Bende Rasika Sunil	Rasika	39.	Madkar Pratik Suresh	
9.	Bhokare Sanchit	Sanchit	40.	Majage Sudarshan	
10.	Bora Dipak Vilas	Dipak	41.	Munot Gautam Navneet	Gautam
11.	Borkar Sharvari Kumar	Sharvari	42.	Nupur Nitin Barbare	
12.	Chauhan Bipin		43.	Oswal Prayash Pravin	
13.	Chordiya Shruti Sunil	Shruti	44.	Patil Kiran Arun	KR Patil
14.	Choudhary Kashish Dilip		45.	Prajakta Paraskumar Parakh	P. Parakh
15.	Chougule Pranjali Prakash	Pranjali	46.	Pratiksha Nitin Yewale	Pratiksha
16.	Chougule Priyadarshani R		47.	Sankpal Prajakta Vikas	Prajakta
17.	Chuttar Nikhil Rahul		48.	Shah Mokshit Manojkumar	Mokshit
18.	Dewasi Kailash Vanaram		49.	Shah Prathamesh Bahubali	Prathamesh
19.	Dhilod Shantanu Sanjay		50.	Shah Riya Rahul	
20.	Diya Shah	Diya	51.	Shaha Sakshi Aniket	Sakshi
21.	Doke Ajit Prafulla	Ajit	52.	Surana Shruti	Shruti
22.	Doshi Akash Santosh		53.	Suryavanshi Vaishnavi	Vaishnavi
23.	Doshi Ketki Ashish		54.	Tanvi Vaibhav Redij	Tanvi
24.	Doshi Sujal Sachin		55.	Tate Manasi Keshav	Manasi
25.	Falguni Sharad Petare	Falguni	56.	Ugade Rupesh Yashwan	
26.	Fayyaj Jalal Shaikh		57.	Undare Gauri Abasaheb	Gauri
27.	Gadiya Siddhesh Dilip	Siddhesh	58.	Upadhye Ayush Shrenik	Ayush
28.	Gaware Omkar Sanjay	Omkar	59.	Upadhye Sujeet Sharad	Sujeet
29.	Hipparkar Sneha Damodar	Sneha	60.	Wanare Sanket Sanjay	Sanket
30.	Jadhav Dipali Sadashiv		61.	Yadav Pooja Shivkumar	
31.	Jangale Dhanashri Sharad		62.	Yadav Sakshi Santosh	

69 - Bhavesh Chordhary B. Pharm
(DSY)



Shri Jain Vidya Prasarak Mandal's
Rasiklal M. Dhariwal Institute of Pharmaceutical Education and Research
Chinchwad, Pune 411019

Seminar on

"Emerging Trends in Clinical Research and Pharmacovigilance"

Organized by

RMDIPER's Institution's Innovation Council (IIC)
& Research and Development Cell (RDC)
under the aegis of IQAC



Dr. Mrs. Trupti Deshpande,
Assistant Professor,
Dept. of Pharmacology,
JSPM'S Rajarshi Shahu College of
Pharmacy, Tathawade, Pune

30/09/2022 (Friday) at 11.00 AM

Hon .President (Chief Patron)
Shri P.R. Dhariwal

Hon. Chairman
Shri S.R. Lunkad

Hon. Gen. Secretary
Adv. Shri R. S. Mutha

Dr. Shweta P. Ghode
Co-ordinator IQAC

Dr. Sanjay G. Walode
Principal & President, IIC

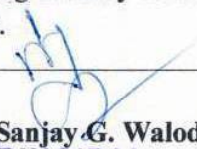


Activity Report

Activity (Co- curricular)	Seminar on “ Emerging Trends in clinical Research and Pharmacovigilance”
Day & Date	Friday 30/09/2022
Time	11.00AM-12.PM
Venue	Classroom I
Guest Speaker	Dr. Trupti Deshpande , Assistant Professor, Dept. of Pharmacology. JSPM'S Rajarshi Shahu College of Pharmacy, Tathawade, Pune
Audience	Third Year and Final Year Students, Teachers
Description of Seminar	An exclusive seminar was organized with the good strength of students and great enthusiasm. The webinar was started with the Welcome ceremony of Guest Speaker and participants by Ms. RohiniC. Kolhe, Asst. Professor, Pharmacognosy Dept. Guest was honoured by Dr. Sanjay G. Walode, Principal, RMDIPER with Memento and Bouquet. Dr. Trupti Deshpande has Explained different phases of clinical trials, details of Pharmacovigilance, carrier opportunities, Organization of PV, Artificial Intelligence, Ikigai and many more. The overall presentation and valuable inputs of Speaker were appreciable through the webinar. An excellent question answer session was arranged between Speaker and Delegates to solve the queries and as outcome received a satisfactory and fare response by Speaker and participants. Compendium was presented by Dr. Shweta P. Ghode includes short summary with all the necessary information and key points given by Speaker during the lecture and extended the gratitude towards the Management, Speaker and Participants for their valuable inputs and time and congratulate the entire team of RMDIPER for the successful completion of Webinar. The Speaker was felicitated by certificate through Dr. Mithun Rudrapal, Research and Development Cell coordinator. The feedback forms were filled by the participants and received an excellent comment for Speaker inputs and overall coordination of Webinar.
Participants attended seminar	More than 110 students and staff
Scope of the Seminar	As clinical research is a current knowledge-intensive and booming industry with a wide scope of employment opportunities for trained professionals.


Dr. Shweta P. Ghode
Program Co-ordinator


Ms. Rohini Kolhe
Co-Cordinator


Dr. Sanjay G. Walode
PRINCIPAL
Rasiklal M. Dhariwal Institute of
Pharmaceutical Education & Research
Chinchwad Station, Pune-411010



A Seminar on Emerging Trends in Clinical Research and Pharmacovigilance

ATTENDANCE

Organized By-RMDIPERs Institution's Innovation Council (IIC) & Research and Development Cell (RDC) under the aegis of IQAC ,
Day and Date: September 30, 2022 (Friday)
Time: 11 to 12 PM
Resource Person: Dr. Trupti Deshpande, Assistant Professor, Dept. of Pharmacology. JSPM'S Rajarshi Shahu College of Pharmacy, Tathawade, Pune

Class: Final Year B. Pharm

Sr. no.	Name of Students	Sign	Sr.no.	Name of Students	Sign
1.	AlankarGayatriBapu		34.	KathedSamyak Manoj	
2.	AtarRukhasarRajmahammad		35.	Khan Asiyalsrail	
3.	AtoleSaurabhAtmaram		36.	Kulkarni HarshadaShrikant	
4.	Aware DattatrayBajirao		37.	Kuvar Gaurav Dhudku	
5.	BadreSaloni Ramesh		38.	LingayatSanjyotiSatish	
6.	BambPriyankaRajendra		39.	Mahajan AnshumaShantikumar	
7.	BambYashRajendra		40.	MunotRushabhKiran	
8.	BardiyaKetanNaresh		41.	NanekarKaustubhMachindra	
9.	Bhandari VardhamanNitinkumar		42.	PatilAditiAnkush	
10.	BhendalePrajaktaArun		43.	PawarVaishnaviRajendra	
11.	BhongGauriRajkumar		44.	DavkarePratikshaMadhav	
12.	BorkarPratikshaRamdas		45.	RautTanayaAsaram	
13.	Burud Shreya Ravindra		46.	SanchetiChetana Prakash	
14.	ChangediyaSneha Rahul		47.	ShindeAnuragNarendra	
15.	ChankeshwaraSidhant Sanjay		48.	ShindeKalyaniAbasaheb	
16.	ChhajedKushalSatish		49.	Shinde Prasad Sanjay	
17.	Chidgire Mira Vitthal		50.	ShindeRameshwar Ashok	
18.	ChorbeleShreyansPravin		51.	SirviIndraHemaram	
19.	Chordiya Harish Sanjay		52.	Sonawane Gaurav Shivaji	



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20.	Choubey Beauty Kailash		53.	SoniSamkitDilip	<i>Samkit</i>
21.	ChoudharyKamleshSafaram	<i>Kamlesh</i>	54.	SuranaPrachiRajendra	<i>Prachi</i>
22.	ErandoleSujitShankarrao		55.	ThatteChaitraliAtul	<i>C.A. Thatte</i>
23.	GaikwadTusharTukaram	<i>Tushar</i>	56.	Ware Paras Sukumar	<i>Paras</i>
24.	GawadeAbhishekAnant	<i>Abhishek</i>	57.	Ware TanayaShrikant	<i>Shrikant</i>
25.	GelotRohitJagdish	<i>Rohit</i>	58.	WawareSakshiUday	
26.	GugaleIsha Deepak		59.	BafnaAnujHemantkumar	<i>ABafna</i>
27.	GugalePrachiKishor	<i>Prachi</i>	60.	Gandhi KalpeshDipak	<i>K.D.G.</i>
28.	JadhavManasiPradip		61.	KhopkarSumitSubhash	
29.	Jain AkshitaPramod	<i>Akshita</i>	62.	RunwalChaitraliAtul	<i>Chaitrali</i>
30.	JavirJayashree Rajesh	<i>Jayashree</i>	63.	Shah MahimaJitendra	<i>Mahima</i>
31.	KakadeRutuja Vijay	<i>Rutuja</i>	64.	Shah VrushabhaBahubali	<i>Vrushabha</i>
32.	Kale AnushkaSwapnil	<i>Anushka</i>	65.	TodarwalSanketRikhbchand	<i>Sanket</i>
33.	KasawaShreyashDhiraj		66.	Wanare Nikhil Arun	

Shweta P. Ghode
Dr. Shweta P. Ghode
IQAC Co-ordinator

Sanjay G. Walode
Dr. Sanjay G. Walode
Principal & President IIC
PRINCIPAL
Rasiklal M. Dhariwal Institute of
Pharmaceutical Education & Research
Chinchwad Station, Pune-411019



A Seminar on Emerging Trends in Clinical Research and Pharmacovigilance

ATTENDANCE

Organized By-RMDIPERs Institution's Innovation Council (IIC) & Research and Development Cell (RDC) under the aegis of IQAC ,
Day and Date: September 30, 2022 (Friday)
Time: 11 to 12 PM
Resource Person: Dr. Trupti Deshpande, Assistant Professor, Dept. of Pharmacology. JSPM'S Rajarshi Shahu College of Pharmacy, Tathawade, Pune

Class: Third Year B. Pharm

Sr. no.	Name of Students	Sign	Sr.no.	Name of Students	Sign
1.	Agarwal Disha Sanjay		36.	Mali Shashank Balaji	
2.	Annadate Ajay Mahavir		37.	Maliyal Kanishka Narendra	
3.	Bakliwal Chetan Mahavir		38.	Mokashi Pranav Rohidas	
4.	Bhajankar Leena C.		39.	Mutha Isha Vipul	
5.	Bhor Pratik Sandeep		40.	Nahar Jay Pravin	
6.	Bhujbal Durgesh D		41.	Naram Pratik Sunil	
7.	Birajdar Vishal Jaihind		42.	Parihar Shraavan Jagdish	
8.	Chavan Sanika Mohan		43.	Pathare Ganesh Suryabhan	
9.	Chobharkar Gajendrakumar J		44.	Patil Harshwardhan Kisan	
10.	Choudhari Smita Sudesh		45.	Patil Prathamesh Vijay	
11.	Choudhary Pooja Khetaram		46.	Patil Pratiksha Bhimrao	
12.	Choudhary Pramod D.		47.	Pawar Sumedh Laxmikant	
13.	Choudhary Rajesh G.		48.	Raskar Akshata Ankush	
14.	Choudhary Suresh Pemaram		49.	Ratadiya Mahima Yogesh	
15.	Choudhary Suresh S.		50.	Sarvi Lokesh	
16.	Choudhary Vinod Mohanlal		51.	Sanghvi Jainam Jitendra	
17.	Chougule Diya Satish		52.	Sawargave Sateweli S.	
18.	Choutmal Jaydeep Ganeshrao		53.	Shah Atharva Deepak	
19.	Dhruv Nilesh Shah		54.	Shah Rachana	



Shri Jain Vidya Prasarak Mandal's
**Rasiklal M. Dhariwal Institute of
Pharmaceutical Education & Research**
[Formerly Shri Fattechand Jain College of Pharmacy (B.Pharm.)]



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20.	Dugad Jinesh Yogesh	<i>Dugad</i>	55.	Shinde Vaibhavlaxmi D.	<i>Shinde</i>
21.	Gadiya Krushikesh Santosh	<i>Krushi</i>	56.	Solanki Harsh Dalpat	<i>Harsh</i>
22.	Gandhi Preet Sameer	<i>P</i>	57.	Soni Neha Santosh	
23.	Ghule Abhishek Sanjay	<i>Ghule</i>	58.	Surve Sneha Vikas	<i>Surve</i>
24.	Habale Rohan Santosh	<i>Habale</i>	59.	Tambe Samruddhi Jayram	
25.	Jagdale Shruti Vitthal	<i>Jagdale</i>	60.	Tirtha Vaishnavi Govind	<i>Tirtha</i>
26.	Kalyankar Samruddhi M.	<i>S.K.K.</i>	61.	Tornekar Shivam V.	<i>Tornekar</i>
27.	Kapase Harshvardhan B.		62.	Waje Prajyoti Rahul	
28.	Kasliwal Sakshi Uday	<i>Kasliwal</i>	63.	Yadav Shivam Vinod	<i>Yadav</i>
29.	Khan Nasima Khatoon A.	<i>Nasima</i>	64.	Borana Bhagayshree Nekaram	<i>B.</i>
30.	Khivansara Sakshi Rajendra	<i>S.K.</i>	65.	Guindsha Lisha Ganesh	<i>Lisha</i>
31.	Kote Pritam Mahavir	<i>P.K.</i>	66.	Kaldate Kaustubh	<i>Kaldate</i>
32.	Landge Sarthak Somnath	<i>Landge</i>	67.	Mehta Tejjassatyen	<i>TJJ Mehta</i>
33.	Lunkad Sakshi Nilesh	<i>Lunkad</i>	68.	Pande Samiksha Vijaykumar	<i>Pande</i>
34.	Mahajan Taral Ratnakar	<i>Taral</i>	69.	Pathak Ravirajanrajeevkumar	<i>Pathak</i>
35.	Maindarge Shubham Sunil	<i>Maindarge</i>	70.	Pinjarkar Bhushan Atul	<i>Pinjarkar</i>

Dr. Shweta P. Ghode
Dr. Shweta P. Ghode
IQAC Co-ordinator

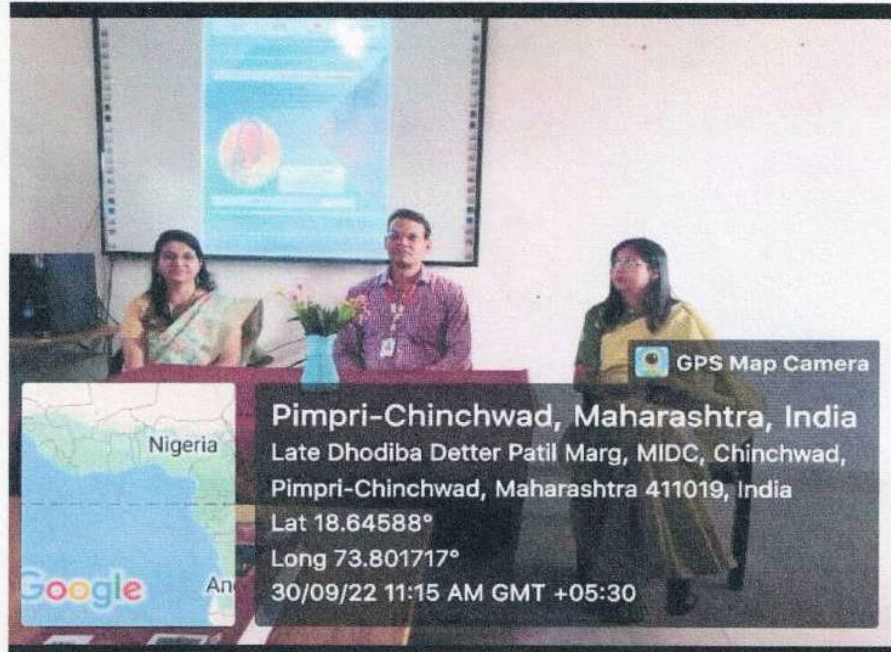
Dr. Sanjay G. Walode
Dr. Sanjay G. Walode
Principal & President IIC
PRINCIPAL

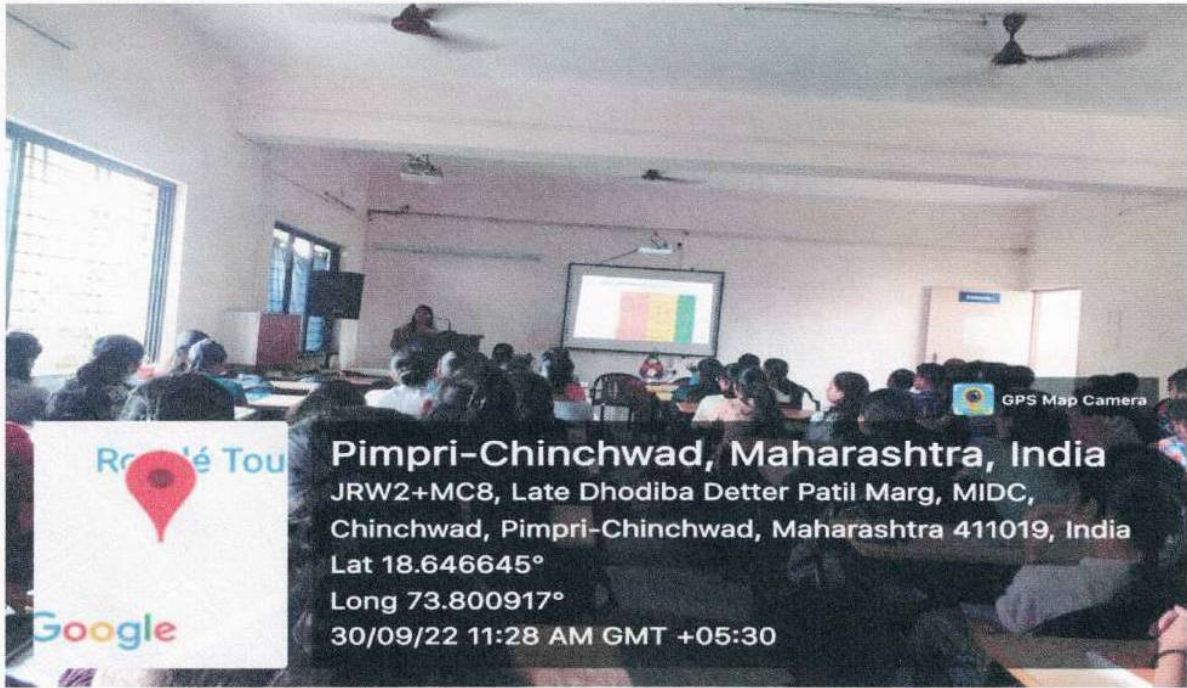
Rasiklal M. Dhariwal Institute of
Pharmaceutical Education & Research
Chinchwad Station, Pune-411019

PHOTO GALLERY

Seminar on “Emerging Trends in clinical Research and Pharmacovigilance” on Friday

30/09/2022





Pimpri-Chinchwad, Maharashtra, India
JRW2+MC8, Late Dhodiba Detter Patil Marg, MIDC,
Chinchwad, Pimpri-Chinchwad, Maharashtra 411019, India
Lat 18.646645°
Long 73.800917°
30/09/22 11:28 AM GMT +05:30







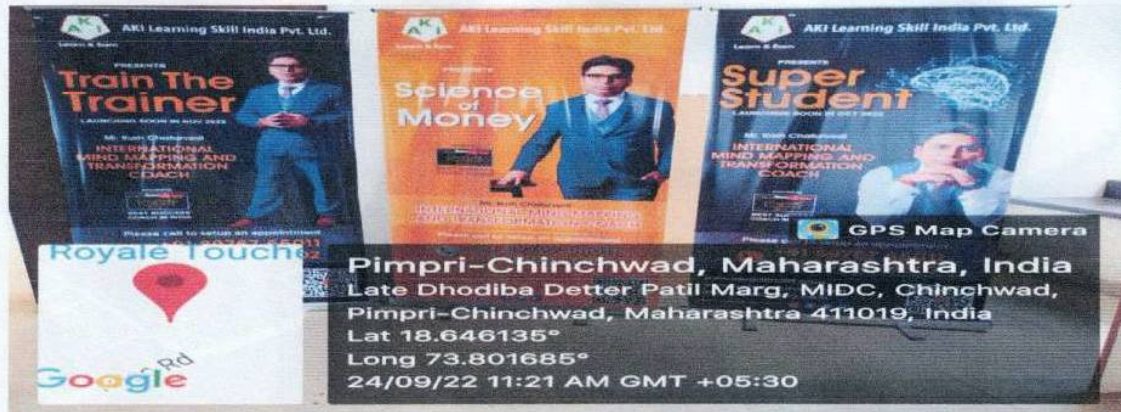
**One Day Seminar On Science Of Mind Organized By Shri Jain Vidya
Prasarak Mandal's Rasiklal M. Dhariwal Institute Of Pharmaceutical
Education And Research, Chinchwad, Pune.**

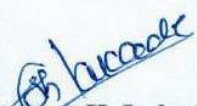
Activity	One Day Seminar
Day & Date	24th September 2022
Time	10.30 am to 5.00pm
Venue	Online
Description	<p>A one day seminar on "Science of Mind" was organized for B-Pharmacy students on 24th September 2022 under Training and Placement Cell (T & PC) & Institution's Innovation Council (IIC) of Shri Jain Vidya Prasarak Mandal's Rasiklal M. Dhariwal Institute of Pharmaceutical Education and Research, Chinchwad, Pune. The guest speaker Mr Kush Chaturvedi (Director, AKI Learning skill India Pvt Ltd) was invited to conduct the seminar. The chief purpose of the seminar was to motivate the students towards building their career and to make them aware about mind programming in achieving their goals of life. It is found that each and every student needs motivation and constant boosting for achieving their goal, and it is very important that the counseling and motivation should be done timely. Keeping the context in mind, the seminar was an initiative to enlighten our students for molding their career towards right direction. The program was inaugurated by lighting a lamp in front of goddess Saraswati's idol. The campus director Mr. Khandu Khillari felicitated Chief Guest Mr. Kush Chaturvedi, Dr. Sanjay G. Walode (Principal) felicitated Mrs. Tina Boruha and other dignitaries on the dais. The speaker of the programme mainly focus and trained our students how to use our best weapon i.e. "BRAIN and MIND" to concentrate and to elevate our thinking process. He well define science has only recently taken aim at understanding how the mind shifts between external events and internal thoughts and feelings unrelated to the goings on around it along with that relation between cognitive and noncognitive states of mind. The total 165 students and 25 teaching of Rasiklal M. Dhariwal Institute of Pharmaceutical Education and Research (B-Pharm), Rasiklal M. Dhariwal college of Pharmacy(D-Pharm),</p>




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Participants	165
Outcome	Training the minds of students for leadership development. To improve the thinking quality and self-reliance.




Dr. Sameer H. Lakade
T & P Incharge


Dr. Sanjay G. Walode
PRINCIPAL
Rasiklal M. Dhariwal Institute of
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Chinchwad Station, Pune-411019



Ref.: RMDIPER/2022-23/

Date: 24/09/2023

**One Day Seminar on Science of Mind
In Association with
AKI LEARNINGS SKILL INDIA PVT LTD
Training & Placement Department, Institution's Innovation Council (IIC) &
Entrepreneurship and Incubation Cell under the Aegis of IQAC
ATTENDANCE OF STUDENTS**

Sr. No.	Name of Student	Year of Study	Sign
1.	Nikhil R. Chuttar	S.Y. Year B.Pharm	
2.	Prayash P. Osual	S.Y. B.Pharm	
3.	Prakash D. Jangid	S.Y. B.Pharm	
4.	Bipin Chauhan	S.Y. B.Pharm	
5.	Dipak Vilas Bara	S.Y. B.Pharm	
6.	Kailash V. Dewari	S.Y. B.Pharm	
7.	Shantanu Dhilod	S.Y. B.Pharm	
8.	Sanchit Shankar Bhojare	S.Y. B.Pharm	
9.	Ajit Dake	S.Y. B.Pharm	
10.	Kashish Choudhary	S.Y. B.Pharm	
11.	Yash abbad	S.Y. B.Pharm	
12.	Ikrum Ansari	S.Y. B.Pharm	
13.	Tejas Ambekar		
14.	Shravya A. Bete	S.Y. B.Pharm	
15.	Pranjali P Chougule	S.Y. B.Pharm	
16.	Shrutika Aher	S.Y. B.Pharm	
17.	Rashika Bende	S.Y. B.Pharm	
18.	Sharvari Borkar	S.Y. B.Pharm	
19.	Aditya Kumbre	S.Y. B.Pharm	
20.	Diya Shah	S.Y. B.Pharm	

Dr. S. H. Lakade
Mrs. H.H.Puranik
Programme Co-ordinators



Dr. S. G. Walode
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Shri Jain Vidya Prasarak Mandal

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ATTENDANCE OF STUDENTS**

Sr. No.	Name of Student	Year of Study	Sign
21.	Thole Sangam Vardhaman	S.Y.	
22.	Shreyash More	S.Y.	
23.	Bhavesh Choudhary	S.Y.	
24.	Mopshit Shah.	S.Y.	
25.	Prajakta Sankpal	S.Y.	
26.	Pooja Yadav	S.Y.	
27.	Tanvi Redij	S.Y.	
28.	Manasi Tate	S.Y.	
29.	Shruti Surana	S.Y.	
30.	Gauri Undore	S.Y.	
31.	Pratiksha Yeole	S.Y.	
32.	Poojita Pasalkh	S.Y.	
33.	Sujeet Upadhye	S.Y.	
34.	Ayush Upadhye	S.Y.	
35.	Riya Shah	S.Y.	
36.	Sakshi Shaha	S.Y.	
37.	Sanket Wanare	S.Y.	
38.	Sayli Kadam	S.Y.	
39.	Avantika Dolaskar	S.Y.	
40.	Jain Akshita	Final year	

**Dr. S. H. Walode /
Mrs. H.H. Puranik**
Programme Co-ordinators



Dr. S. G. Walode

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Shri Jain vidyaprasarakivandars

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ATTENDANCE OF STUDENTS**

Sr. No.	Name of Student	Year of Study	Sign
41.	Sakshi U. Waware	Final Year	
42.	Tanaya S. Ware	final yr	
43.	Ketan N. Baudiya	final yr	
44.	Pratamesh B. Shah	second year	
45.	Kiran A. Patil	second year	
46.	Priyadarshani R. Chougule	second year	
47.	Choubey Beauty Kailash	Final year	
48.	Indra Hemaram Sirvi	Final Year	
49.	Vaishnavi R. Pawar	Final year	
50.	Gayatri B. Atarkar	Final year	
51.	Kalpesh Dipak Grandhi	Final year	
52.	Geet Rohit Jagdish	Final year	
53.	Vrushabh B. Shah	Final Year	
54.	Anuj H. Bafna	final Year	
55.	Sakshi Patil	Second year	
56.	Sushti Soni	second year	
57.	Sakshi Yadav	second Year	
58.	Arshi Thube	Second Year	
59.	Vaishnavi Gandhi	Second year	
60.	Vaishnavi Suryavanshi	Second year	

Dr. S. H. Lakade
Mrs. H.H.Puranik
Programme Co-ordinators



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Entrepreneurship and Incubation Cell under the Aegis of IQAC

ATTENDANCE OF STUDENTS

Sr. No.	Name of Student	Year of Study	Sign
61.	Jadhav Manasi Pradip	Final B.Pharm	M.Jadhav
62.	Pratiksha Darkare	Final Year B.Pharm	Pratiksha
63.	Fayyaz Jalal Shaikh	S.Y.B.Pharm	Fayyaz
64.	Falguni Sharad Petare	S.Y.B.Pharm	FSP
65.	Doshi Ketki Ashish	S.Y.B.Pharm	K.A.Doshi
66.	Doshi Anash Santosh	S.Y.B.Pharm	A.Doshi
67.	Siddhes Dilip Gadiya	S.Y.B.Pharm	Siddhes
68.	Sneha Damodar Hipparkar	S.Y.B.Pharm	Sneha
69.	Dipali Sadashiv Jadhav	S.Y.B.Pharm	Dipali
70.	Dhanashri Sharad Jangale	S.Y.B.Pharm	Dhanashri
71.	Ratadiya Mahima Yogesh	T.Y.B.Pharm	Ratadiya
72.	Murha Isha Vipul	T.Y.B.Pharm	Murha
73.	Pande Samiksha Vijaykumar	T.Y.B.Pharm	Pande
74.	Maliyal Kanishka	T.Y.B.Pharm	K.Maliyal
75.	Shah Rachana Rohit	T.Y.B.Pharm	R.Shah
76.	Shinde Vaibhavlaxmi	T.Y.B.Pharm	Shinde
77.	Khan Navima A.	T.Y.B.Pharm	Khan
78.	Bhajanekar Leena Chandrashekhar	T.Y.B.Pharm	Leena
79.	Samruddhi Jayram Tambe	T.Y.B.Pharm	Samruddhi
80.	Mahajan Taral Ratnakar	T.Y.B.Pharm	Taral

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ATTENDANCE OF STUDENTS**

Sr. No.	Name of Student	Year of Study	Sign
81.	Suresh S. Chaudhary	T.Y	<u>Chaudhary</u>
82.	Vinod. M. Choudhary	T.Y	<u>Vinod</u>
83.	Pratik Bhor	T.Y	<u>Pratik</u>
84.	Pratik Narayan	T.Y	<u>Narayan</u>
85.	Grandhi Brect	T.Y	<u>Brect</u>
86.	Annadate Ajay	T.Y	<u>Ajay</u>
87.	Shubham Maindarje	T.Y	<u>Shubham</u>
88.	Gajendra Chobherkar	T.Y	<u>Chobherkar</u>
89.	Jinesh. Dugad	T.Y	<u>Dugad</u>
90.	Bhashank Mali	T.Y	<u>Bhashank</u>
91.	Prathmesh Pahl	T.Y	<u>Pahl</u>
92.	Saloni R. Badre	Final	<u>Saloni</u>
93.	Khan Aniya Ismail	Final	<u>Ismail</u>
94.	Rukhasar R. Atar	Final	<u>Atar</u>
95.	Jayashree Javir	Final Year	<u>Javir</u>
96.	Gauri Dhong	Final year	<u>Dhong</u>
97.	Mira chidgise	Final year	<u>Mira</u>
98.	sakshi warure	Final year	<u>Sakshi</u>
99.	Tanaya Raut	Final year	<u>Tanaya</u>
100.	Sanjyoti Lingayat	Final year	<u>Lingayat</u>

Dr. S. H. L. Walode
Mrs. H.H. Puranik
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ATTENDANCE OF STUDENTS**

Sr. No.	Name of Student	Year of Study	Sign
101.	Kashmira G. Shaikh	F	
102.	Paras S. Ware	Final	Paras
103.	vishal J. Birajdar	T.Y	Signature
104.	Sumedh L. Pawar	T.Y.	Signature
105.	Shivam Tornekar	T.Y	Signature
106.	Shah Akhram	T.Y	Signature
107.	Mehta Tejas	T.Y	TsJmehta
108.	chetan Bakliwal	T.Y	Signature
109.	Suresh Chaudhary	T.Y	Suresh
110.	Shrawan Parihar	T.Y.	Signature
111.	Shivam. yadav	T.Y	Signature
112.	pramod. choudhary	T.Y	Signature
113.	soethak handge	T.Y	Signature
114.	Pranav MOKashi	T.Y	Pranav.M
115.	Patil Haruhwardhan Kisan	T.Y	Signature
116.	Fathare Ganesh Suryabhan	T.Y	Fathare
117.	Ghule Abhishek Sanjay	T.Y.	Ghule
118.	Bhujbal Duggesh Dattatraya	T.Y.	Signature
119.	Solanki Haren Dalpat	T.Y	Signature
120.	Salvi lokesh	T.Y	Signature

Dr. S. H. Lakade
Mrs. H.H.Puranik
Programme Co-ordinators



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ATTENDANCE OF STUDENTS

Sr. No.	Name of Student	Year of Study	Sign
141.	Pooja Khetaram Choudhary	T.Y. Bpharm	
142.	Pratiksha Bhimrao Patil	TYB Pharm	
143.	Samruddhi Kalyankar	TYB Pharm	
144.	Rajesh Choudhary	T.Y.B Pharm	
145.	Lisha Gundecha	T.Y.B Pharm	
146.	Sakshi Kusliwal	T.Y. Bpharm	
147.	Bhagyashree. Borana.	T.Y. B Pharm	
148.	Jainam J. Sanghvi	T.Y. B. Pharm	
149.	Smita Choudhari	T.Y.B Pharm	
150.	Sakshi N Lunkad	TYB Pharm	
151.	Jayashree R. Javir	Final Year	
152.	Anushka S. Kale	Final Year	
153.	Chaitrali A. Thalte	Final Year	
154.	Kalpesh D. Gandhi	Final year	
155.	Kamlesh S. Choudhary	Final year	
156.	Yash R. Bomb	Final year	
157.	Kushal S. Chhajed	Final year	
158.	Kaustubh Nanekar	Final Year	
159.	Anuj Bafna	Final Year	
160.	Vijaybh Shah	Final Year	

Dr. S. H. Lalkade
Mrs. H.H. Puranik
Programme Co-ordinators



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ATTENDANCE OF STUDENTS

Sr. No.	Name of Student	Year of Study	Sign
121.	Rohan Rajesh Kaswa 43	F.Y. B.Pharm	
122.	Yasham Nareet Mumbet 41	S.Y. B.Pharm	Yasham
123.	Nupur Nitin Barbare 42	S.Y. B-Pharm	NB
124.	Sudashan J. Majage 40	S.Y. B. Pharm	S.
125.	Pratik Suresh Madkar 39	S.Y. B. Pharm	Pratik
126.	Shivani Balasaheb Madke 38	S.Y. B. Pharm	Shivani
127.	Umaavat Ronak Rajendra	S.Y. B. Pharm	Umaavat
128.	Janhavi Dnyaneshwar Kusekar	S.Y. B. Pharm	Janhavi
129.	Katariya Pranjal Manoj	S.Y. B. Pharm	Pranjal
130.	Prachi Kishor Gugale	Final Year	Prachi
131.	Soni Neha Santosh	T.Y. B Pharm	Soni
132.	Surve Sneha Vikas	TY B Pharm	Surve
133.	Pratyoti Rahul Waje	TY B Pharm	Pratyoti
134.	Shruti Vitthal Jagdale	TY B Pharm	Shruti
135.	Sakshi Rajendra Khivansing	T.Y. B Pharm	Sakshi
136.	Disha Agarwal	T.Y. B. Pharm	Disha
137.	Sanika Mohan Chavan	T.Y B Pharm	Sanika
138.	Vaishnavi Govind Tirtha	T.Y B Pharm	Vaishnavi
139.	Diya Satish Chougule	T.Y B Pharm	Diya
140.	Akshata Ankush Raskar.	T.Y. B. Pharm	Akshata

Dr. S. H. Lakade
Mrs. H.H.Puranik
Programme Co-ordinators



Dr. S. G. Walode

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ATTENDANCE OF STUDENTS

Sr. No.	Name of Student	Year of Study	Sign
161.	Krushikem Gadiya	III rd	
162.	Rohan Habale	3 rd	
163.	Bhushan Pinyarkar	III rd	
164.	Jay Nahar	3 rd	
165.	Kate Pritam	3 rd	

Dr. S. H. Lakade

Mrs. H.H. Puranik
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Shri Jain Vidya Prasarak Mandal's
Rasiklal M. Dhariwal Institute of Pharmaceutical Education and Research
 Chinchwad, Pune 411019

Celebrating
WORLD ENTREPRENEURS DAY
 21 AUGUST 2022

Webinar on
SUCCESS STORY: SYSTEM AND FUNDING

Organized by
 RMDIPER's Institution's Innovation Council (IIC)
 & Entrepreneurship Development and
 Incubation Cell under the aegis of IQAC



EXPERT SESSION

Day & Date: Thursday, 25th August 2022 Time: 4.00 PM - 5.00 PM



Mr. Sagar Vijay Agrawal

- * Chairman and Managing Director at Trade Magic Educare Pvt. Ltd
- * Founder & CEO of AlgoMagic Pvt Ltd.
- * Director at Sewah education hub Pvt. Ltd
- * Co- owner at Café Xpress



Link to join : <https://us02web.zoom.us/meeting/register/tZUuf-itqzkaH9Mmj1CJDk4rIXy94sHE4h1g>

Meeting ID - 813 8155 2057, Pass code - MONEY

Link for Registration: <https://forms.gle/qKucNfX7XC2Thffd7>

Hon. Prakashchandji R. Dhariwal
President

Hon. Shantilalji R. Lunkad
Chairman

Hon. Adv. Rajendrakumarji S. Mutha
Secretary

Co-ordinator
 Ms. R. C. Kolhe

Convenor, IIC
 Ms. P. N. Chhajed

Vice-President, IIC
 Dr. S. H. Lakade

Principal & President, IIC
 Dr. S. G. Walode



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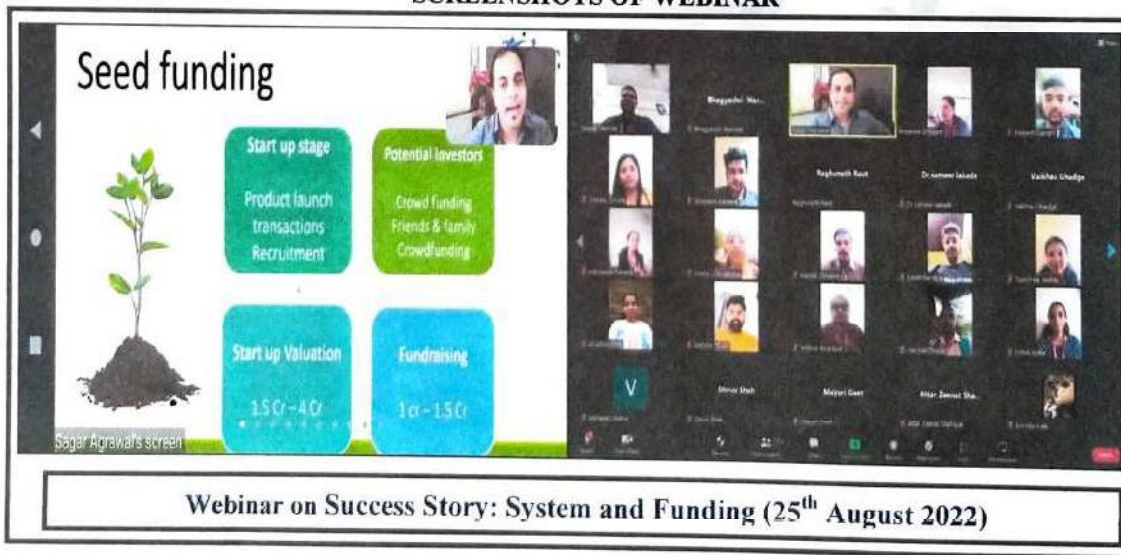


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SUCCESS STORY: SYSTEM AND FUNDING

Resource person	Mr. Sagar Agrawal, Chairman and Managing Director at Trade Magic Educare Pvt. Ltd
Day & Date	25 th August 2022, Thursday
Time	4.00 pm to 5.00 pm
Venue	Online through Zoom https://us02web.zoom.us/meeting/register/tZUuf-itqzkqH9Mmj1CJDk4rIXy94sHE4h1g Meeting ID - 813 8155 2057, Passcode - MONEY
Description	World Entrepreneur Day is celebrated to create awareness among the budding entrepreneurs about innovation and leadership. On this occasion the webinar was organized by RMDIPER's Institution's Innovation Council (IIC) & Entrepreneurship Development and Incubation Cell (EIC) Under the aegis of IQAC. At the outset Mr. Sagar Agrawal has explained the entrepreneurship as recognizing change, pursuing opportunity, taking on risk and responsibility, innovating, making better use of resources, creating new value that is meaningful to customers. The excellent coverage to plan wisely in terms of budgeting and considering risks by creating a realistic business plan was given.
Participants	Faculty: 20, Students: 98, Other: 4
Outcome	Development of awareness about commercial opportunities, self-esteem, knowledge and skills to act on them.

SCREENSHOTS OF WEBINAR



Rhini
Ms. R.C. Kolhe
 Co-ordinator



S.G. Walode
Dr. S.G. Walode
 President, IIC
PRINCIPAL

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