



DR. VITHALRAO VIKHE PATIL FOUNDATION'S
COLLEGE OF PHARMACY,
VILAD GHAT, PO. MIDC, AHMEDNAGAR (MS)
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Accredited by NAAC with Grade "B" (CGPA 2.72)
Permanently Affiliated to Savitribai Phule Pune University,
Pune.
Approved by AICTE, PCI, New Delhi & Recognized by
UGC, New Delhi



Recognition and Awards (2015-16)

Research widening activities have been greatly benefiting the college. The faculty members and students are working on the novel research projects and various innovative ideas. Net fruitful outcome of this activity is research grant worth of 79.92 lacs for various ongoing research projects in college.

- The College has purchased most of the required instruments to execute various research projects. It has designed a well-equipped sophisticated instrument laboratory, pilot plant with various instruments used for formulation and development.
- M. Pharm. thesis of our post graduate student Mr. Pawa Karan (M. Pharm. Pharmaceutical Chemistry) was awarded best thesis at national level in R. V. Patel innovative thesis competition, Ahmedabad (2015-16)
- Mr. Ganesh Barkade (Final Year B. Pharm.) was awarded the prize for best scientific poster by MET Bhubjal Knowledge City, Nashik (2015-16)
- Mr. Yuraj Autade (Final Year B. Pharm.) received first prize at state level paper presentation competition organized by HSBPVT's Parikarama College of pharmacy, Kashti (2015-16)
- Research Project of Mr. Yuraj Autade and Mr. Darkunde Sachin (Final Year B. Pharm.) was shortlisted for Avishkar University level competition (2015-16)
- Research Project of Mr. Ajit Chanale and Mr. Mishra Rohit was shortlisted for Avishkar University level competition (2015-16)
- Research Project of Mr. Dhaygude Chandrashekar and Mr. Fartade Sachin was shortlisted for Avishkar University level competition (2015-16)

- Research Project of Mr. Danave Shailesh and Mr. Sherkar Abhijit was shortlisted for Avishkar University level competition (2015-16)
- Research Project of Ms. Shukla Komal and Ms. Makasare Hitakshi was shortlisted for Avishkar University level competition (2015-16)
- Till date a total of 311 research articles and 04 books have published by the faculty in various national and international journals. Prof. Dr. R. L. Sawant has recently filed a patent application. The faculty members are constantly encouraged to present their research work in national and international conferences and publish in high quality research journals.

Recognition and Awards (2016-17)

- Conducted Savitribai Phule Pune University sponsored one day State level Seminar on “Recent Trends in Pharma Industry” on 15th Oct. 2016.
- Conducted Syllabus Framing Workshop (BOS Pharmacology) Savitribai Phule Pune University Pune, for Third Year and Final Year Pharmacology on 28th Dec 2016.
- One week special coaching for GPAT appearing students was conducted by internal as well as external faculty.
- Prof. A.W. Ambekar received a research grant of Rs. 70000/- from BCUD, Savitribai Phule Pune University.
- Research widening activities have been greatly benefiting the college. The faculty members and students are working on the novel research projects and various innovative ideas. Net fruitful outcome of this activity is research grant worth of 87.32 lacs for various ongoing and completed research projects in college.
- Prof. Dr. R.L. Sawant has recently applied to ICMR, New Delhi for research grant of Rs 38.85 lacs for his research project.
- M. Pharm. thesis of our post graduate student Rishikesh Deshpande (M. Pharm. Pharmaceutical Chemistry) was short listed in top five at national level in R. V. Patel innovative thesis competition, Ahmedabad (2016-17)
- Mr. Musle Sumit and Harishchandre Mahesh (Second Year B. Pharm.) was awarded the second prize for best scientific poster in Savatribai Phule Pune University sponsored two days state level poster presentation competition organized by Abhasaheb Kakde College of pharmacy, Bodhegaon on 23rd and 24th January 2017.

- Mr. Pathare Girish and Bairagi Ghansham (Second Year B. Pharm.) was awarded the second prize for best scientific poster in Savatribai Phule Pune University sponsored two days state level poster presentation competition organized by Abhasaheb Kakde College of pharmacy, Bodhegaon on 23rd and 24th January 2017
- Mr. Pathare Girish and Bairagi Ghansham Mahesh (Second Year B. Pharm.) was awarded the second prize for best scientific poster in BCUD, Savatribai Phule Pune University sponsored two days national level poster presentation competition organized by Pravara Rural College of Pharmacy, Pravaranagar on 09th and 10th February 2017
- Mr. Bihani Tanay and BuraAbhishek (Third Year B. Pharm) was awarded the third prize for best scientific poster in poster presentation competition organized by Amruthvahini College of Pharmacy, Sangamner.
- Research Project of Mr. Adsul Pravin (T.Y. B. Pharm) and Mr. Bise Omkar (Second Year B. Pharm.) was shortlisted for Avishkar University level competition (2016 -17)
- Research Project of Mr. Kanifnath Mohalkar and Ms. Shukla Komal (Second Year M. Pharm) shortlisted for Avishkar at University level competition (2016-17)
- Research Project of Mr. Ganesh Barkade and Ms. Makasare Hitekashi was shortlisted for Avishkar at University level competition (2016-17)

Recognition and Awards (2017-18)

Research widening activities have been greatly benefiting the college. The faculty members and students are working on the novel research projects and various innovative ideas. Net fruitful outcome of this activity is research grant worth of 79.92 lacs for various ongoing research projects in college from various funding agencies.

- Mr. Musale S.K. and Harishchandre M.S. (Third Year B. Pharm.) received second prize at state level paper presentation competition on “Current Scenario in Diabetes Mellitus in India” organized by Abasaheb Kakade college of pharmacy, Bodhegaon (2017-18)
- Mr. Musale S.K. and Harishchandre M.S. (Third Year B. Pharm.) received second prize at state level paper presentation competition on “Recent Advances in Therapeutic Equivalence, Evaluation & Drug Approval Process In India.” organized by HSBPVT’s Parikarama college of pharmacy, Kashti (2017-18)

- Ms. Rohini Jamdade qualified in Maharashtra State Level-ANA Scholarship examination in Pharmaceutical Sciences dated Feb-2017.
- Mr. Gaurav Lodha (First Year M.Pharm.) was awarded with Runner prize in Research scientific poster presentation competition organized by HSBPVT's Parikarama College of pharmacy, Kashti (2017-18)
- 13 Students from our college were participated in Inter-collegiate competition "Spandan Mix" held at IBMRD, Vilad Ghat, Ahmednagar dated 15th Feb-2018. Ms. Pranjali Agre received 1st Prize in 1 minute game. Mr. Krushna Nagargoje received 2nd Prize in 1 minute game.
- Mr. Musale S.K., Mr. Nagargoje Krishna and Harishchandre M.S. (Third Year B. Pharm.) received first prize at state level paper presentation competition on "Intellectual Property Right : New Edge Challenges " organized by MES's COP, Sonai (2017-18)
- Mr. Gadhave Rajat, Mr. Pandit Sunil, Mr. Prashant Solanke and Mr. Adsul Pravin (Third Year B. Pharm.) received second prize at state level paper presentation competition on "Intellectual Property Right : New Edge Challenges " organized by MES's COP, Sonai (2017-18)
- Research Project of Ms. Perane Kartiki and Ms. Pawar Sonali (First Year M. Pharm.) was selected for University Level Avishkar competition (2017-18).
- Research Project of Ms. Perane Kartiki and Ms. Pawar Sonali (First Year M. Pharm.) was shortlisted for State Level Avishkar competition at University Level (2017-18).
- Research Project of Mr. Gaurav Lodha and Mr. Amit Chavan were shortlisted for Avishkar University level competition (2017-18).
- Research Project of Mr. Adsul Pravin and Mr. Bhise Omkar were shortlisted for Avishkar University level competition (2017-18).
- Research Project of Mr. Tanay Bihani and Mr. Tandel Priyank were shortlisted for Avishkar University level competition (2017-18).
- Total 333 research articles and 09 books have been published by the faculty in various national and international journals. The faculty members are constantly encouraged to present their research work in national and international conferences and publish in high quality research journals.

Recognition and Awards (2018-19)

□ Inclination towards research activities have been greatly benefiting the college. The staff members and students are working on the novel research projects and various innovative ideas. Net fruitful outcome of this activity is research grant worth of Rs.1.0957 Cr for various ongoing research projects in college from various funding agencies.

□ Institute has made available most of the required instruments to carry-out various research projects. It has designed a well-equipped sophisticated instrument laboratory, machine room (pilot plant) with various instruments used for formulation and development.

□ Prof. Dr. R. L. Sawant, Vice Principal & Professor, Dr. Vithalrao Vikhe Patil Foundation's College of Pharmacy, Ahmednagar received "Best Researcher" award from *Expo TV EET-CRS* in 8th Science and Technology Awards 2019. He also received prestigious Dr. APJ Abdul Kalam Award for Scientific Excellence-2018.

□ Prof. Dr. R. L. Sawant, received research project grant worth Rs.38.85 lacs for his research project under Extra-mural Research Project of ICMR, New Delhi. (2018-2021)

□ Ms. Kambale K.R. has presented her research work in the area Medicine and Pharmacy UG category in the Avishkar-2018 organized by Gondwana University, Gadchiroli (15 to 18, 2019).

□ Mr. Jadhav V.A., Ms. Mate R.P., Ms. Kadam T.V., Ms. Kambale K.R., Ms. SingarA.S. & Ms. Joshi K.D. presented their research work at "Avishkar -2018" University Level Research Project Competition held at SPPU, Pune. (2018-19).

□ Ms. Mate R. P. participated at "ICRATMMPP-2019" and presented research work entitled "Development and Evaluation of an Oral Gel Using Flower Extract for the Treatment of Recurring Mouth Ulcer." (2018-19).

□ Mr. Jadhav V.A. participated in two days national level seminar at PRES's COP, Pravaranagar." (8th & 9th Feb 2019).

Recognition and Awards (2019-20)

□ Mr. Dnyandev Jadhav and Mr. Sumit Musale presented their research work at "Avishkar -2020" University Level Research Project Competition held at SPPU, Pune. (2019-20).

□ Prof. Dr. Ambekar Abdul Wahid presented his research work at "Avishkar -2020" University Level Research Project Competition held at SPPU, Pune. (2019-20).

□ Ms. Garad Prajakta and Ms. Kulkarni Prajakta was awarded with Second Prize for their Research Project in National Conference PHARMEET 2020 held at Mitcon Institute of Management Pune.

□ Ms. Garad Prajakta and Ms. Kulkarni Prajakta was awarded with First Prize at "Pharmakon 2k20" State Level e-Poster competition held at Pravara Rural College of Pharmacy, Pravaranagar, Loni.

□ Mr. Mahesh Garje secured 2nd Prize in National Level e-Poster Presentation competition on “Research to Combat Covid 19” held at Sanjivani College of Pharmaceutical Education and Research.



Ms. Garad Prajakta and Ms. Kulkarni Prajakta was awarded with Second Prize for their Research Project in National Conference PHARMEET 2020 held at Mitcon Institute of Management Pune.



Ms. Garad Prajakta and Ms. Kulkarni Prajakta was awarded with First Prize at “Pharmakon 2k20” State Level e-Poster competition held at Pravara Rural College of Pharmacy, Pravaranagar, Loni.



Prof. Dr. R. L. Sawant prestigious “Best Teacher Award” by Savitribai Phule Pune University, Pune.



Mr. Sachin Fartade was confer with Best Researcher of the year Award by YIN Sakal Media Group in 2018.



Dr. Ambekar Abdul Wahid receiving Proud Supporter award by Young Inspirators Network, by Sakal Media Group; India in 2018.

Evaluation and Optimization of Anthraquinone Jelly Formulation From Aloe Vera
Category: PG, Level

Introduction:

Figure No. 1:

Method: Anthraquinone jelly formulation was prepared by Heating method.

Table No. 1: Formulation of oral medicated jelly:

Ingredient	F1	F2	F3	F4	F5	F6
Anthraquinone	100	100	100	100	100	100
Chitosan	1	1.5	2	2.5	3	3.5
Chitosan	1	1	1	1	1	1
Sodium benzoate	0.01	0.01	0.01	0.01	0.01	0.01
Sugar syrup	80	80	80	80	80	80
Methyl paraben	3	3	3	3	3	3
Propylene glycol	3	3	3	3	3	3
Distilled water	100	100	100	100	100	100

Table No. 2: Physical appearance of AQ Jelly

Test	F1	F2	F3	F4	F5	F6
Clarity	Turbid	Turbid	Turbid	Turbid	Turbid	Turbid
Color	Smooth	Smooth	Smooth	Smooth	Smooth	Smooth
Taste	Sweet	Sweet	Sweet	Sweet	Sweet	Sweet
PH	7.4	7.4	7.4	7.4	7.4	7.4

Table No. 3: In-vitro drug release of AQ jelly

Time (min)	F1	F2	F3	F4	F5	F6
0	0	0	0	0	0	0
15	41.872	48.422	54.321	79.382	48.784	68.482
30	70.082	82.372	91.122	89.881	78.262	42.261
45	84.943	84.643	94.212	91.361	73.241	42.761
60	82.943	79.343	77.362	76.782	74.762	54.361
80	72.462	78.543	88.864	97.582	97.521	73.262

Table No. 4: Percent drug release (%)

Test	F1	F2	F3	F4	F5	F6
Drug content	99.25	92.39	96.22	97.52	92.54	84.26

Figure No. 3: 3% Drug release in various formulations

Figure No. 2: AQ Jelly

CONCLUSION: The study concludes that the developed formulation (F4) is optimized for drug release and physical appearance.

Pune, Maharashtra, India
 Longitude: 73.8259° E, Latitude: 18.5579° N
 Tuesday, 21, Jan, 2020, 12:31 PM, 27° C

Mr. Dnyandeve Jadhav and Mr. Sumit Musale presented their research work at "Avishkar -2020" University Level Research Project Competition held at SPPU, Pune.