

# Bharati Vidyapeeth College of Pharmacy, Kolhapur

Near Chitranagari, Kolhapur-416013, Maharashtra, India.

Website: <http://copkolhapur.bharatividvapeeth.edu>

## Criterion 3

### Research, Innovations and Extension

Key Indicator 3.2	Innovation Ecosystem
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	<p><b>3.2.1 Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident</b></p>
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## 3.2- Innovation Ecosystem



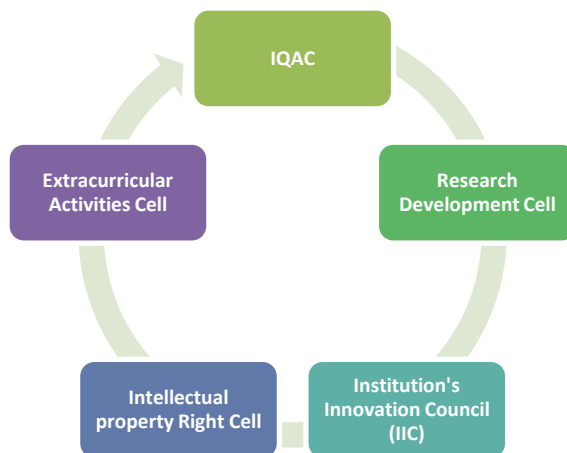
### Documents Uploaded

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### **3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge**

Bharati Vidyapeeth College of Pharmacy, Kolhapur, has successfully cultivated an innovation-centric ecosystem, establishing a fertile ground for the inception and dissemination of knowledge. Our institution is dedicated to facilitating the creation and seamless transfer of valuable insights and breakthroughs. With a robust framework in place, we are committed to nurturing a culture of innovation that not only fuels the continuous growth of our institution but also fosters knowledge exchange for the benefit of society and beyond. Bharati Vidyapeeth College of Pharmacy, Kolhapur, is committed to equipping students with the essential skills needed to thrive as entrepreneurs in the ever-evolving start-up landscape of the pharmaceutical sector. To achieve this, our institution organizes regular training sessions focused on honing communication skills and personality development. These initiatives are spearheaded by our Training and Placement unit, designed to empower students with the ability to effectively express themselves. Our dedication to promoting excellence extends to keeping students and industry professionals up-to-date with the latest advancements and technical expertise within the field. Industry specialists are welcomed to our campus for professional talks that also emphasize the significance of intellectual property rights (IPR). Our students, both at the undergraduate and postgraduate levels, have showcased their research capabilities by publishing papers in esteemed journals. Additionally, they have demonstrated their commitment to innovation by securing patents. A comprehensive list of these publications and patents is available for reference. Our esteemed faculty members have contributed significantly to the academic and scientific communities by publishing their research in journals, presenting their findings at conferences, and securing patents recognized by the Patent Office of India. Their efforts have resulted in patents being granted at both national and international levels, adding to the institution's portfolio of intellectual property. Research is at the heart of our institution, and we actively foster a culture of inquiry. Through our self-sponsored internal research initiatives for undergraduate students, more than 300 individuals have been engaged in projects aligned with current industry needs over the past five years. To oversee and encourage research activities, we have established a

"Research Development Cell" (R & D Cell), consisting of senior members from various pharmaceutical science disciplines and led by the principal. The R&D Cell serves as a catalyst for student involvement in a variety of research competitions, including debates, model-making, quizzes, and oral and poster presentations. Many of our students have earned recognition and accolades at district, state, national, and international conferences, including the Avishkar (Innovation) convention during the academic years 2018 to 2023. Our college actively identifies and supports the best research work for participation and representation in various national and international competitions. Students are encouraged to showcase their research through platforms such as National Pharmacy Week and related competitions. Our institution is fully equipped to support innovation and entrepreneurship by providing the necessary resources to establish an incubation center. The Central Facility Centre houses sophisticated equipment, including UV-Spectrophotometers, FT-IR spectrophotometers, High-performance Liquid Chromatography PDA, Gel Permeation Chromatography, Biopac Systems, Microfluidizers, and more. In addition, we regularly host guest lectures on entrepreneurship and starting start-ups, aimed at nurturing students' innovative skills. Our R&D Cell collaborates effectively with the IPR and Innovation Cell to provide comprehensive support to our students, ensuring they have the guidance and resources they need to excel in their endeavors.



## Organization Chart for Research and Innovation Initiatives

### 3.2.1.1 Research Development Cell

Committee Details	Members	Department	Designation
RAC	Dr. H. N. More	Research Advisory Board	Chairperson
RDC	Dr. M. S. Bhatia	Research Development Committee	Director
Committee No1	Dr. F. A. Tamboli	Financial and Infrastructures	Coordinator
	Mr. R. J. Jarag		Member
Committee No2	Dr. D. A. Bhagwat	Research Program Policy Development	Coordinator
	Dr. Mrs. S. A. Arvindekar		Member
Committee No3	Dr. P. B. Choudhari	Collaboration and Community	Coordinator
	Mr. U. S. Patil		Member
Committee No4	Dr. D. T. Gaikwad	Product Development Monitoring and Commercialization	Coordinator
	Dr. A. J. Shinde		Member
Committee No5	Dr. Mrs. N. M. Bhatia	IPR, Legal and Ethical Matters	Coordinator
	Ms. R. D. Chougule		Member
	Mr. S. G. Lokapure		Member

### 3.2.1.2 Innovation Council (IIC) and Incubation Center:

Our college has active IIC since 2020-21 that is inculcating innovative research ideas in students by organizing various activities like seminars, workshops, conferences, etc. College also have Shivaji University approved Incubation Center.



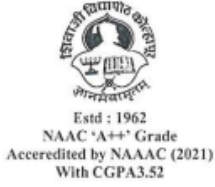
**Certificate of Establishment of IIC**

### 3.2.1.2.1 Innovation, Incubation and Start-Up Committee 2023-24

Name of Member	Affiliation	ISP ROLE
Dr. Harinath. N. more	Principal	President ISP
Dr. Manish S. Bhatia	Vice- Principal	Convenor
Dr. Prafulla B. Choudhari	Associate Professor	President IIC
Mr. Dilip G. Gune	MD. Nityam Dipakam Pharmaceuticals PVT. Ltd	Entrepreneur
Ms. Komal Madhu	Ripcord Pharmaceuticals Pvt. Ltd.	Entrepreneur
Mr. Sachin G. Lokapure	SAGLO Research Pvt Ltd	Entrepreneur
Dr. Sanjay P. Boldhane	Associate Vice President Microadvanced Research Lab Bangalore	Special Invitee/ Member
Dr. Dinanath. T. Gaikwad	Assistant Professor	Innovation Activity Coordinator
Dr. Anilkumar Shinde	Associate Professor	Member Innovation Activity
Dr. Durgacharan A. Bhagwat	Associate Professor	Start-Up activity Coordinator
Dr. Mrs Snehal A. Arvindekar	Assistant Professor	Member Start-Up activity
Mr. Udaykumar S. Patil	Assistant Professor	Internship and Social Media activity Coordinator
Dr. Mrs Neela M. Bhatia	Professor	IPR Activity Coordinator
Ms. Rutuja D. Chougule	Assistant Professor	Member IPR Activity
Mr. Ravindra J. Jarag	Associate Professor	Head Finance and NIRF Coordinator
Dr. Firoj A. Tamboli	Associate Professor	Member Finance



## 3.2.1.2.2 Incubation Centre Approval by Shivaji University



SHIVAJI UNIVERSITY, KOLHAPUR - 416 004 MAHARASHTRA

PHONE: EPBX - 2609000 FAX:0091-0231-2691533 & 0091-0231-692333

DLL 0231-2609091, 2609135 Website : [www.unishivaji.ac.in](http://www.unishivaji.ac.in) E-mail : [affiliation.t2@unishivaji.ac.in](mailto:affiliation.t2@unishivaji.ac.in)

Website Conduit : (1)Affiliation →Affiliation T2 Circulars (2) Affiliation →Affiliation T2 Information Lists

शिवाजी विद्यापीठ, कोल्हापूर - ४१६ ००४ महाराष्ट्र

दूरध्वनी ईपीबीएक्स-२६०९०००, फॅक्स ००९१ ०२३१ २६९१५३३ व ००९१ ०२३१ ६९२३३३

संलग्नता टी-२ विभाग थेट दूरध्वनी क्र. ०२३१-२६०९०९१, २६०९१३५

संदर्भ क्र./शिवाजी वि/संलग्नता/टी-२

No 873

दि.

09 AUG 2023

प्रति,

मा. प्राचार्य,

भारती विद्यापीठाचे कॉलेज ऑफ

फार्मसी मोरेवाडी, जि.कोल्हापूर

विषय - आपल्या महाविद्यालयाच्या Incubation Center करीता विद्यापीठाची मान्यता देण्याबाबत.

संदर्भ - १. आपले जा.क्र. BV/COPK/79/2022-213, Date.17/05/2022 रोजीचे पत्र.

२) या कार्यालयाचे जा.क्र/संलग्नता /टी-२/४६६/२०२३-२४, दि.२४/०४/२०२३ रोजीचे पत्र.

महोदय,

आपला संदर्भ BV/COPK/79/2022-213, Date.17/05/2022 रोजीच्या पत्राने Incubation centre

"Novel Formulation Development." (Common Facility Center) नवीन सेंटर सुरु करण्यासाठी प्रस्ताव सादर केला असून त्यास विद्यापीठ अधिकार मंडळाने (Common Facility Centre) या संकल्पनेवर आधारित स्वनिधीतून सेंटर सुरु करण्यास मान्यता देण्यात आलेली असून तसे प्रमाणीत करून देण्यात येत आहे.

तसेच पत्र मिळाले दिनांकापासून दर तीन वर्षांनी Incubation Center चा मुदतवाढीचा प्रस्ताव सर्वकष अहवालासह विद्यापीठास सादर करावा, हि विनंती.

कळावे,

आपला विश्वास,



(श्री. विलास एस.सोयम)

उपकुलसचिव

संलग्नता टि-२ विभाग



To,  
The Principal,  
Bharati Vidyapeeth College of Pharmacy,  
Morewadi, Dist. Kolhapur.

Subject: Permission grant of Incubation Centre in college by the University

Reference:

1. Letter BV/COPK/79/2022-213, Dated.17/05/2022.
2. Letter Outward. No / Affi/ T-2/466/2023-24 Dated 24-04-2023

Dear, With reference to your letter BV/COPK/79/2022-213, Dated.17/05/2022 received regarding the Proposal of an “Incubation Center namely “Novel Formulation Development” (Common Facility Centre). The University authority committee (Common Facility Centre) has given the approval to start an Incubation Center with self-finance bases. Also, request you to apply to increase the validity of the centre every three years with an overall progress report.

Thank You.,

Your faithfully,

(Shri. Vikas S. Soyam)

Deputy Registrar

Affiliation T-2 Department

### 3.2.1.2.3 Innovation and Start-Up Policy 2023

**Vision :** To promote the development of an entrepreneur ecosystem and innovation culture for healthcare Start-ups.

**Mission** To nurture, support, and cultivate a student-driven start-up ecosystem resulting in innovation and entrepreneurship-driven employment and economic growth.

#### Short Term Goals

- Development of a pre-incubation center for mentoring faculty and young innovators.
- Collaboration with the Incubation centers.
- Collaborate with institutions/organizations, and individuals promoting entrepreneurship and bring out budding entrepreneurs from the institute and Organization of programs for skill development and capacity building.

#### Long Term Goals

- Development of an Incubation center to act as a platform for young innovators and faculty members with entrepreneurship potential
- To encourage students to address daily life bottleneck issues with realistic and innovative ideas.

#### Policy Thrust areas

- Strategic Planning and governance for the promotion of innovations and entrepreneurship at the institute level.
- Development of a vibrant innovation ecosystem.
- Start-up/entrepreneurship supporting initiatives via the development of a pre-incubation center.

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- Encouraging Collaboration with institutions/organizations, individuals promoting entrepreneurship
- Prepare institute for Atal ranking of institutions on innovation achievements framework (ARIIA).
- Develop better cognitive abilities amongst students.

## Policy Features

- Spreading awareness among students, faculty, and staff about the value of entrepreneurship and its role in career development or employability.
- Establishment of pre-incubation and incubation centers.
- Exposure of maximum students and faculty members to innovation and pre-incubation activities at their early stage and to support the pathway from ideation to innovation to market, mechanisms will be devised at the College level
- Incentivizing faculty and students for engagement in Innovation and entrepreneurship activities via financial aid, and academic credits with consultation with the parent organization.
- Financial management via ignition of CSR activities, ALUMINI activities, government organization, private organization, etc.
- Faculty and departments of the institute will work in coherence and cross-departmental linkages will be strengthened through shared faculty, cross-faculty teaching, and research to gain maximum utilization of internal resources and knowledge.
- Motivating and supporting students and faculty members for participation in grand challenges, ideation challenges, and hackathons.
- Explore Public partner relationship (PPP) mode in partnership with government, industry, and hospitals.

### 3.2.1.2.4 Reports of Activities Conducted

#### 3.2.1.2.4 .1 Online workshop on entrepreneurship and innovation in pharmaceutical research

Institution's Innovation Council, Bharati Vidyapeeth College of Pharmacy, Kolhapur organized an online workshop on "Entrepreneurship and Innovation in Pharmaceutical Research" to celebrate the Institute Innovation Day to mark the birth anniversary of Dr. APJ. Abdul Kalam (Ex-President Republic of India). Dr. Sachin Salunke, Manager, Business Development, DKSH Pvt. Ltd was invited as a Resource person to grace the event. Dr. Manish Bhatia (Vice Principal and convener IIC), Dr. Prafulla Choudhari (President IIC), Mr. Vishal Throat (Coordinator), and all faculty members and students were present for the workshop.

The workshop was inaugurated by Dr. Manish Bhatia (Vice Principal and convener IIC) and Dr. Sachin Salunke, Manager of Business Development, DKSH Pvt. Ltd in the presence of all the participants and faculty members. In the inaugural speech, Dr. Manish Bhatia emphasized the importance of Innovations in the pharmacy field and their importance in nation-building. Dr. Manish Bhatia also discussed the contribution of the students to the institution's Innovation Council initiatives for the overall development of the students. Ministry of Education emphasized the celebration of the Institute Innovation Day to mark the birth anniversary of Dr. APJ. Abdul Kalam Sir, a small video clip of Dr. APJ. Abdul Kalam Sir's contribution to the development of the nation has been shown to the students about his contributions. In his presidential speech Dr. Sachin Salunke, Manager, Business Development, DKSH Pvt. Ltd has elaborated on the current trends in pharmaceutical research and the role of the academic institutions in the Innovations.

Dr. Salunke also exhaustively discussed the role of the Indian Pharmaceutical Industry in the development of India as a World Pharmacy. He also explained about the Government of India's initiatives to make the Indian Pharmaceutical Industry self-reliant in the coming decade. Dr. Salunke also hailed the efforts of Dr. Prafulla Choudhari (President IIC), Mr. Vishal Throat (Coordinator), and the IIC team to have a workshop like this. All the participants have been keenly participated in the workshop and engaged in the excellent interactive session. After the

knowledgeable session, the workshop was concluded and Miss Rutuja Chougale proposed the vote of thanks and the workshop was concluded.



### 3.2.1.2.4.2 Skill Development Workshop on Computational Drug Discovery and Development

Pharmaceutical Chemistry Department of Bharati Vidyapeeth, College of Pharmacy, Kolhapur (Maharashtra), in collaboration with Advent Informatics Pvt. Ltd, Pune, had organized ‘Skill Development Workshop on Computational Drug Discovery and Development’ for M. Pharm students, research scholars & faculty on Wednesday, 2nd August, 2023. The inaugural function started with inaugural address by Principal, Dr. H. N. More. The brief introduction of the workshop addressed by convener of the workshop Dr. M. S. Bhatia, Vice-Principal (Academics) and Head, Pharmaceutical Chemistry Department. Resource Person of first session, Dr. Mohsin Khan Pathan, (Junior application Scientist, Advent Informatics Pvt. Ltd., Pune) was felicitated by Principal, Dr. H. N. More and guest Mr. Amit Bedi (Sales Executive, Advent Informatics Pvt. Ltd., Pune) was felicitated by Dr. M. S. Bhatia, Vice-principal- Academics. The resource person of second session, Dr. P. B. Choudhari (Associate Professor, Bharati Vidyapeeth College of Pharmacy, Kolhapur) was introduced by Ms. Rutika Patil. This Skill Development Workshop was co-ordinated by Dr. Mrs. S. A. Arvindekar (Assistant Professor of Pharmaceutical Chemistry) as Co-ordinator. Principal, Dr. Harinath N. More, Vice- Principal (Academics) Dr. M.S. Bhatia, Vice-Principal (Admin.) Dr. Namdeo R. Jadhav, and all the faculty members, supporting staff members and students were present on the occasion

Dr. Mohsin Khan Pathan discussed about Molsoft’s ICM software demonstration which includes,

1. ICM-Pro homology modelling
2. ICM-Pro desktop modelling for protein-ligand & protein-protein docking.
3. ICM-Pro virtual ligand screening for batch docking including fragment, structure based & ligand-based docking.
4. ICM-Chemist-Pro for calculating ADME properties, QSAR studies

Dr. P. B. Choudhari discussed about Autodock/Pyrx software demonstration which includes,

1. Basics of molecular docking
2. Visualization of protein structure



3. Molecular docking using Autodock/Pyrx

4. Visualization of interaction by Biovia Discovery studio.

Staff, research scholars & students actively participated in Question-and-answer session. Concluding remarks and a Vote of thanks of First session was given by Mrs. P. B. Varne and of second session by Ms. Kajal Mohite. Both expressed sincere thanks to Dr. Mohsin Khan Pathan, Mr. Amit Bedi and Dr. P. B. Choudhari for guiding and sharing the valuable information & demonstration on application of MolSoft ICM Software and Autodock/PyRx software respectively.



**Dr. Mohsin Khan Pathan demonstrating Molsoft's ICM software package**



**Dr. P. B. Choudhai discussing about Autodock/PyRx software**



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## 3.2.1.2.4.3 Expert Talk on Spectroscopic Innovations in Pharma Research By Mr. Pratik Limkar Limkar



### 3.2.1.3. Intellectual Property Rights Cell

Name of Member	Affiliation	IPR Cell Role
Dr. Harinath. N. More	Principal	Member
Dr. Manish S. Bhatia	Vice- Principal	President IPR Cell
Dr. Prafulla B. Choudhari	Associate Professor	Vice President IPR Cell
Dr. Mrs Neela M. Bhatia	Professor	IPR Activity Coordinator
Ms. Rutuja D. Chougule	Assistant Professor	Member IPR Activity
Dr. Dinanath. T. Gaikwad	Assistant Professor	Innovation Activity Coordinator
Dr. Durgacharan A. Bhagwat	Associate Professor	Start-Up activity Coordinator
Mr. Ravindra J. Jarag	Associate Professor	Head Finance and NIRF Coordinator

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## 3.2.1.3.1 Patent Details

Sr. No.	Title	Granted/ Published	Name of the Inventor/s	Month & Year
1.	A FA-CS-DS-Nanoparticles Composition And Its Synthesizing Process Thereof	Granted Patent	Dr. M. S. Bhatia	March 2023
2.	A posaconazole nanosuspension composition and its preparation process by solvent-antisolvent precipitation for enhanced oral bioavailability	Published	Dr. M. S. Bhatia Dr. P. B. Choudhari	August 20123
3.	Portable Lyophilizer for Improving Stability of Compounds	Granted	Dr. D. A. Bhagwat	August 2023
4.	Construction of Curcumin-Bael Fruit GumelectrospunNanofibers	Published	Dr. D. T. Gaikwad	May 2022
5.	Analytical Method For Beta-Secretase Estimation From Biological Fluids.	Granted	Dr. M. S. Bhatia Mr. R. P. Dhavle	February 2022
6.	An Empirical System For Risk Assessment Of Mental Illness Disorders Using Neural Network Diagnostic	Granted	Dr. D. A. Bhagwat	February 2022
7.	Virtual Doctor to Detect Patent Heart Beat and Body Temperature Monitoring	Granted No.	Dr. D. A. Bhagwat	February 2022
8.	A Tissue- Based Study For Analysing The Effect Of Drugs Applied Externally	Published	Mrs. S. V. Dharanguttikar	February 2022

9.	A Process For Preparing Stable Sustained Release Topical Composition Of Euphorbia Tithymaloides.	Published	Mrs. S. V. Dharanguttikar	May 2022
10.	Artificial intelligence based approach along with nanoscale for accurate diagnosis and detection of skin cancer using biometric sensors	Published	Dr. F. A. Tamboli	September 2022
11.	Integrating the techniques of computer vision along with Machine learning algorithms to detect the disease of plant based on leaf structure	Published	Dr. F. A. Tamboli	September 2022
12.	Transdermal ethosome composition of lanozoline	Published	Dr.A. A. Hajare	May, 2021
13.	Machine Learning Based Diagnosis of Chronic Kidney Disease In Diabetes Patients	Granted	Dr. D. A. Bhagwat	October, 2021
14.	Artificial Intelligence Based Smart Touch Less Medicine Dispensing System For Pharma Field	Published	Dr. D. A. Bhagwat	August 2021
15.	Water Purifying and Flavor Infusion Devices	Published	Dr. D. A. Bhagwat	August 2021
16.	Machine Learning and Image Processing Based Smart Prediction of Human Emotions and Character	Published	Dr. D. A. Bhagwat	August 2021

17.	Microstrip Patch Antenna Based Detection of Breast Cancer using Microwave Breast Images Mishra	Published	Dr. D. A. Bhagwat	August 2021
18.	Eutectic mixture and process of preparing thereof	Published	Mr. U. S. Patil	May, 2021
19.	Method for determining relationships between the properties of chemical compounds and biological activity	Published	Dr. M. S. Bhatia	November .2020
20.	Lyophilized myeloperoxidase from mammalian heart	Published	Dr. M. S. Bhatia Dr. N. M. Bhatia	July 2019
21.	Myeloperoxidase bioassay kit	Published	Dr. M. S. Bhatia Dr. N. M. Bhatia	July 2019
22.	Predictive computational model for selection of suitable grade of polymer for desired formulation property	Published	Dr. M. S. Bhatia	Oct 2020

## Granted Patents



### Granted South African Patent

**“ A FA-CS-DS-Nanoparticles Composition and Its Synthesizing Process There of”**



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## Granted Indian Patent

“ An Empirical System For Risk Assessment of Mental Illness Disorders Using Neural Network Diagnostic”



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Intellectual  
Property  
Office

## Certificate of Registration for a UK Design

Design number: 6303370

Grant date: 22 August 2023

Registration date: 13 August 2023

### This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Dr. Nidagurthi Guggilla Raghavendra Rao, Dr. Durgacharan Arun Bhagwat, Dr.

Ashutosh Kumar Yadav, Jainey Puthenveetil James, Shweta Singh, Mayuri

Akotiya, Dr. Abhishek Soni, Dr. Senthil Sengodan Periyasamy, Dr. Deenanath

Jhade, Dr. Biresh Kumar Sarkar

in respect of the application of such design to:

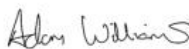
Portable Lyophilizer for Improving Stability of Compounds

International Design Classification:

Version: 14-2023

Class: 24 MEDICAL AND LABORATORY EQUIPMENT

Subclass: 02 MEDICAL INSTRUMENTS, INSTRUMENTS AND TOOLS FOR LABORATORY USE



**Adam Williams**

Comptroller-General of Patents, Designs and Trade Marks

Intellectual Property Office

The attention of the Proprietor(s) is drawn to the important notes overleaf.

Intellectual Property Office is an operating name of the Patent Office

[www.gov.uk/ipo](http://www.gov.uk/ipo)

## Granted Design Patent

“Portable Lyophilizer for Improving Stability of Compounds”

**3.2.1.4. MOUs and Linkages:** To strengthen research and innovation, college has MoUs and Linkages with various national and international Universities, Hospitals, Labs, Academic Institutions, Industries, etc.

**3.2.1.4.1 Summary of the functional MoUs, linkage, collaboration indicating start date, end date, nature of collaboration etc.**

Sr. No	Name of the institution / industry with whom the MoU / linkage is made, with contact details	Start Date	End date	Type of Collaboration
1.	Vasantidevi Institute of Pharmacy Kodoli,	19/06/2023	19/06/2028	Collaborative research , Internship
2.	Aaron Miller, Ph.D. Assistant Staff, Lerner Research Institute, Glickman Urological and Kidney Institute, Cleveland Clinic	17/10/2023	Till termination	Collaborative research activities
3.	OpEx Accelator Private Ltd , Kolhapur	08/01/2022	Till termination	Internship, Student Training
4.	Annasaheb Dange College of Pharmacy Ashta	17/02/2022	Till termination	Collaborative research , Internship
5.	Ayurasia Herbals Pvt. Ltd.,	03/10/2022	03/10/2032	Collaborative research activities
6.	Biocyte Research Institute Sangli	01/01/2022	01/01/2032	Collaborative research activities
7.	Gaurishankar Institute of Pharmaceutical Research Limb	03/01/2022	03/01/2032	Collaborative research activities
8.	Innovax Pharmaceuticals LLP, Kolhapur	05/10/2022	05/10/2032	Internship
9.	New College of Pharmacy, Kolhapur,	02/12/2022	02/12/2032	Collaborative research activities

10.	Om Surgicals, Kolhapur	04/10/2022	04/10/2032	Internship
11.	Sarojini College of Pharmacy, Kolhapur	02/07/2022	02/07/2032	Collaborative research activities
12.	Sarth Ayurveda - Chikitsa, Panchakarma & Wellness Centre, Kalamba	22/02/2022	Till termination	Collaborative research activities
13.	Arvind College of Pharmacy, Jaitapur, Satara	03/01/2022	03/01/2032	Collaborative research activities
14.	Women College of Pharmacy Peth Vadgaon	17/10/2022	17/10/2032	Collaborative research activities
15.	Y. D. Mane Institute of Pharmacy, Kagal,	22/09/2022	22/09/2032	Collaborative research activities
16.	YSPM Technical Campus, Faculty of Pharmacy, Satara	03/01/2022	03/01/2032	Collaborative research activities
17.	Mahalaxmi Academy, Kolhapur	27/09/2022	27/09/2025	Academic activities
18.	Dr. Yasinalli Tamboli, Associate Research Scientist, MRCFP, King Abdullah International Medical Research Center,	20/12/2022	Till termination	Collaborative research activities
19.	Mistair Health And Hygiene Private Limited, Kolhapur ,	29/09/2021	Till termination	Collaborative research , Internship
20.	SG Phyto Pharma Kolhapur, Kolhapur	29/09/2021	Till termination	Collaborative research , Internship
21.	Rubicon Skill Development Pvt. Ltd	08/10/2021	08/10/2024	Internship
22.	Nityam Dipakam Pvt. Ltd. Kolhapur	29/09/2021	Till termination	Internship
23.	Ashokrao Mane College of Pharmacy Peth Vadgaon	21/03/2021	21/03/2024	Collaborative research

24.	Rajarambapu College of Pharmacy Kasegon	24/10/2020	24/10/2030	Collaborative research activities
25.	Anandi College of Pharmacy Kolhapur,	13/07/2020	13/07/2030	Collaborative research activities
26.	Dr. Siddque Akber Ansari, Associate Professor of Medicinal Chemistry, College of Pharmacy, King Saud University,	01/01/2020	Till termination	Collaborative research activities
27.	Satara College of Pharmacy, Satara,	02/05/2019	02/05/2029	Collaborative research activities
28.	Dr. Kisan P Haval, Dr. Babasaheb Ambedkar Marathwada University Sub Centre Osmanabad,	01/01/2019	Till termination	Collaborative research activities
29.	Dr. Mehboobali Pannipara, Department of Chemistry, King Khalid University, Saudi Arabia.	15/10/2019	Till termination	Collaborative research activities
30.	Sidhagairi Hospitals, Kolhapur	30/06/2018	Till termination	Collaborative research , Internship
31.	Aster Aadhar Hospitals, Kolhapur,	25/07/2018	Till termination	Collaborative research , Internship
32.	ANA GPAT Academy , Nashik,	05/07/2018	Till termination	Academic activities
33.	Jivandhara Blood Bank Kolhapur,	09/02/2016	Till termination	Collaborative research , Internship
34.	Mangesh Pathology Lab, Kolhapur,	09/02/2016	Till termination	Collaborative research activities

**3.2.1.5. Research Grants:** College has received grants of more than Rs. 25 Lakhs in last five years and till date about more than Rs. 1 crore for various research projects.

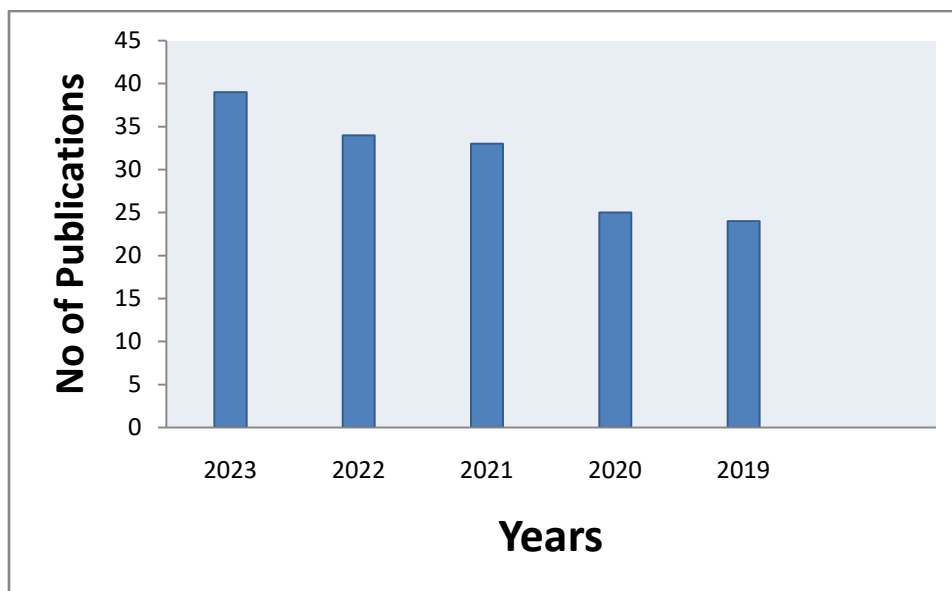
**3.2.1.5.1 Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years**

Sr. No	Name of Project	Amount	Funding Agency
1.	Special Grant In aid For Colleges	250000	Shivaji University, Kolhapur
2.	Lead College Grant	84934	Shivaji University, Kolhapur
3.	Innovation and Incubation in Academia	70000	Shivaji University, Kolhapur
4.	Lead College Grant	121232	Shivaji University, Kolhapur
5.	Nutrigenomics Unveiled- Frontier in Healthcare	93000	AICTE, New Delhi
6.	Pharmaceutical Quality System for product life cycle management	93000	AICTE, New Delhi
7.	Hands on training on cell and tissue culture based bioactivity assessment	328000	AICTE, New Delhi.
8.	Teacher's Training Workshop on new changed syllabus of Pharmacy Practice	5000	Shivaji University, Kolhapur
9.	Teacher's Training Workshop on new changed syllabus of "Instrumental Method of Analysis"	5000	Shivaji University, Kolhapur
10.	Teacher's Training Workshop on new changed syllabus of "Computer aided drug delivery system	5000	Shivaji University, Kolhapur

11.	Teacher's Training Workshop on new changed syllabus of "Audit and regulatory compliance	5000	Shivaji University, Kolhapur
12.	Emerging Trends and Challenges in Techno-stabilization of pharmaceuticals	392425	AICTE, New Delhi
13.	An exploration of Novel Drug Delivery System in Herbal medicine	418333	AICTE, New Delhi
14.	Exploring Pharmacokinetics with Artificial Intelligence and Quantum Computing	93000	AICTE, New Delhi.
15.	Innovative trends in Phytopharmacology	624000	AICTE, New Delhi

### 3.2.1.6. Research Publications:

In last five years, about 155 papers have been published by the faculty members in various National & International Journals with a good impact factor.



**Details of research Publications**

#### 3.2.1.6. .1 Number of research papers published per teacher in the Journals notified on UGC CARE list during the last five years

Sr. No	Title of Paper	Journal Name	Year
1.	Ifosfamide-Loaded Cubosomes: An Approach to Potentiate Cytotoxicity against MDA-MB-231 Breast Cancer Cells	Fabad Journal of Pharmaceutical Sciences	2023
2.	Microwave assisted green synthesis, Single crystal XRD, DFT, Hirshfeld surface analysis, Antibiofilm, Anti-inflammatory	Journal of Molecular Structure	2023



	activity and Molecular docking study of 4-(4-Fluorophenyl)-5-methyl-1,3-thiazole-2-amine		
3.	Oral self- nanoemulsifying drug delivery systems for enhancing bioavailability and anticancer potential of fosfestrol: In vitro and In vivo characterization	European Journal of Pharmaceutics and Biopharmaceutics	2023
4.	Synthesis, Characterization, 'ADMET-SAR' Prediction, DPPH Assay, and Anti-Mycobacterium Study of 4-[(substituted benzyl) amino]benzo hydrazides and its Hydrazones as the Acyl-CoA Carboxylase, AccD5 Inhibitors	Current Computer-Aided Drug Design	2023
5.	Physicochemical Evaluation and Standardization of Traditional Healing Herb Sonchus asper Linn	Research Journal of Pharmacy and Technology	2023
6.	Nanophytosomes Loading Andrographis paniculata Hydroalcoholic Extract: Promising Drug Delivery for Hepatoprotective Efficacy	Journal of Pharmaceutical Innovation	2023
7.	Exploration of limonoids for their broad spectrum antiviral potential via DFT, molecular docking and molecular dynamics simulation approach	Natural Product Research	2023
8.	Design of Multitarget Inhibitors as Tracheal Smooth Muscle Relaxants	Current Protein and Peptide Science	2023
9.	Exploring anticancer potential of nintedanib conjugated magnetic nanoparticles: In-vitro and in-silico studies	Journal of Drug Delivery Science and Technology	2023

10.	In silico evaluation of NO donor heterocyclic vasodilators as SARS-CoV-2 Mpro protein inhibitor	Journal of Biomolecular Structure and Dynamics	2023
11.	Computational Exploration of Anti-cancer Potential of Flavonoids against Cyclin-Dependent Kinase 8: An In Silico Molecular Docking and Dynamic Approach	ACS omega	2023
12.	Design, development, and evaluation of docetaxel-loaded niosomes for the treatment of breast cancer	Future Journal of Pharmaceutical Sciences	2023
13.	Development of Doxazosin mesylate liquisolid system for improved manufacturing processability and bioavailability: <i>in vitro</i> and <i>in vivo</i> evaluation for tailored hypertension treatment approach with modified dissolution rates	Journal of Dispersion Science and Technology	2023
14.	Artificial Intelligence and Tools in Pharmaceuticals: An Overview	Research Journal of Pharmacy and Technology	2023
15.	Study of Robotic Surgeries in India: Economical Aspects and Applications in Cancer Treatment	Research Journal of Pharmacy and Technology	2023
16.	Antipsoriatic activity of hydrogel containing nanostructured lipid carrier (NLC) entrapped with triamcinolone acetonide	International Journal of Applied Pharmaceutics	2023
17.	Exploring biogenic chalcones as DprE1 inhibitors for antitubercular activity via in silico approach	Journal of Molecular Modeling	2023
18.	Exploration of bioactive molecules from <i>Tinospora cordifolia</i> and <i>Actinidia</i>	Natural Product Research	2023

	deliciosa as an immunity modulator via molecular docking and molecular dynamics studies		
19.	Remarkable anti-breast cancer activity and molecular docking studies of ferrocene tethered pyrimidobenzothiazoles and pyrimidobenzimidazoles	Results in Chemistry	2023
20.	Microwave-assisted grafting of acrylamide on a natural xylan gum for controlled drug delivery	Polymer Bulletin	2023
21.	Molecular docking, QSAR, pharmacophore modeling, and dynamics studies of some chromone derivatives for the discovery of anti-breast cancer agents against hormone-dependent breast cancer	Journal of Biomolecular Structure and Dynamics	2023
22.	Fe <sub>3</sub> O <sub>4</sub> @ SiO <sub>2</sub> @ TDI@ DES: A novel magnetically separable catalyst for the synthesis of oxindoles	Journal of Molecular Structure	2023
23.	Evaluation of curcumin-loaded chitosan nanoparticles for wound healing activity	ADMET and DMPK	2023
24.	Identification of potential hits against fungal lysine deacetylase Rpd3 via molecular docking, molecular dynamics simulation, DFT, in-silico ADMET and drug-likeness assessment	Chemistry Africa	2023
25.	Synthesis, biological evaluation, and computational studies of 6-fluoro-3-(piperidin-4-yl)-1, 2-benzisoxazole sulfonamide conjugates	Polycyclic Aromatic Compounds	2023

26.	Exploring $\alpha$ , $\beta$ -unsaturated carbonyl compounds against bacterial efflux pumps via computational approach	Journal of Biomolecular Structure and Dynamics	2023
27.	Identification of potential biogenic chalcones against antibiotic resistant efflux pump (AcrB) via computational study	Journal of Biomolecular Structure and Dynamics	2023
28.	Stimuli-Responsive Design of Metal–Organic Frameworks for Cancer Theranostics: Current Challenges and Future Perspective	ACS biomaterials science & engineering	2023
29.	A Systematic Review on Chemical Actives from Plant Sources, Targets and Chemotherapy for Triple-Negative Breast Cancer	Pharmaceutical Chemistry	2023
30.	Development of amino acid salt-based curcumin@ lysine acetate co-amorphous system using liquid-assisted grinding for improved solubility and dissolution	The Thai Journal of Pharmaceutical Sciences	2023
31.	Single walled Carbon nanotube: Chitosan conjugate for sustained ophthalmic delivery of Ciprofloxacin from ointment; its evaluation and in vivo eye irritation study	Separation Science and Technology	2023
32.	Vacuum foam drying of docetaxel mixed micelles for improved stability and ovarian cancer treatment	Journal of Drug Delivery Science and Technology	2023
33.	Development and validation of RP-HPLC method for quantification of sertraline in nanofiber formulation	Research Journal of Pharmacy and Technology	2023
34.	Preparation, statistical optimization, in-vitro	Research Journal of	2023

	evaluation and characterization of solid lipid nanoparticles of an anti-retroviral drug Nevirapine	Pharmacy and Technology	
35.	Inflammatory Markers in Cord Blood for Early Diagnosis of Neonatal Sepsis	Research Journal of Pharmacy and Technology	2023
36.	Morphological, Histological and Phytochemical Features of <i>Nephrolepis cordifolia</i> (L.) C. Presl	National Academy Science Letters	2023
37.	Harnessing the Power of AI in Pharmacokinetics and Pharmacodynamics: A Comprehensive Review	International Journal of Pharmaceutical Quality Assurance	2023
38.	Magnetic Resonance Imaging in Cerebral Venous Thrombosis	Research Journal of Pharmacy and Technology	2023
39.	Bioactive Natural Products for Breast Cancer Chemoprevention and Treatment	Current Bioactive Compounds	2023
40.	Design and in silico investigation of novel Maraviroc analogues as dual inhibition of CCR-5/SARS-CoV-2 Mpro	Journal of Biomolecular Structure and Dynamics	2022
41.	Design, Development, In Silico, and In Vitro Characterization of Camptothecin-Loaded Mixed Micelles: In Vitro Testing of Verapamil and Ranolazine for Repurposing as Adjuvant Therapy in Cancer	Journal of Pharmaceutical Innovation	2022
42.	Formulation and Optimization of 5-Amino Salicylic acid Tablet for Colon Targeting	Research Journal of Pharmacy and Technology	2022
43.	Phytochemical Screening, Total Flavonoid, Phenolic content assays and Antioxidant activity of selected Unani Formulations	Research Journal of Pharmacy and Technology	2022
44.	Development and Characterization of 5-	Journal of Pharmaceutical	2022

	Fluorouracil Solid Lipid Nanoparticles for Treatment of Colorectal Cancer	Innovation	
45.	Evaluation of DHFR Inhibition and Antimicrobial Activity of Some Newly Synthesized Quinazolin-4 (3H)-one Scaffold Coupled with Benzyldiene and Ethylidene Amino Motifs.	International Journal of Pharmaceutical Investigation	2022
46.	Synthesis and In-Vitro Evaluation of Raloxifene–Oxalyl Chloride Conjugate Targeting Breast Cancer	Pharmaceutical Chemistry Journal	2022
47.	Synthesis and characterization of chitosan nanoparticles decorated with folate and loaded with dasatinib for targeting folate receptors in cancer cells	OpenNano	2022
48.	Review on drug delivery applications of ethosomes: Current developments and prospects	Thai Journal of Pharmaceutical Sciences	2022
49.	Green synthesis of gold and silver nanoparticles: Updates on research, patents, and future prospects	OpenNano	2022
50.	Formulation, optimization, and in vitro evaluation of anastrozole-loaded nanostructured lipid carriers for improved anticancer activity	Journal of Drug Delivery Science and Technology	2022
51.	Development of Progesterone Oily Suspension Using Moringa Oil and Neusilin US2	Journal of Pharmaceutical Innovation	2022
52.	Isolation and identification of Hair growth potential Fraction from Active Plant Extract	Journal of Ayurveda and Integrative Medicine	2022

	of Blumea eriantha DC Grown in Western Ghat of India: In Silico Study		
53.	Crystallinity modulated silk fibroin electrospun nanofibers based floating scaffold as a candidate for controlled release of felodipine	International Journal of Polymeric Materials and Polymeric Biomaterials	2022
54.	Synthesis of benzopyrans and evaluation of cytotoxicity against ER-MCF-7 cell lines	Journal of Molecular Structure	2022
55.	Design and development of sodium alginate/ carboxymethyl cellulose in situ gelling system for gastroretentive delivery of lisinopril	Journal of Research in Pharmacy	2022
56.	Statistically developed docetaxel-laden mixed micelles for improved therapy of breast cancer	OpenNano	2022
57.	Development and validation of RP-HPLC method for estimation of camptothecin in mixed micelle formulation	Research Journal of Pharmacy and Technology	2022
58.	Statistically designed novel ranolazine-loaded ethosomal transdermal gel for the treatment of angina pectoris	Journal of Drug Delivery Science and Technology	2022
59.	Development and Validation of UV Spectrophotometric Method for Doxazosin Mesylate in Bulk and Tablets	Research Journal of Pharmacy and Technology	2022
60.	Herbal Treatment for Management of Psoriasis: An Overview	Research Journal of Pharmacy and Technology	2022
61.	In-vitro Analysis of Clerodendrum inerme as Potential Agent for Psoriasis Management	Indian Journal of Natural Sciences	2022



62.	Preformulation studies of glipizide: First step towards developing stable osmotic drug delivery system	Research Journal of Pharmacy and Technology	2022
63.	In vitro, in silico and in vivo screening of non-oncology drugs for repurposing in osteosarcoma.	Journal of Research in Pharmacy	2022
64.	Syntheses, Molecular Docking and Biological Evaluation of 2-(2-hydrazinyl) thiazoles as Potential Antioxidant, Anti-Inflammatory and Significant Anticancer Agents	Recent Advances in Inflammation & Allergy Drug Discovery	2022
65.	Synthesis, Biological Evaluation and Molecular Docking of Novel N-Acyl/Aroyl Spiro [Chromane-2, 4'-Piperidin]-4 (3 H)-One as Potent Anti-Microbial Agents	Polycyclic Aromatic Compounds	2022
66.	Oral self-emulsifying nanoemulsion systems for enhancing dissolution, bioavailability and anticancer effects of camptothecin	Journal of Drug Delivery Science and Technology	2022
67.	Pazopanib-laden lipid based nanovesicular delivery with augmented oral bioavailability and therapeutic efficacy against non-small cell lung cancer	International Journal of Pharmaceutics	2022
68.	Recent advances in orthogonal analytical techniques for microstructural understanding of inhalable particles: Present status and future perspective	Journal of Drug Delivery Science and Technology	2022
69.	Differences and Similarities in the Metabolism of Erlotinib across various Species: An Analysis by Liquid	Research Journal of Pharmacy and Technology	2022

	Chromatography - Tandem Mass Spectrometry		
70.	Engineered atenolol-glycoconjugates to target H9c2 cardiomyocyte cell lines	Acta Innovations	2022
71.	Crystallinity modulated silk fibroin electrospun nanofibers based floating scaffold as a candidate for controlled release of felodipine	International Journal of Polymeric Materials and Polymeric Biomaterials	2022
72.	Ficus benghalensis leaf extract in biosynthesis of Fe <sub>3</sub> O <sub>4</sub> for Fe <sub>3</sub> O <sub>4</sub> @Ag-S-CH <sub>2</sub> -COOH: A novel catalyst for synthesis of new 3,4-dihydropyrimidin-2(1 <i>H</i> )-ones and their anticancer evaluation	Applied Organometallic Chemistry	2022
73.	In silico exploration of binding potentials of anti SARS-CoV-1 phytochemicals against main protease of SARS-CoV-2	Journal of Saudi Chemical Society	2022
74.	Fibroin-alginate scaffold for design of floating microspheres containing felodipine	Journal of Pharmaceutical Innovation	2021
75.	Design, development, in silico and in vitro characterization of Docetaxel-loaded TPGS/Pluronic F 108 mixed micelles for improved cancer treatment	Journal of Drug Delivery Science and Technology	2021
76.	Synthesis, characterization, in silico analysis, and pharmacological evaluation of metoprolol-modified saccharide conjugates for cardiovascular targeting	Journal of Pharmaceutical Innovation	2021
77.	Identification and Investigation of Chalcone Derivatives as Calcium Channel Blockers: Pharmacophore Modeling, Docking Studies,	Current Computer-Aided Drug Design	2021

	In vitro Screening, and 3D-QSAR Analysis		
78.	Potential of NO donor furoxan as SARS-CoV-2 main protease (Mpro) inhibitors: <i>in silico</i> analysis	Journal of Biomolecular Structure and Dynamics	2021
79.	Quantitative structure property relationship assisted development of Fluocinolone acetonide loaded transfersomes for targeted delivery	Journal of Drug Delivery Science and Technology	2021
80.	Development of lipoprotein-drug conjugates for targeted drug delivery	Journal of Biomolecular Structure and Dynamics	2021
81.	Carbon dots: A novel trend in pharmaceutical applications	Annales Pharmaceutiques Françaises	2021
82.	Colon targeted dosage form of Capecitabine using folic acid anchored modified carbon nanotube: <i>in vitro</i> cytotoxicity, apoptosis and <i>in vivo</i> roentgenographic study	Drug Development and Industrial Pharmacy	2021
83.	Surface architected metal organic frameworks-based biosensor for ultrasensitive detection of uric acid: Recent advancement and future perspectives	Microchemical Journal	2021
84.	Ionic liquids: Formulation avenues, drug delivery and therapeutic updates	Journal of Drug Delivery Science and Technology	2021
85.	Development and Evaluation of Lyophilized Methotrexate Nanosuspension using Quality by Design Approach	Acta Chimica Slovenica	2021
86.	Evaluation of <i>in vitro</i> antioxidant, anticancer activities and molecular docking studies of Capparis zeylanica Linn. leaves	Future Journal of Pharmaceutical Sciences	2021
87.	Synthesis, Antimicrobial Evaluation and	Current Bioactive	2021

	Docking Study of Novel Thiosemicarbazone Clubbed with 1, 2, 3-Triazoles	Compounds	
88.	In silico analysis of marine indole alkaloids for design of adenosine A2A receptor antagonist	Journal of Biomolecular Structure and Dynamics	2021
89.	In silico analysis of polyphenols and flavonoids for design of human Nav1.7 inhibitors	Journal of Biomolecular Structure and Dynamics	2021
90.	An expedient four component synthesis of substituted pyrido-pyrimidine heterocycles in glycerol: proline based low transition temperature mixture and their antioxidant activity ...	Polycyclic Aromatic Compounds	2021
91.	Characterization of camptothecin by analytical methods and determination of anticancer potential against prostate cancer	Future Journal of Pharmaceutical Sciences	2021
92.	1, 2-Dihexadecanoyl-sn-glycero-3-phosphoethanolamin (DPPE), doxorubicin and folic acid conjugated micelles for cancer management in tumor bearing BALB/c mice	Bioorganic & Medicinal Chemistry Letters	2021
93.	Capsaicin loaded solid SNEDDS for enhanced bioavailability and anticancer activity: in-vitro, in-silico, and in-vivo characterization	Journal of Pharmaceutical Sciences	2021
94.	In vitro screening of Anti-diabetic activity and Anti-inflammatory activity of leaves extract of Barleria gibsoni Dalz	Research Journal of Pharmacy and Technology	2021
95.	Synthesis, characterization, in silico analysis, and pharmacological evaluation of	Journal of Pharmaceutical Innovation	2021

	metoprolol-modified saccharide conjugates for cardiovascular targeting		
96.	A Review On Basics And Applications Of Modified Carbohydrates In Drug Delivery	Indian Drugs	2021
97.	Computer Assisted Models for Blood Brain Barrier Permeation of 1, 5-Benzodiazepines	Current Computer-Aided Drug Design	2021
98.	In silico design and pharmacological evaluation of conjugates of atenolol with modified saccharide for cardiovascular targeting	Glycoconjugate Journal	2021
99.	Novel curcumin ascorbic acid cocrystal for improved solubility	Journal of Drug Delivery Science and Technology	2021
100.	Green synthesis of silver, iron and gold nanoparticles of lycopene extracted from tomato: their characterization and cytotoxicity against COLO320DM, HT29 and Hella cell	Journal of Materials Science: Materials in Medicine	2021
101.	Discovery of potential inhibitors for phosphodiesterase 5A, sodium-potassium pump and beta-adrenergic receptor from <i>Terminalia arjuna</i> : <i>in silico</i> approach	Journal of Biomolecular Structure and Dynamics	2021
102.	Design and development of terbinafine hydrochloride ethosomal gel for enhancement of transdermal delivery: In vitro, in vivo, molecular docking, and stability study	Journal of Drug Delivery Science and Technology	2021
103.	Screening of effective formulation techniques for Designing and Fabrication of Terbinafine hydrochloride ethosomes	Research Journal of Pharmacy and Technology	2021

104.	Discovery of two novel hetero-tricyclic lead scaffolds as PDE5A inhibitor: virtual screening, molecular docking and pharmacophore modeling approach	Natural product research	2021
105.	Synthesis, antimicrobial screening, and docking study of new 2-(2-ethylpyridin-4-yl)-4-methyl-N-phenylthiazole-5-carboxamide derivatives	Journal of the Chinese Chemical Society	2021
106.	Hepatoprotective activity of Phyllanthus niruri Linn. endophytes	Future journal of pharmaceutical sciences	2021
107.	Formulation, Characterization of Anticancer Nanoemulsion containing Trigonella foenum-graecum L. Seed oil	Research Journal of Pharmacy and Technology	2020
108.	Antioxidants with multivitamin and mineral supplementation attenuates chemotherapy or radiotherapy-induced oxidative stress in cancer patients	Indian Journal of Pharmaceutical Education and Research	2020
109.	Development of 'S', 'N' Heterocycles as Antimycobacterials Targeting Fatty Acid Biosynthesis	Current Computer-Aided Drug Design	2020
110.	Multi-Targeted Design and Development of Dihydroisoquinolines as Potent Antimalarials	Current Computer-Aided Drug Design	2020
111.	Silk industry waste protein: isolation, purification and fabrication of electrospun silk protein nanofibers as a possible nanocarrier for floating drug delivery	Nanotechnology	2020
112.	Green synthesis of silver and iron nanoparticles of isolated proanthocyanidin:	Journal of Genetic Engineering and	2020



	its characterization, antioxidant, antimicrobial, and cytotoxic activities against COLO320DM and HT29	Biotechnology	
113.	Meloxicam quantification in rabbit plasma by RP-HPLC: optimization and application to pharmacokinetic study	Future Journal of Pharmaceutical Sciences	2020
114.	Synthesis, antimicrobial evaluation, and molecular docking study of new thiazole-5-phenylpropenone derivatives	Russian Journal of General Chemistry	2020
115.	Synthesis of isoniazid-1, 2, 3-triazole conjugates: Antitubercular, antimicrobial evaluation and molecular docking study	Journal of Heterocyclic Chemistry	2020
116.	Design and characterization of camptothecin gel for treatment of epidermoid carcinoma	Future journal of pharmaceutical sciences	2020
117.	Design and development of melt solidification of meloxicam for enhancement of solubility and dissolution.	Journal of Research in Pharmacy	2020
118.	Vasorelaxant Effect of Novel Nitric Oxide-Hydrogen Sulfide Donor Chalcone in Isolated Rat Aorta: Involvement of cGMP Mediated sGC and Potassium Channel Activation	Current Molecular Pharmacology	2020
119.	Synthesis and Modeling Studies of Furoxan Coupled Spiro-Isoquinolino Piperidine Derivatives as NO Releasing PDE 5 Inhibitors	Biomedicines	2020
120.	Pharmaceutical applications of electrospinning	Annales Pharmaceutiques Françaises	2020
121.	A remarkable in vitro cytotoxic, cell cycle	Drug Delivery and	2020

	arresting and proapoptotic characteristics of low-dose mixed micellar simvastatin combined with alendronate sodium	Translational Research	
122.	Development and validation of novel stability-indicating LC method for the determination of saxagliptin and metformin	Indian Journal of Pharmaceutical Education and Research	2020
123.	QbD based approach to enhance the in-vivo bioavailability of ethinyl estradiol in Sprague-Dawley rats	Acta Chimica Slovenica	2020
124.	Dual basic ionic liquid as a catalyst for synthesis of (2-amino-3-cyano-4H-chromen-4-yl) phosphonic acid diethyl ester and its molecular docking study	Research on Chemical Intermediates	2020
125.	Rust-derived Fe <sub>2</sub> O <sub>3</sub> nanoparticles as a green catalyst for the one-pot synthesis of hydrazinyl thiazole derivatives	Organic & Biomolecular Chemistry	2020
126.	Synthesis, anticancer and antimicrobial evaluation of new pyridyl and thiazolyl clubbed hydrazone scaffolds	Synthetic Communications	2020
127.	Acrylamide grafted neem (Azadirachta indica) gum polymer: Screening and exploration as a drug release retardant for tablet formulation	Carbohydrate polymers	2020
128.	Synthesis of phthalazine derivative based organic nanoflakes in aqueous solvent as a potential nano-anticancer agent: A new approach in medical field	Journal of Molecular Structure	2020
129.	Exploring the Pharmacological Potentials of Biosurfactant Derived from Planococcus	Current Microbiology	2020

	maritimus SAMP MCC 3013		
130.	Design and characterization of camptothecin gel for treatment of epidermoid carcinoma	Future journal of pharmaceutical sciences	2020
131.	Development and validation of a liquid chromatography-tandem mass spectrometry method for quantification of Lupeol in plasma and its application to pharmacokinetic study in rats	Journal of Chromatography B	2019
132.	Sericin inhibits devitrification of amorphous drugs	AAPS PharmSciTech	2019
133.	Exploration of leads from natural domain targeting HER2 in breast cancer: An in-silico approach	International Journal of Peptide Research and Therapeutics	2019
134.	Anticancer activity and molecular docking studies of ferrocene tethered ionic liquids	Journal of Molecular Liquids	2019
135.	Quantitative Structure–Property Relationship Approach in Formulation Development: an Overview	AAPS PharmSciTech	2019
136.	Stabilization of hydrochlorothiazide nanocrystals using fibroin	Journal of Research in Pharmacy	2019
137.	Validated UV Spectrophotometric method for Estimation of Simvastatin in Bulk and Pharmaceutical Formulation	Research Journal of Pharmacy and Technology	2019
138.	Development of High-Strength Extended-Release Multiparticulate System by Crystallo-co-agglomeration Technique with Integration of Central Composite Design	AAPS PharmSciTech	2019
139.	Lornoxicam quantification in rabbit plasma by reverse phase HPLC: Optimization and	Separation Science Plus	2019

	application to pharmacokinetic study		
140.	Development of stable emulsified formulations of <i>Terminalia arjuna</i> for topical application: evaluation of antioxidant activity of final product and molecular docking Study	Drug Development and Industrial Pharmacy	2019
141.	Optimization of Thiazolidone Scaffolds Using Pocket Modeling for Development of Potential Secretory System Inhibitors of Mycobacterium tuberculosis	Turkish Journal Of Pharmaceutical Science	2019
142.	Synthesis and antimycobacterial evaluation of new 5-(1-benzyl-1H-1,2,3-triazol-4-yl)-4-methyl-2-arylthiazole derivatives	Medicinal Chemistry Research	2019
143.	Synthesis, antitubercular evaluation and molecular docking studies of phthalimide bearing 1, 2, 3-triazoles	Synthetic Communications	2019
144.	Synthesis, antimicrobial activity, and molecular docking study of formyl-naphthalenyloxymethyl-triazolyl-N-p-henylacetamides	Journal of Heterocyclic Chemistry	2019
145.	Synthesis of new thiazolyl-pyrazolyl-1, 2, 3-triazole derivatives as potential antimicrobial agents	European journal of medicinal chemistry	2019
146.	In Vitro Study of Ethyl-4-(3,4,5-trimethoxyphenyl)-2,7,7-trimethyl-5-oxo-1,4,5,6,7,8-hexahydroquinoline-3-carboxylate and Bovine Serum Albumin Using Multi-Spectroscopic Techniques and Molecular Docking	Macromolecular Symposia	2019

# Bharati Vidyapeeth College of Pharmacy, Kolhapur


Near Chitranagari, Kolhapur-416013, Maharashtra, India.

Website: <http://copkolhapur.bharatividyaapeeth.edu>

147.	Synthesis, antimicrobial, and antioxidant activities of new pyridyl-and thiazolyl-bearing carbonylhydrazides	Journal of the Chinese Chemical Society	2019
148.	Design, development and evaluation of self nanoemulsifying drug delivery system of garlic oil using capryol PGMC	Indian Journal of Pharmaceutical Education and Research	2019
149.	Design and characterisation of lopinavir nanocrystals for solubility and dissolution enhancement	Pharmaceutical Sciences Asia	2019
150.	In silico design, synthesis, characterization and pharmacological evaluation of captopril conjugates in the treatment of renal fibrosis	New Journal of Chemistry	2019
151.	Investigation of anti-inflammatory, nitric oxide donating, vasorelaxation and ulcerogenic activities of 1, 3-diphenylprop-2-en-1-one derivatives in animal models	Clinical and Experimental Pharmacology and Physiology	2019
152.	Validated RP-HPLC method for quantification of felodipine in rabbit plasma: Application in a bioequivalence study	Annales Pharmaceutiques Françaises	2019
153.	Development and Validation of an HPLC-UV Method for the Determination of Melphalan from Lyophilized Nanosuspension	Indian Journal of Pharmaceutical Education and Research	2019
154.	Screening of Silk Fibroin as a Stabilizer for Freeze Drying of Thermolabile Drug	Indian Journal of Pharmaceutical Education and Research	2019
155.	Lung delivery of nanoliposomal salbutamol sulfate dry powder inhalation for facilitated asthma therapy	Journal of Liposome Research	2019

### 3.2.1.7. Product Development

A unique Ayurvedic dental analgesic formulation has been developed by our Pharmacognosy Dept. After successful clinical trial for safety and efficacy this formulation is currently manufactured and marketed as “TAB ANALDENT” by Milind Chemicals And Marketing Corporation, Miraj, Dist.-Sangli (Maharashtra). This successful commercialization of our product reflects our translation research for the benefit of society.



View Similar Products

#### Analdent Ayurvedic Tablets

**Price: 8500 INR**

Minimum order quantity - 01 Carton/Cartons

Get Latest Price

Delivery Time	Supply Ability
1 Week	100 Per Week

Send Inquiry ↗

#### Analdent Ayurvedic Tablets Specification

Physical Form	Dosage
Tablets	3
Main Domestic Market	Packaging Details
All India	Cartons boxes

#### Company Details

We MILIND CHEMICALS AND MARKETING CORPORATION are engaged in research in AYURVEDA by the brand name TAB ANALDENT which is a novel innovation in the dental pain relief market. TAB ANALDENT is the only ayurvedic brand available in the market to be taken orally. TAB ANALDENT is researched under the able guidance of DR SURESH KILLEDAR of BHARTI COLLEGE OF PHARMACY and also all the tests including patients safety profile is also been done at TILAK AYURVEDA COLLEGE PUNE a renowned institute of ayurveda. Data of 1000 patients from different dental related problems were been tested at TARACHAND DENTAL COLLEGE PUNE. TAB ANALDENT has passed all the parameters and all permissions from FDA. WE are now in search of some able entrepreneurs and distributors all over INDIA to spread TAB ANALDENT with its amazing benefits with no side effects. INTERESTED ENTREPRENEURS BE FREE TO CALL US ON OUR NUMBER Mr MILIND BABAR 9028838178.



# Bharati Vidyapeeth College of Pharmacy, Kolhapur

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Website: <http://copkolhapur.bharatividyaapeeth.edu>

### 3.2.1.2.7 . Participation in Research Competition:

Consistently every year faculties and students are participating and winning prizes in prestigious research competition LIKE “AVISHKAR” research competition at University and Interuniversity level.

#### Research Competitions

Sr. No.	Name	Event	Prize
1.	Mr. Sourabh Sutar	TECHNOCHEM-2K23	1 <sup>st</sup>
2.	Mr. Meghraj Surve	TECHNOCHEM-2K23	1 <sup>st</sup>
3.	Mr. Sanket Rathod	Avishkar	3 <sup>rd</sup>
4.	Mr. Dhairyashil Koli	Avishkar	3 <sup>rd</sup>
5.	Mrs. Swapnali V. Dharanguttikar	Avishkar	3 <sup>rd</sup>
6.	Mr. Suraj Mahole	Avishkar	1 <sup>st</sup>
7.	Miss. Pournima Patil	Avishkar	3 <sup>rd</sup>
8.	Miss. Aishwarya S. Patil	Avishkar	1 <sup>st</sup>
9.	Mr. Nagesh D.Nilawar	Avishkar	1 <sup>st</sup>
10.	Mr. Omkar G.Patil	Avishkar	1 <sup>st</sup>
11.	Sadaf Aslam Mutwalli	Avishkar	1 <sup>st</sup>
12.	Miss. Priyanka Yadav	Avishkar	1 <sup>st</sup>