



AISSMS

COLLEGE OF PHARMACY

IMPARTING EXCELLENCE IN EDUCATION & RESEARCH



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7.3 Distinctive area: Research and Development Activities

Research Grants Received

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Overall Summary of funding

2022-23	2021-22	2020-21	2019-20	2018-19	Total Funding
1.52 Lakh	1.10 Lakh	13.32 Lakh	1.79 Lakh	24.7 Lakh	42.43 Lakh

2022-23

Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs) **1.52**

Research funds sanctioned and received from various agencies, industry and other organisations				
Nature of the Project	Duration	Name of the funding Agency	Total grant sanctioned	Amount received during the Academic
Major projects	-	-	-	-
Minor Projects	-	-	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored Projects	3 months	Separate list attached	57136.00	57136.00
Projects sponsored by the University/ College	3 months	Separate list attached	46081.00	46081.00
Students Research Projects <i>(other than compulsory by the College)</i>	3 months	Separate list attached	48718.00	48718.00
International Projects	-	-	-	-
Any other(Specify)	-	-	-	-
Total Funds (Rs.)			151935.00	151935.00

Number of departments having Research projects funded by government and non- government agencies during the year.

Outside Projects

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)
Design and Development of potential anticancer agents using molecular modeling and docking studies	Dr. S.V. Bhandari	Pharmaceutical Chemistry	2022-23	14750=00	03 Month	Dr. Rajendra Dighe, KBHSS Trust's Institute of Pharmacy, Malegaon Nashik	Non-Government
Design and Development of potential Antiviral agents using molecular modeling and docking studies	Dr. S.V. Bhandari	Pharmaceutical Chemistry	2022-23	14750=00	03 Month	Rajnikant Ghotane, RBCOP, Pethwadgaon Kolhapur	Non-Government
Docking studies of Oxadiazole derivatives for Antitubercular activity	Mrs. K.D. Asgaonkar Mrs. S.M. Patil	Pharmaceutical Chemistry	2022-23	3540=00	03 Month	Ms. Asha Suryawanshi, Dept of Pharm Chemistry, Shri. D.d. Vispute College of Pharmacy, Panvel, Navi Mumbai	Non-Government

Docking studies of drug with different polymer	Mrs. K.D. Asgaonkar Dr. T.S. Chitre	Pharmaceutical Chemistry	2022-23	2950.00	03 Month	Mr. Yash Joshi, Ramanbhai Patel College of Pharmacy, Gujrat	Non-Government
Pharmacokinetic Evaluation of Dexamethasone in presence of herbal drug	Dr. S.V. Tembhurne	Pharmacology	2022-23	21146.00	03 Month	Mr. Praful Mazi, SOS University, Bhubaneshwar, Odisa	Non-Government
Total Fund Received (Rs.)				57136.00			
Industry Sponsored Project							
Formulation of grapeseed extract mousse	Dr. M.R. Bhalekar	Pharmaceutics	2022-23	3601=00	03 Month	D Y Patil Dental College Pune	Non-Government
Synthesis of chromium amino acid nicotinic acid chelates	Mrs. K.D. Asgaonkar	Pharmaceutical Chemistry	2022-23	5900.00	03 Month	Indus Biotech, Pune	Non-Government
HPTLC estimation of Cinnamtannin B1 from powder extract and capsule blend	Dr. S.V. Gandhi	Quality Assurance Department	2022-23	17700.00	01 month	M.S. Indus Biotech Ltd. Pune	Non-Government

Development of slow release pheromone tablet for integrated pest management of agricultural pest	Dr. M.R. Bhalekar	Pharmaceutics	2022-23	5900.00	03 Month	Pherotrap Solution LLP, Pune	Non-Government
Characterization of sunscreen formulation	Dr. MRP Rao	Pharmaceutics	2022-23	5900.00	03 Month	Pristina Pharma Ltd, Pune	Non-Government
Development and validation of UV spectrophotometric method for estimation of Ritonavir in bulk, tablet dosage form and dissolution medium	Dr. S.V. Gandhi	Quality Assurance Department	2022-23	7080.00	03 Month	Shi-Etsu Chemicals, Tylose India Pvt. Ltd, Thane	Non-Government
Total Fund Received (Rs.)				46081.00			

In-house Projects

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/ Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned (Rs.)	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)
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Drug repurposing on different drug targets using insilico techniques	Mrs.Kalyani Asgaonkar, Mrs. Shital Patil	Pharmaceutical Chemistry	2022-23	4720	03 Months	YashDaga, Manjish Gupta	Non-Government
Formulation and Evaluation of Gummies for Uterine health	Mrs. Amruta Avalaskar	Pharmacognosy	2022-23	5900	03 Months	Kalyani Dhengale, Rutuja Gaikwad, Snehal Gadhare	Non-Government
Formulation and Evaluation of Gummies for Uterine health	Mrs.Amruta Avalaskar	Pharmacognosy	2022-23	5900	03 Months	Samarth Dhanwat, Omkar Mohekar, Saurabh Shendkar, Vaishnavi Vibhute	Non-Government
Design and Evaluation of a topical formulation	Dr. Monica Rao	Pharmaceutics	2022-23	4720	03 Months	DivyaKanade, Priyanka Khanvilkar, AkankshaMahadik, IshaMahamunkar	Non-Government
Quantitation of active marker from Herbal formulation by HPTLC	Dr. MC Damle	Quality Assurance	2022-23	5782	03 Months	Vaishnavi Shitole, Sweta Singh	Non-Government
Formulation of Grapeseed extract	Dr. MR Bhalekar	Pharmaceutics	2022-23	5664	03 Months	Rutuja Londhe, Shrunalini Jadhav, Mayur Kulkarni	Non-Government
Antimicrobial preparation of a herbal gel	Mr. Jitendra Gajbe, Mrs. Shivani Rao	Pharmaceutics	2022-23	5546	03 Months	Isha Kalbhor, Jeevan Bagul,	Non-Government

Antimicrobial preparation of a herbal gel	Mr. Jitendra Gajbe, Mrs. Shivani Rao	Pharmaceutics	2022-23	5530	03 Months	Snehal Dombe, Meenal Gaikwad	Non-Government
Estimating Anthelmintic activity of Brassica olerica	Mr. Omkar Devade	Pharmacology	2022-23	4956	03 Months	Shrunalini Jadhav, Advait Jahagirdar	Non-Government
Total fund from In-house Project (Rs.)=				48718.00			

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2021-22

Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)**1.10**

3.1.1 Research funds sanctioned and received from various agencies, industry and other organisations				
Nature of the Project	Duration	Name of the funding Agency	Total grant sanctioned	Amount received during the Academic
Major projects	-	-	-	-
Minor Projects	---	----		
Interdisciplinary Projects	---	----	---	---
Industry sponsored Projects	3 months	Separate list attached	45390.00	45390.00
Projects sponsored by the University/ College	3 months	Separate list attached	12555.00	12555.00
Students Research Projects <i>(other than compulsory by the College)</i>	3 months	Separate list attached	52467.00	52467.00
International Projects	--	---	---	---
Any other(Specify)	-	-	-	-
Total Funds (Rs.)			110412.00	110412.00

3.1.3 Number of departments having Research projects funded by government and non- government agencies during the year

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/ Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)
Industry Sponsored							
Spray drying of pharmaceuticals	Dr. Mangesh Bhalekar	Pharmaceutics	2021-2022	9400.00	03 Month	Novachem Drugs Pvt Ltd	Non-Government
Determination of Sun Protection Factor of cosmetic product	Dr. Mithun Bandivadekar	Pharmaceutics	2021-2022	2360.00	03 Month	Parama Naturals, Satavayu Naturals LLP.	Non-Government
Formulation of Pheromone Tablet	Dr. Mangesh Bhalekar	Pharmaceutics	2021-2022	3630.00	03 Month	Green Core Biosolutions, Baramati	Non-Government
Formulation Filling, Sealing and Evaluation of gel	Dr. Mangesh Bhalekar	Pharmaceutics	2021-2022	30000.00	03 Month	Indus Biotech Private Ltd.	Non-Government
Total Fund Received (Rs.)				45390.00			
Outside Projects							
Formulation and evaluation of Liposome for cancer targeting	Dr. Mangesh Bhalekar	Pharmaceutics	2021-2022	12555	03 Month	Ashokrao Mane college of Pharmacy Petwadgaon, pune	Non-Government
Total Cost (Rs.)				12555.00			

In-house Research Projects

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co -investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non- Government)
Study of nootropic activity of THF polyherbal formulation in Rodents	S U Kolhe	Pharmacology	2021-22	4000	03 Months	Anam Bagwan, Atharva Suryawanshi AyushiShaha, Aditya Lokhande	Non-Government
Assessment of lethal effect of THF in lab animals	S U Kolhe	Pharmacology	2021-22	4000	03 Months	VidhiDagde, Aparna Pawar, Sonali Bhondve, R Bhagvat, P Devkate	Non-Government
To formulate and evaluate Carimor tablets for management of Dengue	A N Avlaskar	Pharmacognosy	2021-22	5900	03 Months	Vaishnavi Nikam, R Shingavi, Divyesh Jain	Non-Government
Development of HPTLC method for estimation of Lupeol from Kanchan Bark extract and marketed product	Dr M C Damle	Quality Assurance	2021-22	6101	03 Months	Rutuja Londhe, Uttekar Pranav, AwadJayesh	Non-Government

Development and validation of spectrophotometric method for determination of drugs	Dr S V Gandhi	Quality Assurance	2021-22	5200	03 Months	Pratiksha Waghmare, IshwariSapkal, Sakshi Wable	Non-Government
Formulation and evaluation of herbal dry shampoo	Mrs. Megha Shah	Pharmacognosy	2021-22	4000	03 Months	Rathod Namrata, Shah Ayushi, Siddhi sefalika, AtharvSuryavanhi	Non-Government
Preliminary and analytical study of medicinal plant(radish)	Mrs. Megha Shah	Pharmacognosy	2021-22	6000	03 Months	Sanket Pujari, Patil Harshwardhan, Vaibhavi Mulley, Dhumal Anand	Non-Government
Herbal Anti-spasmodic Gel for relief of menstrual cramps	Dr. Reshma Mirajkar	Pharmaceutics	2021-22	7000	03 Months	Girya Kulkarni, Sakshi Sagal, JyotiKupate, Tanmayavyas, Nirmala Rajpurohit	Non-Government
Formulation of Fexofenadine co-crystals for improved dissolution	Dr Mangesh Bhalekar	Pharmaceutics	2021-22	5546	03 Months	VidhiDayade, Vishwajit Lad, SarveshChourange, Neha Bamane	Non-Government
Solid state studies of an	Dr. Monica Rao	Pharmaceutics	2021-22	4720	03 Months	Isha Gadge, Saloni J, Gargi	Non-Government

active pharma ingredient						Nikam, SauravKulkarni	
Total In-house Project Fund=				52467.00			

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3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations during 2020-21=13.32 Lakh

3.1 Resource Mobilization for Research				
3.1.1 Research funds sanctioned and received from various agencies, industry and other organisations				
Nature of the Project	Duration	Name of the funding Agency	Total grant sanctioned	Amount received during the Academic year
Major projects	03 Years	AICTE, under RPS	1333333.00	1313333.00
Minor Projects	-	Nil	Nil	Nil
Interdisciplinary Projects	-	Nil	Nil	Nil
Industry sponsored Projects	03 Months	Nil	Nil	Nil
Projects sponsored by the University/ College	3 months	Separate list attached	14900.00	14900.00
Students Research Projects (<i>other than compulsory by the College</i>)	3 months	Separate list attached	4200.00	4200.00
International Projects	-	-	-	-
Any other(Specify)	-	-	-	-
Total funds (Rs.)			1352433.00	1332433.00

Major Research Project

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co- investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non- Government)
Design and development (Synthesis and evaluation of biological activity of potential anticancer agents containing curcumin using pharmacophore optimization by molecular modeling studies.	Dr. S.V. Bhandari	Pharmaceutical Chemistry	2020-21	1313333.00	03 Years	AICTE RPS	Government
Total Fund received =				1313333.00			
Outside Projects							
Spray drying of Arjuna Ksheerapaka	Dr.Mithun Bandivadekar and Mr. Jitendra Gajbe	Pharmaceutics	2020-21	4900	03 Month	Ashutosh Todakari	Non-Government
Evaluation of Aphrodisiac Activity of Artemisia nilagirica pamp in male albino rats	Dr S V Tembhurne	Pharmacology	2020-21	10000	03 Month	Akash Chauhan	Non-Government
Total Fund=				14900.00			

In-house Projects

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co -investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non- Government)
Study of nootropic activity of THF polyherbal formulation in Rodents	Mr. O.A. Devade	Pharmacology	2020-21	4200.00	03 Months	Mrs. Shinde Rucha, VijapuraGautami, SakateNisarga, RanpisePallavi, RandiveUtkarsh	Non-Government
Fund Received=				4200.00			

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2019-20

Research funds sanctioned and received from various agencies, industry and other organisations during 2019-20

=Total funding-1.79 Lakh

3.1.1 Research funds sanctioned and received from various agencies, industry and other organisations				
Nature of the Project	Duration	Name of the funding Agency	Total grant sanctioned	Amount received during the Academic
Major projects	-	-	-	-
Minor Projects	-	-	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored Projects	-	-	-	-
Projects sponsored by the University/ College	3 months	Separate list attached	114800.00	114800.00
Students Research Projects <i>(other than compulsory by the College)</i>	3 months	Separate list attached	63860.00	63860.00
International Projects	-	-	-	-
Any other(Specify)	-	-	-	-
Total Funds (Rs.)			178660.00	178660.00

Outside Research Projects

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co -investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non- Government)
Estimation of bis phenol A content in the given samples by HPLC	Dr.M C Damle	Department of Quality Assurance	2019-20	8900	03 Month	Dr SaquibPawaskar	Non-Government
Pharmacokinetic biodistribution and toxicity studies of nanoparticulates containing anticancer formulation	Dr S V Tembhurne and Dr.M C Damle	Pharmacology and Quality assurance	2019-20	50000	03 Month	Dhairyasheel Ghadge, Bharati Vidyapith Kolhapur	Non-Government
Antiobesity activity of Orlistat liposomes to high fatty diet induced obese rats	Dr S V Tembhurne	Pharmacology Department	2019-20	55900	03 Month	Nitesh Janabandhu	Non-Government
Total Fund=				114800.00			

In-house Research Project

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co -investigator	Department of Principal Investigator	Year of Award	Amount Sanction ed	Duration of the project	Name of the Funding Agency	Type (Government/non- Government)
Exploring immunoregulatory activity of some thiazolidine derivative using insilico tools	Mrs.Kalyani Asgaonkar, Mrs. Shital Patil	Pharmaceutical Chemistry	2019-20	4000		K Abhang, BhairaviBakhle, Ayush Khater	Non-Government
Formulation and evaluation of antifungal nail lacquer	Mrs. S H Rao Dr. M R Bhalekar	Pharmaceutics	2019-20	7600	03 Months	Shivani Godbole, S Kelkar, Riddhesh Kharche	Non-Government
Microbial limit of conventional oral Ayurvedic formulations	Mrs. S H Rao	Pharmaceutics	2019-20	3000	03 Months	Unmesh Mahajan, R Khirnar, AkankshaMarkad , M Upadhya, RuchiraTakale	Non-Government
Microbial limit of conventional oral Ayurvedic formulations	Mrs. S H Rao, Mrs.Amruta Avalaskar	Pharmaceutics	2019-20	3000	03 Months	Suda Jain, AbhishekGalgate, TusharJadhav, SaurabhMunde, BhairaviBakhle, KshitijaAbhang	Non-Government

Formulation of co-crystals	Dr. M R Bhalekar	Pharmaceutics	2019-20	5080	03 Months	P Gholap, Nikita Dhurde, Aditya Phatak, RoshanGudale, SiddharthKilledar	Non-Government
Preparation of formulation from cow urine minerals	Mr. P Sonawane	Pharmacognosy	2019-20	5000	03 Months	Y Avhad, M Gedam, Suyash Chaudhari, Dhanashri Jadhav	Non-Government
Development and validation of spectrophotmetric method for deerrmination of pharmaceuticals	Dr. S V Gandhi	Quality Assurance	2019-20	6000	03 Months	Abhishek Joshi, UtkarshaAvhad, Gaurav Mahajan, PrajwalHogade	Non-Government
Molecular modeling studies of N (12a]Pyridine-3 carboamid as antiTB agent	Mrs.V N Wable, Mrs. KS Sonawane	Quality Assurance	2019-20	5500	03 Months	Anjali Ahir, ShivanjaliJadhav, MayuriGaikwad, ShrutiGaikwad	Non-Government
Formulation and invitro ealuation of herbal cream containning Helictorus isora	Priyanka Khandare	Quality Assurance	2019-20	6180	03 Months	Vinay Londe, Shashikant Lohare, Komal lahoti and SaloniKirad	Non-Government
Total fund received =				63860.00			

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2018-19

Research funds sanctioned and received from various agencies, industry and other organisations during 2018-19

Total fund received= 24.7 Lakh

Research funds sanctioned and received from various agencies, industry and other organisations				
Nature of the Project	Duration	Name of the funding Agency	Total grant sanctioned	Amount received during the Academic year
Major projects	03 Years	All India Council for technical Education, New Delhi	2317647	2317647
Minor Projects	---	----	---	-
Interdisciplinary Projects	---	----	---	---
Industry sponsored Projects	3 months	Indus Biotech Pune	39000.00	39000.00
Projects sponsored by the University/ College	3 months	Separate list attached	56800.00	56800.00
Students Research Projects <i>(other than compulsory by the College)</i>	3 months	Separate list attached	56420.00	56420.00
International Projects	--	---	---	---
Total Funds (Rs.)			2469867.00	2469867.00

Summary

Major research Project

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co- investivator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non- Government)
Lipid Nanoparticles for Oral Targeted Drug Delivery of Disease Modifying Anti Rheumatoid Phytopharmaceuticals	Dr Mangesh Bhalekar	Pharmaceutics	2017-18	2317647.00	03 Years	Research Promotion Scheme All India Council for technical Education, New Delhi.	Government
Total fund received=				2317647.00			
Industry Sponsored Research Projects							
Development of moisture protective coating for herbal tablet	Dr Mangesh Bhalekar	Pharmaceutics	2018-19	39000.00	03 Month	Indus Biotech Private Ltd.	Non-Government
Total fund received (Rs.) =				39000.00			
Outside Research Projects							
Pharmacological screening of 2 amino 4 arylsubstituted phenyl quinoxaline derivatives for possible anti-inflammatory properties	Dr. S. V. Tembhone	Pharmacology	2018-19	16800	03 Month	Sharda Mahavidyalaya, Parbhani	Non-Government

Pharmacokinetic biodistribution and toxicity studies of nanoparticulates containing anticancer formulation	Dr S V Tembhurne	Pharmacology	2018-19	40000	03 Month	Dhairyasheel Ghadge	Non-Government
Total Funding (Rs.)=				56800.00			

In-house Project Funding

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)
Development and validation of HPTLC method for estimation of Etravirine	Dr. MC Damle	Quality Assurance	2018-19	5100.00	03 Months	Pranav Uttekar	Non-Government
Preparation of Mouth dissolving tablet of BCS II drug	Dr. MR Bhalekar	Pharmaceutics	2018-19	4500.00	03 Months	Dnyanada Bathe, SiddhantBhalerao	Non-Government
Development and validation of spectrophotometric method for determination of Pharmaceuticals	Dr. SV Gandhi	Quality Assurance	2018-19	6000.00	03 Months	Bhagyashree Patil, Shruti Khandave, Mayuri Pansare, Nishant Kolhe,	Non-Government
Spectrophotometric method development and validation of for the estimation of Pharmaceuticals	Dr. SV Gandhi	Quality Assurance	2018-19	6000.00	03 Months	Neha Sali, Shivam Jaiswal, Vipul Fegade, Vinod Gaikwad	Non-Government
Formulation and evaluation of Herbal hard candy for	Mrs.AmrutaAvalas	Pharmacognosy	2018-19	4200.00	03 Months	Abhishek Joshi, Mahesh Aher,	Non-Government

Antitussive activity	kar					AvhadUttkarsha, Gaurav Mahajan	
Development and Validation of HPTLC method for Hesperidine	Dr. MC Damle	Quality Assurance	2018-19	7500.00	03 Months	Neha Raka, Aishwarya Pawar, Pratiksha Undre, AkanskhaMarkad, Divya Mehta	Non-Government
Evaluation of different polymers with respect to Donnon membrane effect	Dr. MR Bhalekar	Pharmaceutics	2018-19	4620.00	03 Months	Rohom Saurabh, Ashwini Deokar, RiddhiWarhal	Non-Government
Application of Pastillation to improve dissolution of drug	Dr. MR Bhalekar	Pharmaceutics	2019-20	4500.00	03 Months	Atharva Kulkarni, Brinda Nadar, Ria Kesar, Omkar More	Non-Government
Development of Analytical method for drugs used in the treatment of Hepatitis C	Dr. MC Damle	Quality Assurance	2018-19	7500.00	03 Months	Harshada Vanave, Pooja Auti, AshleshaWavhal, AnkitaBulani, VrushalDhengale	Non-Government
Development of Analytical method for combination of drugsfor Hepatitis treatment	Dr. MC Damle	Quality Assurance	2018-19	6500.00	03 Months	Aishwarya Mate, Pranav Uttekar, Akshay Punmiya	Non-Government
Total Fund=				56420.00			



Dr. Ashwini R Madgulkar

Principal
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