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Savitribai Phule Pune University
Annual Report Information 2023-2024
Planning and Development

College Details							
1.	Name Of the Department/College/Institute	:	Mumbai Educational Trust MET Institute of Pharmacy Addr: Bhujbal Knowledge City Adgav Ta: Nashik Dist: Nashik	2.	Address Of the Department/College/Institute	:	Bhujbal Knowledge City Adgav Ta: Nashik Dist: Nashik Pincode: 422003
3.	Name Of the Head/Principal/Director	:	Sanjay Jayprakash Kshirsagar	4.	Tele (O/R) With STD Code/Mobile No., Fax No, Email Address and Website Address	:	Tele.- 0253-2555860 Email- principal_iop@bkc.met.edu URL- www.metbhujbalknowledgecity.ac.in

5. Reference Books/Monographs Published by Teacher (2023-2024) :

Sr. No.	Name of the Teacher(s)/Author	Title of the Reference Books/Monographs	Name and Place of Publisher(s)	Date of Publication	Isbn/Issn No.
1	Ahirrao Sapana Prabhakar	Novel Drug Delivery Systems in HIV/AIDS and Associated Complications	CRC Press	2024	9781032654881 / NA
2	Ahirrao Sapana Prabhakar	The Importance of Nutrigenetics and Nutrigenomics for Functional Foods and Personalized Nutrition	CRC Press	2024	9781003428268 / NA
3	Ahirrao Sapana Prabhakar	Parkinson's Targeting: A Novel Drug Delivery Approach	CRC Press	2024	9781032654881 / NA
4	Sable Rahul Ramakant	Vitamins as Nutraceuticals: Recent Advances and Applications	John Wiley & Sons, Inc.	2023	9781394175543 / -

6. No. of Conference, Symposia, Seminars, Workshops etc. Organized (2023-2024)

Sr. No.	No. of State Level	No. of National Level	No. of International Level
1	18	0	0

7. Research Publications in National and International Journals/Edited Books/Proceedings (2023-2024)

Sr. No.	Name of the Teacher's/Author	Title of the Paper	Name of the Journal/Proceeding/Edited Book	Volume & Pages	Year of Publication	ISBN/ISSN No.
1	Ahirrao Sapana Prabhakar	pH sensitive in-situ gel for ophthalmic delivery of ofloxacin and dexamethasone sodium phosphate: Formulation, development, and evaluation	Materials Today: Proceedings	Not Available & 0	2023	2214-7853 / 2214-7853



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2	Ahirrao Sapana Prabhakar	Formulation and evaluation of Olmesartan Medoxomil nanosuspension	Materials Today: Proceedings	Not Available & 0	2023	2214-7853 / 2214-7853
3	Ahirrao Sapana P, Bhambere Deepak S	Formulation and Evaluation of Butenafine Hydrochloride incorporated Solid Lipid Nanoparticles from Novel Excipient for the treatment of superficial Fungal Infection	Turkish Journal of Pharmaceutical Sciences	21 & 13	2023	2148-6247 / 2148-6247
4	Shelke Rakesh Uttamrao	Bioanalytical method development for quantification of trifluridine with its metabolites and tipiracil in spiked human plasma by solid-phase extraction (SPE) and HPLC with PDA	Materials Today: Proceedings	83 & 6	2023	0 / 2214-7853
5	Shelke Rakesh Uttamrao	Development and Validation of a New Bioanalytical Method for Quantification of CDK4/6 inhibitor in Spiked Human Plasma by HPLC-UV	current issues in pharmacy and medical sciences	36 & 18	2023	0 / 2300-6676
6	Dashputre Neelam Laxman	EVALUATION OF HEPATOPROTECTIVE AND NEPHROPROTECTIVE EFFECT OF γ - PINENE ON WISTAR ALBINO RAT	Biomedical and Pharmacology	16 & 15	2023	NA / 0974-6242
7	Bhambere Deepak Sunil	pH Sensitive In-Situ Gel for Ophthalmic Delivery of Ofloxacin and Dexamethasone Sodium Phosphate: Formulation, Development, and Evaluation	Materials Today: Proceedings	Not Available & 0	2023	2214-7853 / 2214-7853
8	Bhambere Deepak Sunil	Formulation and evaluation of Olmesartan Medoxomil nanosuspension	Materials Today: Proceedings	Not Available & 0	2023	2214-7853 / 2214-7853
9	Bhambere Deepak Sunil	Formulation and evaluation of Olmesartan Medoxomil nanosuspension	Materials Today: Proceedings	Not Available & 0	2023	2214-7853 / 2214-7853



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10	Bhambere Deepak Sunil	Formulation and Evaluation of Butenafine Hydrochloride Incorporated Solid Lipid Nanoparticles from Novel Excipients for the Treatment of Superficial Fungal Infection.	Turkish Journal of Pharmaceutical Sciences	21 & 13	2024	2148-6247 / 2148-6247
11	Rishipathak Dinesh Dattatraya	Development of substituted benzylidene derivatives as novel dual cholinesterase inhibitors for Alzheimer's treatment	RSC Advances	13 & 26344	2023	2046-2069 / 2046-2069
12	Rishipathak Dinesh Dattatraya	Estimation of Remogliflozin Etabonate Active Pharmaceutical Ingredient by Reverse Phase High-Performance Liquid Chromatography Method and Characterization of its Degradation Products by Liquid Chromatography-Mass Spectrometry	Asian Journal of Pharmaceutics	18 & 235	2024	1998-409X / 1998-409X
13	Rishipathak Dinesh Dattatraya	International Journal of Pharmaceutical Sciences and Drug Research	International Journal of Pharmaceutical Sciences and Drug Research	16 & 267	2024	0975-248X / 0975-248X
14	Rishipathak Dinesh Dattatraya	Preclinical Evaluation of Nerolidol's Hepatoprotective and Nephroprotective Potential	Biomedical & Pharmacology Journal	16 & 2083	2024	2456-2610 / 2456-2610
15	Rishipathak Dinesh Dattatraya	Development and validation of a new bioanalytical method for quantification of CDK4/6 inhibitor in Spiked Human Plasma by HPLC-UV	Current Issues in Pharmacy and Medical Sciences	36 & 81	2023	2300-6676 / 2300-6676
16	Rishipathak Dinesh Dattatraya	Synthesis and Evaluation of Anticonvulsant Activity of Some 5,5-Disubstituted-N3 - [(2-aryl) thiazolidine-4-one-3-yl)amino] hydantoins	Asian Journal of Chemistry	35 & 591	2023	0975-427X / 0975-427X



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17	Rishipathak Dinesh Dattatraya	Synthesis and Pharmacological Evaluation of Few 2-(Substituted Aryl)-4-(Heteroaryl)-2,3-Dihydro-1H-1,5-Benzodiazepine Derivatives	International Journal of Pharmaceutical Sciences and Drug Research	15 & 196	2023	0975-248X / 0975-248X
18	Rishipathak Dinesh Dattatraya	Evaluation of Hepatoprotective and Nephroprotective Effect of a-Pinene on Wistar Albino Rat	Biomedical & Pharmacology Journal	16 & 103	2023	2456-2610 / 2456-2610
19	Sangle Shradha Jagganth	To investigate the various part of herbarium Syzygium cumini (Jambhul) in managing the Diabetes Mellitus	Journal of Emerging Technologies and Innovative Research	10 & 14	2023	- / 2349-5162
20	Kshirsagar Sanjay Jayprakash	Development and in vitro, ex vivo, in vivo investigation of curcumin loaded nanoparticles in management of dry eye disease	Journal of Drug Delivery Science and Technology	87 & 4802	2023	2588-8943 / 2588-8943
21	Kshirsagar Sanjay Jayprakash	Fabrication of nanoparticulate system for oral delivery of Naringenin against paraquat-induced Parkinson's disorder in Wistar rats	European Journal of Medicinal Chemistry Reports	8 & 100105	2023	2772-4174 / 2772-4174
22	Kshirsagar Sanjay Jayprakash	HPLC Method Development, Validation and Application to Determining In-Vitro Effect of Levofloxacin on the Availability of Gliclazide	Pharmaceutical Chemistry Journal	57 & 445450	2023	0091150 / 0091-150X
23	Laddha Umesh Dilip	Fabrication of pioglitazone nanoparticles loaded polymeric dispersion for treatment of dry eye disease with in vitro and in vivo investigation	Journal of Drug Delivery Science and Technology	81 & 5	2023	2588-8943 / 1773-2247



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24	Laddha Umesh Dilip	An insight to development and in-vitro, ex-vivo, in-vivo study of effect of naringenin nanoparticles against letrozole induced polycystic ovarian syndrome in female wistar rats	Journal of Drug Delivery Science and Technology	90C & 15	2023	1773-2247 / 2588-8943
25	Laddha Umesh Dilip	Development and in vitro, ex vivo, in vivo investigation of curcumin loaded nanoparticles in management of dry eye disease	Journal of Drug Delivery Science and Technology	87 & 5	2023	1773-2247 / 2588-8943
26	Laddha Umesh Dilip	Design and development of high-dose bioactive oil-loaded transdermal patch with the aid of natural waste as an adsorbent- optimization with SeDeM-SLA tool	Pharmacological Research - Modern Chinese Medicine	10 & 8	2024	- / 2667-1425
27	Laddha Umesh Dilip	Formulation Development and Evaluation of Herbal Antifungal Cream by using Psidium guajava Leaf Extract	International Journal of Drug Delivery Technology	13 & 8	2023	- / 0975 4415
28	Laddha Umesh Dilip	Targeting breast cancer using phytoconstituents: Nanomedicine-based drug delivery	European Journal of Medicinal Chemistry Reports	9 & 16	2023	- / 2772-4174
29	Laddha Umesh Dilip	Potential therapeutic effects of naringin loaded PLGA nanoparticles for the management of Alzheimer's disease: In vitro, ex vivo and in vivo investigation	Heliyon	9 & 21	2023	- / 2405-8440
30	Laddha Umesh Dilip	Formulation, Development and Characterization of PLGA-Luliconazole Nanoparticles Loaded Gel System for Topical Fungal Treatment	Indian Journal of Pharmaceutical Education and Research	58 & 9	2024	- / 0019-5464



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31	Surse Sunita Narendra	Synthesis, Molecular Docking Studies and Cytotoxic Screening of Novel 2-Substituted Benzimidazole Derivatives	International Journal of Membrane Science and Technology	10 & 2568	2023	- / 2410-1869
32	Surse Sunita Narendra	Acidic, Alkaline, Oxidative, Photolytic and Dry Heat Stress Testing of Celecoxib	China Petroleum Processing and Petrochemical Technology	23 & 2269	2023	- / 1008-6234
33	Surse Sunita Narendra	Standardization and Quantitative Estimation of Active Biomarker from Polyherbal Formulation by RP-HPLC Method	Bulletin of Environment, Pharmacology and Life Sciences	13 & 63	2023	- / 2277-1808
34	Surse Sunita Narendra	Formulation Development and Evaluation of Herbal Antifungal Cream By Using Psidium Guajava Leaf Extract	International Journal of Drug Delivery Technology	13 & 1229	2023	- / 0975 4415
35	Surse Sunita Narendra	Wound Healing Potential of Polyherbal Dusting Powder for the Treatment of Bedsores	International Journal of Drug Delivery Technology	13 & 1328	2023	- / 0975 4415
36	Surse Sunita Narendra	Bioisosterism based Design, Synthesis and Antifungal Evaluation of Novel Fluconazole Analogues	Asian Journal of Chemistry	35 & 2561	2023	- / 0975-427X
37	Ahirrao Sapana Prabhakar	Evaluation of Hepatoprotective and Nephroprotective Effect of a-Pinene on Wistar Albino Rat	Biomedical and Pharmacology Journal	16 & 103	2023	NA / 0974-6242
38	Ahirrao Sapana Prabhakar	Liposomal Drug Delivery System as an Emerging Technique for Treatment of "Neurodegenerative Diseases"	Current Nanomedicine	13 & 17	2023	NA / 2468-1873
39	Ahirrao Sapana Prabhakar	Evaluation of Hepatoprotective and Nephroprotective Effect of a-Pinene on Wistar Albino Rat	Biomedical and Pharmacology Journal link is disabled,	16 & 103	2023	NA / 0974-6242



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40	Kshirsagar Sanjay Jayprakash	Fabrication of pioglitazone nanoparticles loaded polymeric dispersion for treatment of dry eye disease with in vitro and in vivo investigation	Journal of Drug Delivery Science and Technology	81 & 104267	2023	2588-8943 / 2588-8943
41	Kshirsagar Sanjay Jayprakash	Extraction, physicochemical characterization, functionality, and excipient ability of corn fiber gum-starch isolate from corn milling industry waste	International Journal of Pharmaceutics	645 & 123401	2023	0378-5173 / 0378-5173
42	Kshirsagar Sanjay Jayprakash	Development of nanoemulsion of antiviral drug for brain targeting in the treatment of neuro-AIDS	Beni-Suef University Journal of Basic and Applied Sciences	11 & 138	2023	2314-8543 / 2314-8543
43	Kshirsagar Sanjay Jayprakash	Potential therapeutic effects of naringin loaded PLGA nanoparticles for the management of Alzheimer's disease: In vitro, ex vivo and in vivo investigation	Heliyon	9 & 20	2023	2405-8440 / 2405-8440
44	Kshirsagar Sanjay Jayprakash	An insight to development and in-vitro, ex-vivo, in-vivo study of naringenin nanoparticles against letrozole induced polycystic ovarian syndrome in female wistar rats	Journal of Drug Delivery Science and Technology	90 & 105123	2023	2588-8943 / 2588-8943
45	Kshirsagar Sanjay Jayprakash	Formulation, Development and Characterization of PLGA-Luliconazole Nanoparticles Loaded Gel System for Topical Fungal Treatment	Ind. J. Pharm. Edu. Res	58 & 187195	2023	0019-5464 / 0019-5464
46	Kshirsagar Sanjay Jayprakash	Fabrication of Amisulpride Nanosuspension for Nose to Brain Delivery in the Potential Antipsychotic Treatment	BIOSCIENCES BIOTECHNOLOGY RESEARCH ASIA	21 & 109121	2024	0973-1245 / 0973-1245



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47	Chhajed Santosh Subhash	HPLC Method Development, Validation and Application to Determining In-Vitro Effect of Levofloxacin on the Availability of Gliclazide	Pharmaceutical Chemistry Journal	57 & 445	2023	NA / 0023-1134
48	Chhajed Santosh Subhash	Formulation, Development and Characterization of PLGA-Luliconazole Nanoparticles Loaded Gel System for Topical Fungal Treatment	Indian Journal of Pharmaceutical Education and Research	58 & 187	2024	NA / 00195464
49	Sable Rahul Ramakant	Evaluation of Hepatoprotective and Nephroprotective Effect of α -Pinene on Wistar Albino Rat	Biomedical and Pharmacology Journal	16 & 9	2023	- / 2456-2610
50	Laddha Umesh Dilip	An overview of the implementation of SeDeM and SSCD in various formulation developments	International Journal of Pharmaceutics	635 & 15	2023	0378-5173 / 1873-3476
51	Laddha Umesh Dilip	Overview of phytosomes in treating cancer: Advancement, challenges, and future outlook	Heliyon	9 & 20	2023	- / 2405-8440
52	Laddha Umesh Dilip	Extraction of rutin from tagetes erecta (Marigold) and preparation of peroral nano-suspension for effective antitussive/expectorant therapy	Carbohydrate Polymer Technologies and Applications	5 & 10	2023	- / 2666-8939
53	Laddha Umesh Dilip	Dry Powder Inhaler with the technical and practical obstacles, and forthcoming platform strategies	Journal of Controlled Release	355 & 20	2023	0168-3659 / 1873-4995
54	Laddha Umesh Dilip	Development of surface modified nanoparticles of curcumin for topical treatment of diabetic retinopathy: In vitro, ex vivo and in vivo investigation	Journal of Drug Delivery Science and Technology	76 & 10	2023	2588-8943 / 1773-2247



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55	Laddha Umesh Dilip	Fabrication of nanoparticulate system for oral delivery of Naringenin against paraquat-induced Parkinson's disorder in Wistar rats	European Journal of Medicinal Chemistry Reports	8 & 12	2023	- / 2772-4174	
8. Research Projects/Schemes Undertaken by Teachers (2023-2024)							
Sr. No.	Name of the Investigator(s)	Faculty	Title of the Research Project/Scheme	Name of the Funding Agency	Duration of the Project/Scheme	Amount Sanctioned (Rs.)	Major/Minor
1	Dr Santosh Chhajed	Pharmacy	Synthesis of dimethylaminobenzoic acid from param	Other	08/09/2022-08/10/2022	10000	Minor
2	Dr Santosh Chhajed	Pharmacy	Sensing Disease with Ease Using Voice Analytics an	Other	15/02/2023-31/03/2023	100000	Minor
3	Dr Umesh D Laddha	Pharmacy	Development of Ginseng Nanoparticles	Other	23/09/2023-23/09/2024	500000	Major
4	Sandeep Suresh Sonawane	Pharmacy	Study on Approaches to expedite and simplify force	Other	21/01/2008-20/01/2010	150000	Minor
9. Teachers Attended Conferences, Seminars, Symposia, Workshops etc. (2023-2024)							
Sr. No.	No. of Teachers Attended State Level		No. of Teachers Attended National Level		No. of Teachers Attended International Level		
1	1		12		0		
10. No. of Collaboration with International Institute/Colleges/University Department during the Year (2023-2024)							
Sr. No.	MoU	Exchange Program		Exchange of Teachers		Franchise	
1	3	0		0		0	
11. Grants Sanction for Funding Agency (2023-2024)							
Sr. No.	UGC	DST/DBT/B.Voc.	CE/CPE	S.P. Pune University		Any Other	
1	0	0	0	1		2	



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12. Faculty Wise Enrollment Of Students (2023-2024)													
Faculty	Sex	Open	Sc	ST	DT(A)	NT	NT(B)	NT(C)	NT(D)	OBC	SBC	Physically Challenged	Total
		Pharmacy	FEMALE	42	16	6	3	0	2	7	5	55	1
MALE	23		13	4	2	0	1	1	3	33	0	0	80
	0		1	0	0	0	0	0	0	0	0	1	2
TOTAL		65	30	10	5	0	3	8	8	88	1	1	219

13. Statistical Information about Teacher for Academic Year (2023-2024)							
Sr.No.	Category	Granted			Non Granted		
		Male	Female	Total	Male	Female	Total
1	NT(C)	0	0	0	0	1	1
2	NT(D)	0	0	0	0	2	2
3	OBC	0	0	0	4	3	7
4	OPEN	0	0	0	11	9	20
5	SC	1	0	1	4	2	6
	Total	1	0	1	19	17	36

14) Environment Conservation :

Tree Plantation Drive :

Number of Programmes Arranged	Number of Trees Planted
1	50

River Conservation :

Number of Programmes Arranged

Total Number of Participants



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0	0
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Soil Conservation :

Number of Programmes Arranged	Total Number of Participants
0	0

Water Conservation :

Number of Programmes Arranged	Total Number of Participants
0	0

Any Other :

Name of Programmes Arranged	Number of Programmes Arranged	Total Number of Participants
0	0	0

15) Sports Competition :

Type	Total Number of Programs Arranged	Total Numbers of participants In each program	Total Number of Award Win(Upto Third Rank)
CollegeLevel	12	605	36
StateLevel	0	1	1
NationalLevel	0	0	0
InternationalLevel	0	0	0
UniversityLevel	0	0	0

16) New Voter Registration Campaign :

Total Number of Programs Arranged	Total Number of Participants
0	0

17) Cultural Activities :



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Activity Type	Level	Total number of Competitions Arranged	Total number of Participants
Oratorical Competition	CollegeLevel	4	78
Debate Competition	CollegeLevel	1	8
Dance Competition	CollegeLevel	3	70
Oratorical Competition	UniversityLevel	0	0
Oratorical Competition	StateLevel	0	0
Oratorical Competition	NationalLevel	0	0
Debate Competition	UniversityLevel	0	0
Debate Competition	StateLevel	0	0
Debate Competition	NationalLevel	0	0
Dance Competition	UniversityLevel	0	0
Dance Competition	StateLevel	0	0
Dance Competition	NationalLevel	0	0

18) Blood Donation Campaign :

Total Number of Campaigns Arranged	Total Number of Participants	Total Units of Blood Collected
1	26	26

19) Cleanliness Campaign :

Total Number of Campaigns Arranged	Total Number of Participants
1	50

20) Women Empowerment & Security:

Total Number of Programs Arranged	Total Number of Participants
4	539

21) Seminar :

University Level :



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Total Number of Seminars Arranged	Total Number of Participants
0	0

State Level :

Total Number of Seminars Arranged	Total Number of Participants
15	5128

National Level :

Total Number of Seminars Arranged	Total Number of Participants
0	0

International Level :

Total Number of Seminars Arranged	Total Number of Participants
0	0

22) Placement Activity :

No. of Campus Drives	No. of Student Participants in Campus Drives	No. of companies visited for campus drives	No. of Student Placed (UG)	No. of Student Placed (PG)	Total Number of Placements done
7	55	3	10	30	40

23) Student Exchange and Faculty Exchange Program :

Total Number of Student Exchange Programs Arranged	Total Number of Students went under Student Exchange Program	Total Number of student Participated in Student Exchange	Total Number of student hosted from other MSBTE SAP
0	0	0	0
Total Number of Faculty Exchange Programs Arranged	Total Number of Students went under Teachers Exchange Program	Total Number of Faculty Participated in Faculty Exchange	Total Number of Faculty hosted from other MSBTE TAP
0	0	0	0

24) Constitution Week Campaign :

Total Number of Programs Arranged	Total Number of Participants
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1	78
25) Conduction of value Enhancement Courses (Swayam,Other,Cyber Security):	
Total Number of Programs Arranged	Total Number of Participants
1	513

26) Memorendum of Understanding :

Internship MOU :

During the Year	Total
0	3

National / Collaboration MOU :

Number of MoUs	Total
1	3

International / Collaboration MOU :

Number of MoUs	Total
0	0

27) Mental health Awareness Campaign :

Total Number of Programs Arranged	Total Number of Participants
2	370

28) Research Paper Patent :

Total Number of Research Paper Published in peer reviewed Journals	Total Number of Research Paper Published in UGC CARE listed Journals	Total Number of Patent Registered
25	20	11

29) Institutional Award College/Institute :

Regional	National	International



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0	0	0
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30) Awards :

	Faculty Awards	Student Awards
Regional	0	2
National	0	4
International	1	0

31) Academic Excellence:

Faculty Research	Peer Recived	UGC Care
Scopes/Web of square similar		
41	46	0
Student Research	25	

32) Grant:

Research	4	Other	1
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33) Paper Publication:

Dessrtation at Masters Level	58
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Date : 14/11/2024

Place : Nashik



Signature
HOD/Principal/Director

PRINCIPAL
MET's Institute of Pharmacy
Adgaon, Nashik-3.