

BIOGRAPHICAL SKETCH

1. GENERAL PARTICULARS



Name: Dr. Bharat Bajarang Ballal

Qualification: M.Sc. (Microbiology), Ph.D., SET (Life Sciences), PGDHE, DIPR, MS-CIT

Designation: Principal, Shikshan Mandal's, Mahila Mahavidyalaya Karad

Date of Birth: 15th August 1969

2. EDUCATIONAL DETAILS (GRADUATION ONWARDS)				
S. No.	Institution	Degree Awarded	Year	Field of Study
1.	Shivaji University Kolhapur	B.Sc. Microbiology	1991	Microbiology
2.	Shivaji University Kolhapur	M.Sc. Microbiology	1993	Microbiology
3.	IGNOU (Indira Gandhi National Open University)	P.G.D.H.E. (Post Graduate Diploma in Higher Education)	2002	Higher Education
4.	University of Pune	SET Exam.	2006	Life Sciences
5.	New Law College, Pune	D.I.P.R. (Diploma in Intellectual Property Rights)	2009	Intellectual Property
6.	Maharashtra State Board of Technical Education	MS-CIT	2008	Information Technology
7.	Bharati Vidyapeeth (Deemed to be University),Pune, India	Ph.D. (Microbiology)	2017	Microbiology, Immunology and Virology

RESEARCH / FELLOWSHIP / RESEARCH TRAINING PROGRAM:

Sr. No.	Research	Title of Work / Thesis	University / Institute
1.	Ph.D.	Studies on potential biological immunomodulators in HIV infected individuals.	Bharati Vidyapeeth (Deemed to be University)
2.	Research Training Program/Project	Study of Immunomodulating and antiviral properties of plants	UGC New Delhi
3.	Ongoing	Development of Gamma Prototype of Biological Waste Incinerator	Biotechnology Industry Research Assistance Council (BIRAC), New Delhi

EXPERIENCE:

Sr. No.	Designation	Name of Employer	Salary with Grade Pay/ Academic Level	Date of		Experience in years
				Joining	leaving	
1	Lecturer	P.S.G.V.P.Mandal's Arts, Science and Commerce College, Shahada, Dist Dhule. (North Maharashtra University, Jalgaon)	Basic pay 2275/-	06.09.1993	31.07.1995	02 Years
2	Associate Professor	Yashwantrao Mohite College of Arts, Science and Commerce, Pune-411038 (University of Pune and Bharati Vidyapeeth Deemed to be	13A	01.08.1995	03.08.2021	26 Years

		University,Pune,India)				
3	Associate Professor	Dr. Patangrao Kadam Mahavidyalay Sangali (Shivaji University, Kolhapur)	13A	04.08.2021	18.06.2025	3.10 Years
4	Principal	Shikshan Mandal's, Mahila Mahavidyalaya, Karad		19.06.2025	In position	
Total Experience as on 6 th July 2025						31 years and 10 Months

ORIENTATION / REFRESHER / SHORT TERM COURSE COMPLETED:

Summary:

Title	Total no.
Refresher courses	04
Orientation course	01
Faculty Development Programs	06

Details:

Sr. No.	Course	Duration	University / Institute
1	Completed refresher course in 'Environmental Science (Microbiology.) conducted by UNIVERSITY OF PUNE in the period of 1-12-2000 to 28-12-2000 & honored by outstanding performance (0-grade)	1-12-2000 to 28-12-2000	UNIVERSITY OF PUNE
2	Completed refresher course in 'Life-Science'	23-08-2007 to 12-09-2007	Goa University

	organized by Goa University in the period of 23-08-2007 to 12-09-2007 and honoured by “A” Grade.		
3	Completed P.G.D.H.E. course (Post Graduate Diploma in Higher Education) of I.G.N.O.U. (Indira Gandhi National Open University) equivalent to one orientation course and two refresher courses.	<p>Completed the course in December 2002.</p> <p>As per U.G.C. notification D.O. No. F.1-6/90 (ASC), September 1993, para b), the P.G.D.H.E. course of I.G.N.O.U. is equivalent to one orientation course and two refresher courses.</p> <p>As per Maharashtra State Government resolutions No. NGC-1298 /(4619)/UNI-4, dt. 11th December 1999, Page No. (8), Clause No. (13)- ii), a lecturer will be eligible for placement in a senior scale through a procedure of selection if she/he has - --“engaged in other appropriate continuing education programs of comparable quality as may be specified or approved by the University Grants Commission”.</p> <p>Thus P.G.D.H.E. of I.G.N.O.U., is appropriate education program of comparable quality as per U.G.C. notification D.O. No. F-1-6/90 (ASC), September 1993, Parab)</p>	I.G.N.O.U. (Indira Gandhi National Open University).
4	Completed Faculty Development Program (2 weeks)on ‘Managing online classes and co-creating MOOCS’, April 20 to May 6, 2020 (everyday 6 pm to 2 am flexible), organized by Ramanujan College,	April 20 to May 6, 2020	Organized by Ramanujan College, University of Delhi.

	University of Delhi.		
5	Completed Faculty Development Program (2 weeks) on 'MOOCS', May 18 To June 03, 2020 organized by Ramanujan College, University of Delhi.	May 18 to June 03, 2020	Organized by Ramanujan College, University of Delhi.
6	Completed Faculty Development Program (1 week) on 'NAAC Assessment and Accreditation', 21 st May to 25 th May 2020, (9.00 am to 2.00 pm) organized by MSP Mandal's Shri Shivaji College, Parbhani.	21 st May to 25 th May 2020	Organized by MSP Mandal's Shri Shivaji College, Parbhani.
7	Completed Faculty Development Program (2 weeks) on 'MOOCS', May 22 to June 30, 2020 (everyday 6 pm to 2 am flexible), organized by Ramanujan College, University of Delhi.	May 22 to June 30, 2020	Organized by Ramanujan College, University of Delhi.
8	Completed 02 weeks faculty Development Program on 'Research Methodology' from October 01 to October 15, 2020 organized by Ramanujan College University of Delhi.	October 01 to October 15, 2020	Organized by Ramanujan College University of Delhi.
9	Completed 02 weeks faculty Development Program on 'Research Methodology' from October 01 to October 15, 2020 organized by Ramanujan College University of Delhi.	October 29 to November 05, 2020	Organized by Ramanujan College University of Delhi.

PUBLICATIONS:

RESEARCH PAPERS IN PEER-REVIEWED OR UGC LISTED JOURNALS: (44)

Sr. No.	Title with page No.	Journal	ISSN / ISBN No.
1	Deficiency of 25 –OH Cholecalciferol, an explored factor aggregating chronic arthrititis in Chikungunya and search of its therapeutic potential,	Asian Journal of Multidisciplinary Studies, Volume I, Issue I, August 2013	ISBN 2321-8819 (Online), 2328-7186
2	Availing CBWTF to Science Colleges, a need of time. Pg. No.27-28,	Asian Journal of Multidisciplinary Studies, Volume 3 Issue 3, March 2015, 2348-7186	ISBN 2321-8819 (Online), 2328-7186
3	Rifamycin induced fatal ventricular tachycardia, a case study, Pg. No.106-107	‘Asian Journal Of Multidisciplinary Studies’, 5(3),	ISBN 2321-8819(Online), 2328-7186 (Print), 03.03.2017.
4	Immunomodulatory activities of blended formulation of <i>Chlorophytum borivilianum</i> , <i>Withania somnifera</i> , <i>Wagatia spicata Dalz</i> , <i>Picrorrhiza kurroa</i> and <i>Spilanthes paniculata</i> , Pg. No. 26-28	Asian Journal of Multidisciplinary Studies, 3(11), , 2015.	ISBN 2321-8819
5	"Subway foods: A mean to dangerous food borne and nosocomial infections", Pg. No. 46-49.	Research & Reviews: Journal of Food Science & Technology, December 2013,	-
6	Effect of blended formulations of selected biological immunomodulators on ‘Absolute CD ₄ count in HIV 1 infected individuals following Phase II human clinical trials.,	International Journal of current research, July 2017, H index 6, ICV 72.25	ISSN: 0975-833X,9(07), 54902-54905,
7	Evaluation of selected medicinal plants for their potential antimicrobial activities against ESKAPE pathogens and the study of P-Glycoprotein related antibiosis, an indirect	International Journal of Recent Scientific research, Volume 9, Issue 11(A), pp 29461-	ISBN 0976-3031,

	<p>approach to assess efflux mechanism.</p> <p>pp 29461-29466</p>	<p>29466, Impact factor 7.383, UGC approved list number : 46629, ICV: 81.25, H Index: 14, NAAS Score: 3.65, I₁₀ Index: 37</p>	
8	<p><i>Acinetobacter baumannii</i>: A contributing factor for progression of ‘Interstitial Lung Disease’, a case study.</p> <p>Pg. No. 161-164</p>	<p>International Journal of Advanced Research in Biological sciences’, ISBN 2348-8069, 4(2), 161-164, 01-03-2017, Impact Factor 6.433, Index Copernicus- 83.08</p>	<p>ISBN 2348-8069,</p>
9	<p>‘Neutrophil Adhesion Test’ as a tool for assessment of immunomodulatory activities of blended formulation of <i>Chlorophytum borivilianum</i>, <i>Withania somnifera</i>, <i>Wagatia spicata</i> Dalz, <i>Picrorrhiza kurroa</i> and <i>Spilanthes paniculata</i>,</p> <p>Pg.No.97-201</p>	<p>International Journal of Advanced Research in Biological Sciences, Issue No. 2(11),2015 (ISBN 2348-8069), IF 6.433. Index Copernicus 83.08</p>	<p>(ISBN 2348-8069),</p>
10	<p>‘Study of absolute CD₄ count in the HIV-1 (c-strain) infected individuals following therapy of non toxic herbal extracts of <i>Phyllanthus reticulatus</i>, <i>Tinospora cordifolia</i> and two other novel drugs’.</p> <p>Pg. No. 18,</p>	<p>Advanced biotech, Vol-III, Issue 7, January 2005,</p>	<p>ISSN-0973-0109.</p>
11	<p>The study of Thrombocyte count in the HIV-1 (c-strain) infected individual following therapy of non-toxic, herbal extracts of <i>Phyllanthus reticulatus</i>, <i>Tinospora cordifolia</i> and two other novel drugs, Page No. 19,</p>	<p>Advanced biotech, Vol-III, Issue 7, January 2005,</p>	<p>ISSN-0973-0109.</p>
12	<p>‘Study of absolute CD₄ count and plasma homocysteine in the HIV-1 (c-strain) infected individuals following therapy of Non-toxic extracts of <i>Phyllanthus reticulatus</i>, <i>Tinospora cordifolia</i> and two other novel drugs’</p> <p>Page No. -143</p>	<p>-American society for microbiology (ASM) final programme book for 104th General meeting (May 23-27, 2004) and full length research paper was published online on the web site</p>	<p>ISBN-1-555-81-313-5</p>

		www.asm.org	
13	‘Invention of herbal drug against HIV infection /AIDS’. Pg. No. 855	The Patent Office, Journal dt. 13/01/2006.	-
14	‘Study of immunomodulating, biochemical, and antiviral properties of <i>Phyllanthus reticulatus</i> , <i>Tinospora cordifolia</i> , <i>Chlorophytum borivilinum</i> , <i>Wagatia spicata</i> Dalz and Two other patented novel herbs in the HIV-1 (c-strain) infected individuals’, Pg. No. 87	Bharati Vidyapeeth University Research Journal Vol-V, Number-1, April 2007,	-
15	Invention of immunomodulating agent against HIV infection/AIDS’, Pg. No. 19980	Issue no. 46/2011, The Patent Office Journal, dt.18/11/2011.	-
16	‘Invention of improved process for obtaining <i>Piper longum</i> derived product having distinct properties with respect to enhancement of spermatogenesis process. Pg.No.28440	1632/MUM/2013, The Patent Office Journal, Issue 11/2015 dt. 13/03/2015, Issue 11/2015 dt. 13/03/2015, pg.no.28440	-
17	‘Invention of <i>Picrorrhiza kurroa</i> derived product having distinct properties with respect to augmentation of spermatogenesis process’ 1633/MUM/2013, Pg.No.28443,	The Patent Office Journal, Issue 11/2015 dt. 13/03/2015, Issue 11/2015 dt. 13/03/2015, pg.no.28443	-
18	‘Novel product obtained from <i>Chlorophytum borivilianum</i> , <i>Piper longum</i> , <i>Picrorrhiza kurroa</i> , by using innovative steps and the unique blending process for enhancement of spermatogenesis process’,1634/MUM/2013, Pg.No.28444	The Patent Office Journal, Issue 11/2015 dt. 13/03/2015, pg.no.28444, Issue 11/2015 dt. 13/03/2015,	-

19	Invention of <i>Chlorophytum borivilianum</i> derived product having distinct properties with respect to enhancement of spermatogenesis process. 1635/MUM/2013, Pg .No.33581	The Patent Office Journal, ,Issue 19/2015 dt. 8/05/2015,	-
20	Invention of mast cell stabilizing properties of <i>Piper longum, Aloe vera, Cynodon dactylin and Cymbopogon citratus</i> Application No. 1803/MUM/2015,6/5/2015, Pg.No.35070	The Patent Office Journal ,Issue 21/2015 dt. 22/05/2015,	-
21	Study of the effect of biological immunomodulators on percent Neutrophil count in Albino Mice	Proceeding of National Conference on 'Recent Trends in Physical, Chemical and Biosciences' (RTPCB-2016), 16 th Dec. 2016.	ISBN: 978-93-81249-24-6, BPP-18,122,
22	Multiunit aseptic chamber,	The Patent Office Journal, volume number 40/2018, dt. 5/10/2018, pp 38809	-
23	Cylindrical sanitary pad incinerator, Pg. No. 47051	The Patent Office Journal, volume number 49/2018, dt. 7/12/2018,	-
24	Chromatography column with perforated gel slot,	The Patent Office Journal, volume number-17/2019 dt. 26/04/2019.	-
25	Hospital bed with adjustable inbuilt commode Pg.No. 40477	The Patent Office Journal, volume number-35/2019 dt. 30/08/2019	-
26	Incinerator for biological waste, Pg. No. 39583	The Patent Office Journal, volume number 35/2019, dt. 30/08/2019	-
27	Incinerator for biological waste	Journal of 'International Bureau of the World Intellectual Property Organization (WIPO)	-

		International publication number WO 2021/028729A1	
28	Innoculating loop for microbial isolation Pg. No. 59534	The Patent Office Journal, volume number 47/2020, dt. 20/11/2020	-
29	Study of Air Microflora in the vicinity of Common Biomedical Waste Facility Center, Govandi, Mumbai and its impact on community health.	Research Journal of Life Sciences, Bioinformatics, Pharmaceutical and Chemical Sciences. Jan-Feb 2022,8(1),pp 90-95	ISSN 2454-6348,DOI:10.26479/2022.0801.07
30	Isolation of potential pathogens from used and shared cigarettes: A public health concern.	Research Journal of Life Sciences, Bioinformatics, Pharmaceutical and Chemical Sciences. May-June 2022,8(3),pp 61-65	ISSN 2454-6348,DOI:10.26479/2022.0803.06
31	Impact intensity reducing mobile phone body Pg. No. 65324	The Patent Office Journal, volume number 41/2022, dt. 14/10/2022	-
30	A Device for investigating cell movement Pg. No. 2937	The Patent Office Journal, volume number 02/2023, dt. 13/01/2023	-
31	Isolation and Identification of potential pathogens from used and unused panty liners: A comparative study	Research Journal of Life Sciences, Bioinformatics, Pharmaceutical and Chemical Sciences. July-August 2023,9(4),pp 113-117	ISSN 2454-6348, DOI:10.26479/2023.0904.05
32	A device for investigating cell movement	Journal of 'International Bureau of the World Intellectual Property Organization (WIPO) International publication number WO 2024/127090 A1, Dt. 20 June 2024	-

33	Isolation of potential pathogens from packed talcum powder	Proceeding Publication with ISBN Number 978-93-342-2128-2 for International Conference entitled 'BIOMAKE IN INDIA-II' organized by Krishna Institute of Allied Sciences, Karad Dt. 19yh-21 st January 2025, Pg No. 43	ISBN Number 978-93-342-2128-2
34	Preparation of modified coriander seed agar for isolation of fungi	Proceeding Publication with ISBN Number 978-93-342-2128-2 for International Conference entitled 'BIOMAKE IN INDIA-II' organized by Krishna Institute of Allied Sciences, Karad Dt. 19yh-21 st January 2025, Pg No. 46	ISBN Number 978-93-342-2128-2
35	Isolation of potential pathogens from used and unused menstrual cups	Proceeding Publication with ISBN Number 978-93-342-2128-2 for International Conference entitled 'BIOMAKE IN INDIA-II' organized by Krishna Institute of Allied Sciences, Karad Dt. 19yh-21 st January 2025, Pg No.57	ISBN Number 978-93-342-2128-2
36	Isolation of potential pathogens from used and unused panty liners.	Proceeding Publication with ISBN Number 978-93-342-2128-2 for International Conference entitled 'BIOMAKE IN INDIA-II' organized by Krishna Institute of Allied Sciences, Karad Dt. 19yh-21 st January 2025, Pg No.63	ISBN Number 978-93-342-2128-2
37	Isolation of potential pathogens from unused and packed male contraceptives.	Proceeding Publication with ISBN Number 978-93-342-2128-2 for International Conference entitled 'BIOMAKE IN INDIA-II' organized by Krishna Institute of Allied Sciences, Karad Dt. 19yh-21 st January	ISBN Number 978-93-342-2128-2

		2025, Pg No. 65	
38	Isolation of protease producing bacteria from meat cutting area.	Proceeding Publication with ISBN Number 978-93-342-2128-2 for International Conference entitled 'BIOMAKE IN INDIA-II' organized by Krishna Institute of Allied Sciences, Karad Dt. 19yh-21 st January 2025, Pg No. 72	ISBN Number 978-93-342-2128-2
39	Antibacterial activity of betel leaf extract and nanoparticles.	Proceeding Publication with ISBN Number 978-93-342-2128-2 for International Conference entitled 'BIOMAKE IN INDIA-II' organized by Krishna Institute of Allied Sciences, Karad Dt. 19yh-21 st January 2025, Pg No. 73	ISBN Number 978-93-342-2128-2
40	Isolation and identification of oil degrading bacteria from soil sample	Proceeding Publication with ISBN Number 978-93-342-2128-2 for International Conference entitled 'BIOMAKE IN INDIA-II' organized by Krishna Institute of Allied Sciences, Karad Dt. 19yh-21 st January 2025, Pg No. 73	ISBN Number 978-93-342-2128-2
41	Antibacterial activity of <i>Caesalpinia bonduc</i> leaves extract.	Proceeding Publication with ISBN Number 978-93-342-2128-2 for International Conference entitled 'BIOMAKE IN INDIA-II' organized by Krishna Institute of Allied Sciences, Karad Dt. 19yh-21 st January 2025, Pg No. 74	ISBN Number 978-93-342-2128-2
42	Fermentation dynamics in the production of wine from wood apple (<i>Limonia acidissima</i>)	Proceeding Publication with ISBN Number 978-93-342-2128-2 for International Conference entitled 'BIOMAKE IN INDIA-II' organized by Krishna Institute of Allied Sciences, Karad	ISBN Number 978-93-342-2128-2

		Dt. 19yh-21 st January 2025, Pg No.	
43	Isolation of potential pathogens from used and shared cigarettes.	Proceeding Publication with ISBN Number 978-93-342-2128-2 for International Conference entitled 'BIOMAKE IN INDIA-II' organized by Krishna Institute of Allied Sciences, Karad Dt. 19yh-21 st January 2025, Pg No. 88	ISBN Number 978-93-342-2128-2
44	Biomedical Waste Incinerator	The Patent Office Journal, volume number 11/2025, dt. 14/03/2025, pg no. 25907	- ISBN Number 978-93-342-2128-2

DATABASE PUBLICATIONS: (17)

Online publications of 16S ribosomal RNA gene sequences at National Centre For Biotechnology Information (NCBI) Database, Bethesda US, European Molecular Biology Laboratory (EMBL) and DNA Database of Japan (DDBS) as follow:

Sr. No.	Title of the Database Publication	Publication Date	Domain	Contribution of the teacher
1.	<i>Bacterium</i> BVDU01-BS-MAR-313-LIP03 (NEWLY INVENTED BACTERIUM)	17.12.2012	www.ncbi.nlm.nih.gov/nuccore/KC130881 <u>1</u>	Principal Investigator
2.	<i>Bacillus anthracis</i> strain ATCC 14578	17.12.2012	www.ncbi.nlm.nih.gov/nuccore/KC119183 <u>1</u>	Principal Investigator
3.	<i>Bacillus endophyticus</i> strain BVDU01-BRAS008-CON 7	17.12.2012	www.ncbi.nlm.nih.gov/nuccore/KC130874 <u>1</u>	Principal Investigator
4.	<i>Enterobacter</i>	17.12.20	www.ncbi.nlm.nih.gov/nuccore/KC130875	Principal

	<i>cloacae</i> strain BVDU01-RB- SAM-005- VEGRC01	12	1	Investigat or
5.	<i>Aeromonas hydrophila</i> strain BVDU01-BS- RAM-003- PANPO3	17.12.20 12	www.ncbi.nlm.nih.gov/nuccore/KC130876 1	Principal Investigat or
6.	<i>Acinetobacter calcoaceticus</i> strain BVDU01- BA-MSR-041- PANG02	17.12.20 12	www.ncbi.nlm.nih.gov/nuccore/KC130877 1	Principal Investigat or
7.	<i>Micrococcus yunnanensis</i> strain BVDU01-MB- RSA-009-CON9	17.12.20 12	www.ncbi.nlm.nih.gov/nuccore/KC130878 1	Principal Investigat or
8.	<i>Pseudomonas stutzeri</i> strain BVDU01-BAR- MS 073-LIP01	17.12.20 12	www.ncbi.nlm.nih.gov/nuccore/KC130879 1	Principal Investigat or
9.	<i>Bacillus pumilus</i> strain BVDU01- BM-ARS-013- LIP02	17.12.20 12	www.ncbi.nlm.nih.gov/nuccore/KC130880 1	Principal Investigat or
10.	<i>Pseudomonas koreensis</i> strain SGM-BVDU-PK- VBRAS-C1/S	08.11.20 15	www.ncbi.nlm.nih.gov/nuccore/KR868725.1	Principal Investigat or
11.	<i>Enterobacter cloaca</i> strain BY1	17.12.20 12	www.ncbi.nlm.nih.gov/nuccore/JQ766938	Principal Investigat or
12.	<i>Exiguobacterium mexicanum</i> strain BVU3	15.06.20 16	www.ncbi.nlm.nih.gov/nuccore/KX170833	Principal Investigat or
13.	<i>Acinetobacter variabilis</i> strain BVU4	15.06.20 16	www.ncbi.nlm.nih.gov/nuccore/KX170834	Principal Investigat or
14.	<i>Bacillus flexus</i> strain BBB-1	29.01.20 17	www.ncbi.nlm.nih.gov/nuccore/KX192361	Principal Investigat or
15.	<i>Rhizobium nepotum</i> strain	29.01.20	www.ncbi.nlm.nih.gov/nuccore/KX192362	Principal Investigat

	BBB-2	17		or
16.	<i>Citrobacter europaeus</i> Strain 97/99 (T)	07.02.20 19	https://www.ncbi.nlm.nih.gov/sra/?term=P RJNA506888	Principal Investigator
17.	Isolation and characterization of drug resistant pathogens from fresh meat samples collected from slaughter houses	09.02.20 19	SRX 5059812 NCBI DATABASE ACCESSION NUMBER	Principal Investigator

PUBLICATIONS (OTHER THAN RESEARCH PAPERS)

BOOKS AUTHORED:

Sr. No.	Title	Type of Book International /National / Chapter in Edited Book / Editor of Book by International / Editor of Book by National Publisher	Publisher & ISBN No.	Page No.
1.	Aarogyita (Savdhan! AIDS cha Vishanu Sankramanaache Maarg Badltoy....)	Edited book	-Late Rajaram Tukaram Bhoite Smruti Arogya Pratishthan	252-256
2.	Manual for Bioassays and their Applications	National and published by Yashwantrao Mohite College	Yashwantrao Mohite College	257-259
3.	आई नावाच गाव	Published by Chetak Books	978-93-92823-36-7	96

OTHER PUBLICATIONS:

Sr. No.	Name of the article	Name of the newspaper
1	Marathi newspaper article	Sakal , Satara Edition dt 27/12/2006
2	AIDS: Gairsamaj aani vaastav	Pune Lokmat dt 21/06/2007
3	Savdhan! AIDS cha Vishanu Sankramanaache Maarg Badltoy....	Dainik Prabhat dt 14/07/2009
4	Now, a herbal drug to boost HIV patients' immunity	Sakal Times 07/03/2011

5	Files of ICU patients, a major source of infection	Sakal Times dt. 12/04/2011
6	Pilot study finds pathogens inside state transport buses	Sakal Times dt. 30/07/2012
7	Safe sex is at high risk	Pune Mirror dt 12/07/2013
8	Red signals danger for lipstick lover: study	Pune Mirror dt. 29/08/2013
9	New W.H.O. guidelines may necessitate hike in HIV drug supply	Pune Mirror dt. 06/07/2013
10	Pune based Scientists develop incinerator for sanitary pads	Sakal Times dt. 24/12/2018
11	Faculty.....disposal machine	The Indian Express Jan 2019
12	Incinerator that destroys sanitary pads and pathogens	Gomantak Times dt. 05/01/2020
13	Invention of Incinerator	Lokasatta Pune 26.01.2024

Creation of ICT mediated Teaching Learning pedagogy and content and development of new and innovative courses and curricula

(a) Development of Innovative pedagogy:

Sr. No.	Method used for innovative pedagogy	Description	Class for which methodology was used
1.	Cutting Edge Pedagogy (ref. NEP guidelines for Innovative Pedagogical Approaches and Evaluation Reforms)	Participated in hands on work shop on PCR and Fermentation technology dt. Feb 25,26,27-2008 at MITCON, PUNE.	M.Sc.
2.	Cutting Edge Pedagogy (ref. NEP guidelines for Innovative Pedagogical Approaches and Evaluation Reforms)	Attended and participated in CME on Molecular Diagnostics dt. Feb 6 and 7, 2010 at YASHADA PUNE.	M.Sc.
3.	Flipped classroom pedagogy	Participated in online National workshop on Elsevier tools organized by Elsevier dt. April 25, 2020	B.Sc. and M.Sc.
4.	An Integrated Learning Pedagogy	Participated in live demonstration of COVID-19 Lab parameters organized by	B.Sc. and M.Sc.

		Transasia Biomedicals Ltd. Dt. May 06-2020	
5.	Art integrated learning pedagogy	Participated in IQAC Cluster guidance webinar organized by white code dt. May 08, 09, 10, 11-2020	B.Sc. and M.Sc.
6.	Cutting Edge Pedagogy	Participated in International training program on Global Food Security dt. May 28-2020, organized by Asian PGPR Society	B.Sc. and M.Sc.
7.	Cutting Edge Pedagogy	Participated in two weeks program on managing online classes dt. May 18 to June 3-2020	B.Sc. and M.Sc.
8.	Cutting Edge Pedagogy	Participated in one week program on advanced pedagogical techniques dt. Oct 29- Nov 05-2020	B.Sc. and M.Sc.
9.	Project based learning pedagogy	Participated in two weeks program on research methodology dt. Oct 01-Oct 15 -2020	B.Sc. and M.Sc.
10.	Cutting Edge Pedagogy	Participated in national workshop on fine tuning research planningSCOPUS and MENDELy dt April 25-2020	B.Sc. and M.Sc.
11.	Project based learning pedagogy	Participated in hands on training work shop on science laboratory equipments and instrumentation dt. 31/08/2024	B.Sc. and M.Sc.
12.	Project based learning pedagogy	Improving Innovation and Entrepreneurship Performance pogram dt. Oct. 07-2022, organized by Venture NCL	B.Sc. and M.Sc.
13.	Flipped classroom	Conducted online lecture on 'Intellectual Property Right' dt. 28/01/2020	For the scholars of Life Sciences
14.	Flipped classroom	Circulated Whatsapp notes and references	.B.Sc. II
15.	Flipped classroom	Circulated Whatsapp notes and references	M.Sc.- II

16.	Flipped classroom	Circulated Whatsapp notes and references	B.Sc.III
17.	Kinesthetic learning	Conducted practical based project named isolation of <i>Bacillus megaterium</i> by using MALDI TOF	M.Sc.-II
18.	Kinesthetic learning	Conducted practical based project named isolation of <i>Lactobacillus paraplantarum</i> by using MALDI TOF	M.Sc.-II
19.	Kinesthetic learning	Conducted practical based project named isolation of <i>Acinetobacter indicus</i> by using MALDI TOF	M.Sc.-II
20.	Kinesthetic learning	Conducted practical based project named isolation of <i>Bacillus flexus</i> by using MALDI TOF	M.Sc.-II
21.	Kinesthetic learning	Conducted practical based project named isolation of <i>Escherichia coli</i> by using MALDI TOF	M.Sc.-II
22.	Kinesthetic learning	Conducted practical based project named isolation of <i>Ascinetobacter indicus</i> by using MALDI TOF	M.Sc.-II
23.	Kinesthetic learning	Conducted practical based project named isolation of <i>Staphylococcus arlettae</i> by using MALDI TOF	M.Sc.-II
24.	Kinesthetic learning	Conducted practical based project named isolation of <i>Candida metapsilosis</i> by using MALDI TOF	M.Sc.-II
25.	Kinesthetic learning	Conducted practical based project named isolation of <i>Klebsiella pneumoniae</i> by using MALDI TOF	M.Sc.-II
26.	Kinesthetic learning	Conducted practical based project named isolation of <i>Arthrobacter tumbae</i> by using MALDI TOF	M.Sc.-II
27.	Kinesthetic learning	Conducted practical based project named isolation of	M.Sc.-II

		<i>Bacillus pumilus</i> by using MALDI TOF	
28.	Kinesthetic learning	Conducted practical based project named isolation of <i>Micrococcus endophyticus</i> by using MALDI TOF	M.Sc.-II
29.	Kinesthetic learning	Conducted practical based project named isolation of <i>Janibacter indicus</i> by using MALDI TOF	M.Sc.-II
30.	Kinesthetic learning	Conducted practical based project named isolation of <i>Exiguobacterium artemiaa</i> by using MALDI TOF	M.Sc.-II
31.	Kinesthetic learning	Conducted practical based project named isolation of <i>Salmonella</i> by using MALDI TOF	M.Sc.-II
32.	Kinesthetic learning	Isolation of <i>Staphylococcus haemolyticus</i> from hospital beds	M.Sc.-I
33.	Kinesthetic learning	Isolation of <i>Pseudomonas stutzeri</i> from hospital beds	M.Sc.-I
34.	Kinesthetic learning	Isolation of <i>Staphylococcus epidermidis</i> from hospital beds	M.Sc.-I
35.	Kinesthetic learning	Isolation of <i>Pseudomonas fluorescens</i> from saline stands of the hospital	M.Sc.-I
36.	Kinesthetic learning	Isolation of <i>Pseudomonas aeruginosa</i> from unused sanitary pads	M.Sc.-I
37.	Kinesthetic learning	Isolation of <i>Staphylococcus saprophyticus</i> from AC VENTS OF STATE TRASPORT VEHICLES.	M.Sc.-I
38.	Kinesthetic learning	Isolation of <i>Pantoea agglomerans</i> from unused and packed cosmetics.	M.Sc.-I
39.	Kinesthetic learning	Isolation of <i>Acinetobacter iwoffii</i> from AC VENTS OF STATE TRASPORT VEHICLES	M.Sc.-I
40.	Kinesthetic learning	Isolation of <i>Micrococcus spp.</i>	M.Sc.-I

		<i>from AC VENTS OF STATE TRASPOT VEHICLES</i>	
41.	Kinesthetic learning	Isolation of <i>Klebsiella aerogenes</i> from used sanitary pads, as an endeavor to explore normal flora of genital tract of females	M.Sc.-I
42.	Kinesthetic learning	Isolation of <i>Enterobacter cloaca</i> from used sanitary pads, as an endeavor to explore normal flora of genital tract of females	M.Sc.-I
43.	Kinesthetic learning	Isolation of <i>Cronobacter sakazakii</i> from used sanitary pads, as an endeavor to explore normal flora of genital tract of females	M.Sc.-I
44.	Differential Instruction	Assesed students learning using formative assessment for University and mid semester examination	Ph.D, M.Sc, B,SC, Theory and Practicals
45.	Study tour on 12 January 2019	63 candidates visited Dyna Biotech to learn construction and working of laboratory fermentors	M.Sc.-I, M.Sc.-II
46.	Conducted campus drive on 8 th April 2019 in collaboration with Serum 'Institute of India'	12 candidates selected through campus drive	B.Sc., M.Sc.
47.	Cutting Edge Pedagogy	Participated and undergone training program under 'WORKSHOP ON NMR OPERATION AND ANALYSIS'. Dt. 18 th Oct.2019	Ph.D., M.Sc. and B.Sc.
48	Conducted E learning program dt 1/12/2018	Co-convener for the event	Scholars of Life Sciences
49	An Integrated Learning Pedagogy	Participated in 'Effective Research Paper Writing', the webinar organized by Career College Bhopal, Dt. 17 th May 2020	M.Sc.
50	An Integrated Learning Pedagogy	Participated in National webinar on ' Perspectives for microbiology graduates and	B.Sc. and M.Sc.

		postgraduates in industries and research. Dt. 14 th June 2020	
51	An Integrated Learning Pedagogy	Participated in webinar on ‘The impact of Research Data and Metrics’. Organized by Skyline University College dt. April 21,2020	M.Sc. and Ph.D.
52	Cutting Edge Pedagogy	Participated in National workshop on ‘Advanced Google Form Dt. May 31, 2020.	B.Sc. and M.Sc.

DESIGN OF NEW CURRICULA AND COURSES:

Following courses and curricula were designed in the capacity of Head of the Department, Microbiology for YASHWANTRAO MOHITE COLLEGE Pune. The college was only Arts, Science and Commerce College running Microbiology subject under the title of BHARATI VIDYAPEETH ,‘Deemed to be University’ ,Pune.

Sr. No	Class and Course Title	University/College
01	Class T.Y.B.Sc.- CBCS 2018, MB-51:Medical Microbiology	(BVDU) University
02	Class T.Y.B.Sc.- CBCS 2018, MB-52: Clinical Pathology	(BVDU) University
03	Class T.Y.B.Sc.- CBCS 2018, MB-53: Virology	(BVDU) University
04	Class T.Y.B.Sc.- CBCS 2018, MB-54: Genetics of Prokaryotes	(BVDU) University
05	Class T.Y.B.Sc.- CBCS 2018, MB-55: Enzyme Kinetics and Regulation	(BVDU) University
06	Class T.Y.B.Sc.- CBCS 2018, MB-56: Practical course III	(BVDU) University
07	Class T.Y.B.Sc.- CBCS 2018, MB-57: Practical course IV	(BVDU) University
08	Class T.Y.B.Sc.- CBCS 2018, MB-58: Practical course V	(BVDU) University

09	Class T.Y.B.Sc.- CBCS 2018, MB-59 A: Food and Dairy Microbiology	(BVDU) University
10	Class T.Y.B.Sc.- CBCS 2018, MB-59 B: Applied Microbiology I	(BVDU) University
11	Class T.Y.B.Sc.- CBCS 2018, UGF : Soft skills	(BVDU) University
12	Class T.Y.B.Sc.- CBCS 2018, MB-61: Chemotherapy and Biomedical Instrumentation	(BVDU) University
13	Class T.Y.B.Sc.- CBCS 2018, MB-62: Immunology	(BVDU) University
14	Class T.Y.B.Sc.- CBCS 2018, MB-63: Biotechnology	(BVDU) University
15	Class T.Y.B.Sc.- CBCS 2018, MB- 64: Genetics of Eukaryotes and Gene Manipulation	(BVDU) University
16	Class T.Y.B.Sc.- CBCS 2018, MB-65 : Microbial metabolism and Biochemical Evolution	(BVDU) University
17	Class T.Y.B.Sc.- CBCS 2018, MB- 66: Practical Course III	(BVDU) University
18	Class T.Y.B.Sc.- CBCS 2018, MB-67: Practical Course IV	(BVDU) University
19	Class T.Y.B.Sc.- CBCS 2018, MB-68: Practical Course V	(BVDU) University
20	Class T.Y.B.Sc.- CBCS 2018, MB-69 Agricultural and Environmental Microbiology	(BVDU) University
21	Class T.Y.B.Sc.- CBCS 2018, MB-69 B: Applied Microbiology II	(BVDU) University
22	Class T.Y.B.Sc.- CBCS 2018, MB-69 C: Advanced Techniques in Microbiology II	(BVDU) University
23	Ph.D. Course work Research Methodology	(BVDU) University
24	Ph.D. Course work Microbiology	(BVDU)

		University
25	M.Sc. Microbiology (NEP)	Shivai University Kolhapur

**PARTICIPATED IN SYLLABUS DESIGNING WORKSHOPS AS A MEMBER OF BOS,
'GARWARE COLLEGE PUNE. (Autonomous College).**

Sr. No.	Design of new curricula /courses
1	B.Sc. Microbiology :
2	M.Sc. Microbiology

(c) MOOCs

Sr. No.	Development of MOOCs	Title of MOOCs
1	Development of complete MOOCs in 4 quadrants (4 credit course) (In case of MOOCs of lesser credits 05 marks/ credit)	Please Refer Google class room IDs for verification Quadrant 1: e-Tutorial (video) for F.Y., S.Y., M.Sc. Quadrant 2: e-content with about 3500 words (PDF, Text, e-books, Web Resources etc.) for F.Y., S.Y., M.Sc. Quadrant 3: Assessment (Problem/solutions/MCQs/ Quizzes/Assignments) for F.Y., S.Y., M.Sc. Quadrant 4: Discussion with F.Y., S.Y., M.Sc. students.
2	MOOCs (developed in 4 quadrant) per module /lecture	Managing online classes and co-creating MOOCs. (FDP Ramanujan College April20, to May 6, 2020 National webinar E content Development Dt. 1-2 May 2020
3	Content writer/subject matter expert for each module of MOOCs (at least one quadrant)	E-Learning workshop dt 1 Dec 2018

E-Content

Sr. No.	Development of E-Content	Title of E-Content	Credits Assigned
1	Development of e-Content in 4 quadrants for a complete course/e-book	Developed E-content in 4 quadrant for e-learning workshop dt. 01/12/2018	Complete Quadrant
2	e-Content (developed in 4 quadrants) per module	Development of virtual software which was linked to www.indiamart.com	Complete Quadrant
3	Contribution to development of e-content module in complete course /paper /e-book (at least one quadrant)	Conducted 7 lectures of 'Scientific Writing' Evidence : Muster book for guest lectures	2
4	Editor of e-content for complete course/ paper /e-book	Google classroom e content, WhatsApp and Telegram Groups	10

RESEARCH GUIDANCE:

Sr. No.	Degree	No of Thesis / Dissertation Submitted
1	Ph. D.	4 on going
2.	P.G. Dissertation	23 Dissertations Submitted to Bharati Vidyapeeth (Deemed to be University), Pune and 05 Dissertations submitted to Shivaji University , Kolhapur

RESEARCH PROJECTS COMPLETED

Sr. No.	Title	Agency	Year of completion
1	Study of Immunomodulating and antiviral properties of plants	UGC New Delhi	16/03/2011 to 16/03/2013
2	Study of Immunomodulator activity of formulation	Research project no. 169, National Toxicology Centre, Pune	01/10/2011 to 27/04/2012
3	Study of safety parameters and immunomodulating properties of potential immunomodulators.	BVDU, Yashawantrao Mohite College Pune	2011-2012

RESEARCH PROJECT (ONGOING)

Title	Agency	Year of completion	Whether Co-PI	Grant (Rs. Lakh)
TO DEVELOP GAMMA PROTOTYPE OF 'BIOLOGICAL WASTE INCINERATOR	BIRAC, Government of India	Ongoing	Yes	50

CONSULTANCY

Sr. No.	Title	Agency	Year of completion	Whether PI / Co-PI	Amount Mobilized (Rs. Lakh)
1.	Technology transfer to Dinakar Aayurvedic Pharmacy	Dinakar Aayurvedic Pharmacy, Karad	02/01/2012 to 02/01/2022	PI	25
2.	Consultant for Droplets Innovative Incinerators Pvt. Ltd.	Droplets Innovative Incinerators Pvt Ltd.	16 th May 2023 onwards	consultant	50
3.	HIV testing and counselling (Evidence NARI letter dt 5/11/96)	National Institute of Virology	1995-96	PI	Charity
4.	HIV testing and counselling (Evidence NARI letter dt 25/09/2000)	National Institute of Virology	2000-2001	PI	Charity
5.	Evaluation of microbial load in State Transport Vehicle dt 11/07/2012 letter of depot manager	Maharashtra State Transport Depot, Pune	2012-13	PI	Charity
6.	Making Science Fun Sunday Sakal Times dt 10/03/2013	Applied Research Institute, Pune	2013 onwards	PI	Charity
7.	WHO guidelines correspondence through NARI Pune	Social news paper platform	6 July 2013	PI	Charity
8.	Consultant for Elixer Society for HIV people.	Elixer Society	2008	PI	Charity
9.	Reviewer for the Journal of the American Heart Association	American Heart Association	2020 onwards	PI	Charity

PATENTS/IPRS

Patents /IPRs (Registered) (21)

Sr. No.	Academic Year	Title of the patent	Type of the patent (National/ International)	Patent Application Number	Date of Filing the IPR
1	2005-06	Invention of herbal drug against HIV infection/ AIDS	National	1512/MUM/2005	07/12/2005
2	2009-10	Invention of Immunomodulating Agent Against HIV infection/AIDS	National	2326/MUM/2009	07/10/2009
3	2012-13	'Invention of improved process for obtaining <i>Piper longum</i> derived product having distinct properties with respect to enhancement of spermatogenesis process.	National	1632/MUM/2013	06/05/2013
4	2012-13	'Invention of <i>Picrorrhiza kurroa</i> derived product having distinct properties with respect to augmentation of spermatogenesis process'	National	1633/MUM/2013	06/05/2013
5	2012-13	'Novel product obtained from <i>Chlorophytum borivilianum</i> , <i>Piper longum</i> , <i>Picrorrhiza kurroa</i> , by using innovative steps and the unique blending process for enhancement of spermatogenesis	National	1634/MUM/2013	06/05/2013

		process'			
6	2012-13	'Invention of <i>Chlorophytum borivillianum</i> derived product having distinct properties with respect to enhancement of spermatogenesis process.	National	1635/MUM/2013 A	06/05/2013
7	2014-15	Invention of mast stabilizing properties of <i>Piper longum</i> , <i>Aloe vera</i> , <i>Cynodon dactylon</i> and <i>Cymbopogon citratus</i>	National	1803/MUM/2015 6/5/2015A	06/05/2015
8	2017-18	Chromatography column with perforated gel slots	National	296390, CBR No 15996	03/08/2017
9	2017-18	Cylindrical Sanitary Pad Incinerator	National	298132 CBR No. 19257	05/10/2017
10	2017-18	Multiunit aseptic Chamber	National	Design Number: 299682	24/11/2017
11	2018-19	Green pathofree sanitary pad incinerator	National	Application number 314445-001	01/02/2019
12	2018-19	Aerosole trapper Ballal pipe	National	Application number 314449-001	01/02/2019
13	2019-20	Hospital bed with adjustable inbuilt commode	National	Application number : 318608-001	11/06/2019
14	2019-20	Microbial filters for AC vents	National	Application Number: 325713-001	09/01/2020
15	2019-20	Inoculating loop for microbial isolation	National	Application No. 327333-001	15/02/2020
16	2019-20	Shield for car drivers	National	Application No. 327332-001	15/02/2020
17	2019-20	Incinerator for	National	Application No.	14/08/2019

		biological waste		201921032976, CBR No. 17857	
18	2019-20	INCINERATOR FOR BIOLOGICAL WASTE	International	International Patent Application No. PCT/IB2020/054376 International Bureau of the World Intellectual Property Organization, Geneva	08/05/2020
19	2021-22	Impact Intensity Reducing Mobile Body	National	Patent Application No. 202221008578	18/02/2022
20	2022-23	A Device for investigating cell movement	National	Patent Application No. 202221072427	14/12/2022
21	2024-25	Biomedical Waste Incinerator	National	Patent Application No. 202521018934	03.03.2025

APPROVED IPR/ PATENTS: (10)

(International – 02 National – 08)

Sr. No	Title of the IPR/ Patent	Details about the IPR/ patent and technology transfer	Valid up to
01	Design patent entitled, 'Multiunit Aseptic Chamber'	Patent approval certificate number: 67170 dt. 07/09/2018 , 14:53:21	07/09/2028 with extension up to 07/09/2033
02	Design patent of 'cylindrical sanitary pad incinerator'	Patent approval certificate number: 68581 dt. 28/11/2018 , 12:36:18	28/11/2028 with extension up to 28/11/2033
03	Chromatography column with perforated gel slots	Patent approval certificate number: 74233 dt. 24/04/2019 , 11:55:18	24/04/2029 with extension up to 24/04/2034
04	Hospital Bed with adjustable inbuilt commode	Patent approval certificate number: 80365 dt. 26/08/2019 , 12:42:14	26/08/2029 with extension up to 26/08/2034
05	Inoculating loop for microbial isolation	Patent approval certificate number: 92819 dt. 10/11/2020	10/11/2029 with extension up to 10/11/2034

06	Invention of mast cell stabilizing properties of <i>Piper longum</i> , <i>Aloe vera</i> , <i>Cynodon dactylon</i> and <i>Cymbopogon citratus</i>	Approved. Patent No 394150 Dt. 04/04/2022	Valid up to 06/05/2035
07	Microbial filters for AC vents	Patent approval certificate number: 106450 dt. 22/12/2021	Valid up to 22/12/2031 with extension up to 22/12/36
08	Incinerator for Biological Waste	Approved vide Patent Certificate No. 394390 Dt. 07/04/2022	Valid up to 14 th August 2039
09	Invention of improved process for obtaining piper longum derived product having distinct properties with respect to enhancement of spermatogenesis process.	Approved vide patent certificate number 404899 dt. 29/08/2022	Valid up to 6 th May 2033
10	A device for investigating cell movement	Approved vide patent certificate number 520323 dt. 05/03/2024	Valid up to 14/12/2042

POLICY DOCUMENTS: (9)

Sr. No.	Title	Party no.1	Party no. 2	Date of policy document
1	Agreement for seeking Intellectual Property Rights	Bharat Bajarang Ballal	National Biodiversity Authority, Government of India.	12 August 2010
2	Agreement for seeking Intellectual Property Rights	Bharat Bajarang Ballal	National Biodiversity Authority, Government of India.	12 July 2017
3	Consent for mutual co-operation for the purpose of research.	Bharat Bajarang Ballal	Golwilkar Metropolis	3 June 2013
4	Haffkine Policy Document	Bharat Bajarang Ballal	Haffkine Research Institute Mumbai	29 August 2008
5	Applied Research	Bharat Bajarang	Government of	20 January 2011

	Institute	Ballal	Maharashtra	
6	Agreement for seeking Intellectual Property Rights	Bharat Bajarang Ballal	National Biodiversity Authority, Government of India.	16 Feb 2022
7	Agreement for seeking Intellectual Property Rights	Bharat Bajarang Ballal	National Biodiversity Authority, Government of India.	21 March 2022
8	Agreement between DPKM and Patent holder	Bharat Bajarang Ballal	Dr.Patangrao Kadam Mahavidyalaya	24 March 2023
9	Agreement between Patent Office and Droplets	Bharat Bajarang Ballal	Patent Office	20 March 2020

AWARDS (16)

Sr. No.	Fellowship / Award	Year	International /National	Awarding Academic Body/ Association
1.	Best Research Paper Award	2000	National	40 th Annual A.M. I. Conference, Bhubaneswar, January, 22-24
2.	Best Research Paper Award	2003	National	44 th AMI conference Dharwad,Karnataka
3.	Best Research Paper Award	2006	National	Conference Barkattulla University Bhopal
4.	Best Research Paper Award	2010	National	Conference, Abeda Inamdar Senior College of Arts, Science and Commerce, Pune
5.	AIDS research award	2012	International	Friends International Society.
6.	Best Interjector	2012	International	AMERICAN SOCIETY FOR MICROBIOLOGY (ASM)
7.	Indian Cultural Social Award	2012	International	International Human Rights Justice Fedaration
8.	Best Teacher Award	2013	National	Pune Municipal Corporation
9.	Best Research Paper Award	2016	International	International Conference HSDS 2016

10.	Best Researcher Award	June 2017	National	H V Desai College Pune and Microbiologist's Society of India.
11.	Best Teacher Award	July 2017	National	H V Desai College Pune and Microbiologist's Society of India.
12.	Second Prize	2019	National	National Level Seminar
13.	Best Research Paper Award	2021	International	International Conference Abeda Inamdar College Pune
14.	Social work Acclamation certificate	2023	National	Chandrasekhar Magdum Sc. Sangli
15.	Award for substantial contribution in the field of Science and Technology	2024	National	Government of India, at Kartavyapath New Delhi on the occasion of 75 th Republic Day.
16.	Best Consultant for Startup: Zone Winner Award	2025	National	Pune Startup Fest 25 Dt. 11 th and 12 th January 2025

INVITED LECTURES/ DUTIES AS A RESOURCE PERSON:

Sr. No.	Title of the speech	Title of the event	Organized by	Date
1	Intellectual property rights and patent registration	3 days workshop on 'Innovations in Teaching and Learning in Life'	Teaching and Learning Center SPPU, Pune (Center name: K.A.A.N.M. Sonawane College, Satana)	14 Dec. 2019
2	Innovative methods in teaching	3 days workshop on 'Innovations in Teaching and Learning in Life'	Teaching and Learning Center SPPU, Pune (Center name: K.A.A.N.M. Sonawane College, Satana)	14 Dec. 2019
3	Intellectual property rights and patent registration	One day National Webinar on Intellectual property Rights in Life Sciences.	Microbiologist Society, India, Y. C. College Lakhandur, District Bhandara, Arts and Science College, Pulgaon, District-Vardha	28 January 2020
4	Intellectual Property Rights	Lead College Activity	S.G.M. College, Karad, District-Satara.	31 January 2020
5	AIDS	AIDS awareness program	Dilasa Sanstha, Shabdhan Kavya Manch and Jagtap Pratishthan, Pimpri	18 October 2007
6	Popularization of Science	Lecture series	Arranged by Shrimant Dagadusheth Halwai	04 March 2012

			Trust	
7	Resource person for UGC sponsored seminar	Lecture	Arranged by SGM College Karad	27 th and 28 th Dec.2012
8	Lead College Activity	Lecture on art of patenting and patent defence	Balasaheb Desai College, Patan	25 March 2022
9	SET Observer	SET Exam dt 26 th March 2023	SPPU, Pune	26 March 2023
10	BOS member BVDU, Pune	Syllabus designing	BVDU Pune	21/12/2019
11	BOS member BVDU, Pune	Syllabus designing	BVDU Pune	14/08/2018
12	BOS Member, Abasaheb Garware College, Pune (Autonomous)	B.Sc., M.Sc. Syllabus designing	Abasaheb Garware College, Pune (Autonomous)	02/03/2022
13	Member of BOS Sub committee SUK, Kolhapur	M.Sc. Syllabus designing	Shivaji University, Kolhapur	07/09/2023
14	Sectional In charge of Microbiologists Society, India.	Association Activities	SPPU, Pune	2018-19
15	Co-Ordinator of Microbiologists Society, India.	Association Activities	SPPU, Pune	16/07/2018
16	Co-Ordinator Microbiologists Society, India.	Association Activities	Shivaji University, Kolhapur	20/06/2023

**PAPER PRESENTATIONS IN
SEMINARS/CONFERENCES/PROCEEDINGS: (100)**

(Descending Order)

Sr . No.	Title of the Paper	Theme/Title of the Conference/Seminars	Organized by	Date	Abstract / Page no.	National/ International
1	Study of symbiotic interaction of <i>Pantoea calida</i> and <i>Aspergillus</i> spp. in the development of <i>Pityriasis capitis</i> with concurrent evaluation of antifungal activities of selected 'antidandruff shampoos'	International E Conference on Integrated Sciences	Shri Yashwantrao Patil Science College Solankur, Taluka- Radha Nagari, District- Kolhapur	8-9 th Feb 2024	Oral E Conference	International
2	Isolation and Identification of potential spoilage causing fungi from end products of <i>Curcuma longa</i> L. & evaluation of antifungal activities of 'Fluconazole'	International E Conference on Integrated Sciences	Shri Yashwantrao Patil Science College Solankur, Taluka- Radha Nagari, District- Kolhapur	8-9 th Feb 2024	Oral presentation	International
3	Study of air quality in the vicinity of common biomedical waste treatment facility center of Govandi, Mumbai.	National level poster presentation competition	Dr. Shivajirao Kadam College of Pharmacy, Kasabe Digraj, Sangli	11/03/2023	Supplement no. 1	National
4	Evaluation of air quality during combustion of used and disposed sanitary napkins in the patented biological	International conference on emerging trends in combating multidrug resistant superbugs 2021	Abeda Inamdar College, Pune	5 th and 6 th October 2021	Oral presentation (online)	International

	incinerator.					
5	Exploring Nosocomial Pathogens from acclaimed hospitals in Pune	International Conference on Environmental Pollution and Health Management	DBT INDIA, Microbiologist Society India, Career College, Bhopal	28 th - 29 th , February 2020	CD-ROM Pg. No. 102	International
6	A scientific study on presence of human pathogens with unused sanitary pads, an alarming threat to society	International Conference on Environmental Pollution and Health Management	DBT INDIA, Microbiologist Society India, Career College, Bhopal	28 th - 29 th , February 2020	CD-ROM Supplement	International
7	Study of efficacy of traditional ayurvedic medicines of Sukshma triphala, Gandhak Rasayana @ leaf extract of Tagetes erecta against Acne vulgaris as an attempt to aid Ayush standardization efforts of Government of India	International E Conference on Integrated Sciences	Shri Yashwantrao Patil Science College Solankur, Taluka- Radha Nagari, District- Kolhapur	8-9 th Feb 2024	Oral presentation	International
8	Comparative study of potential pathogen from air conditioned and non air conditioned buses	International E Conference on Integrated Sciences	Shri Yashwantrao Patil Science College Solankur, Taluka- Radha Nagari, District- Kolhapur	8-9 th Feb 2024	Oral presentation	International
9	Isolation of MDR pathogens from sanitary pads and study of social links for their prevalence	National level seminar on 'Current trends in identification and diagnostics'.	Government college of Arts, Science and Commerce, Khandola, Marcela-Goa - 403107, India	10/12/2019	11	National
10	Evaluation of indoor air quality from Maharashtra state air conditioned buses with special emphasis on	National level seminar on 'Current trends in identification and diagnostics'.	Government college of Arts, Science and Commerce, Khandola, Marcela-Goa -	10/12/2019	12	National

	MDR pathogen		403107, India			
11	Isolation of drug resistant pathogens from dish washer scrubbers from residential and commercial sources.	National level seminar on 'Current trends in identification and diagnostics'.	Government college of Arts, Science and Commerce, Khandola, Marcela-Goa - 403107, India	10/12/2019	15	National
12	Isolation of commercial pathogens from cosmetic equipments.	National level seminar on 'Current trends in identification and diagnostics'.	Government college of Arts, Science and Commerce, Khandola, Marcela-Goa - 403107, India	10/12/2019	14	National
13	Biological waste management through design and development of sanitary pad incinerator with comparative evaluation	DBT-STAR Funded National Conference on recent trends in solid waste management (NCRISM-2019)	Organized by Microbiology society of India in collaboration with YCIS, Satara, Maharashtra, In	January 30-31, 2019	Oral presentation	National
14	Study of potential antimicrobial activities of selected plant extracts against ESKAPE pathogens with predictive study of P-glycoprotein efflux protein	59 th Annual International Conference of Association of Microbiologists of India and International Symposium on Host Pathogen Interactions	School of Life Sciences, University of Hyderabad	December 9-12, 2018	Abstract no.: AMRP/001(30095) Registration ID: 30095 Proceedings Page no 293	International
15	Study of nosocomial pathogens with respect to their distribution, source and drug resistance	59 th Annual International Conference of Association of Microbiologists of India and International Symposium on Host Pathogen Interactions	School of Life Sciences, University of Hyderabad	December 9-12, 2018	Abstract no.: AMRP/003 (20056) Registration ID: 20056	International
16	Isolation and Characterization of Drug resistant Pathogens from	106 th Indian Science Congress	The Indian Science Congress Association	January 3-7, 2019	Abstract No. PP-20, Page No. 235	International

	fresh meat samples collected from slaughter houses.		,Kolkata			
17	Study of absolute CD ₄ count in HIV infected individuals following phase-II human clinical trials.	Microbial Technology for Better Tomorrow (ICMTBT-2018)	Dr. D.Y. Patil Arts, Commerce and Science College, Pimpri, Pune,	17th - 19th February 2018	CD-ROM	International
18	Spectroscopic analysis of <i>Chlorophytum borivillianum</i> , <i>Spilanthes paniculata</i> Wall. Ex. DC. And <i>Withania somnifera</i>	National Conference on 'Ingenious Trends in Life Sciences',	Abeda Inamdar Senior College of Arts, Sc. & Comm. Pune, 6 th and 7 th Oct. 2017	6 th and 7 th Oct. 2017	Page no 34	National
19	Fourier Transformer Infra Red Spectroscopy study of <i>Wagatia spicata</i> Dalz. And <i>Picrorrhiza kurroa</i> .	National Conference on 'Ingenious Trends in Life Sciences',	Abeda Inamdar Senior College of Arts, Sc. & Comm. Pune,	6 th and 7 th Oct. 2017	pg. no. 26	National
20	Study of antibacterial activities of selected immunomodulating plants.	National Conference on 'Ingenious Trends in Life Sciences', organized	Abeda Inamdar Senior College of Arts, Sc. & Comm. Pune,	6 th and 7 th Oct. 2017	Pg. no. 36	National
21	Study of antifungal activities of selected immunomodulating plants.	National Conference on 'Ingenious Trends in Life Sciences',	Abeda Inamdar Senior College of Arts, Sc. & Comm. Pune,	6 th and 7 th Oct. 2017	Pg. no. 36	National
22	Need of CBWTF to non medico higher education institutes.	International Youth Conference,	Mitsom College Pune and TERRE Policy Center, Pune.	dt.3 rd March 2017.	Oral presentation	International
23	Enterovirus as an emerging pathogen for development of ulcerative pharyngitis, a case study.	National Conference on 'Recent trends and Opportunities in Life Sciences	2017 (RTOLS-2017), Organized by 'Science College, Saswad'	24 th and 25 th January 2017	MM-25,63	National

24	Study of the effect of biological immunomodulators on percent Neutrophil count in Albino mice.	'Recent Trends in Physical, Chemical and Biosciences' (RTPCB-2016),	Vidya Pratishthan's, Arts, Science and Commerce College, Baramati, Pune-Maharashtra, India.	Dt. 16 th -17 th Decem ber 2016	BPP -18, pg. 122	National
25	Exploring Anti HIV principles of blended formulation of <i>Chlorophytum borivilianum</i> , <i>Withania somnifera</i> , <i>Wagati a spicata Dalz</i> , <i>Picrorrhiza kurroa</i> and <i>Spilanthes paniculata</i>	3 rd International Conference on Herbal and Synthetic Drug Studies (HSDS-2016)	Abeda Inamdar College, Pune, University of Kansas Cancer Center, USA and ISTRA Pune.	Jan. 07-09,2016	P-06, Pg. No. 67	Internati onal
26	Study of leukocyte count in the patient having progressive cellulitis with concurrent left ventricle failure.	International Conference on 'New Horizons in Biotechnology (NHBT-2015),	NHBT Trivandrum, Kerala, India.	Nov. 22-25,2015	Supplement Publication	Internati onal
27	Study of Warfarin resistance in IHD patient.	International Conference on 'New Horizons in Biotechnology (NHBT-2015),	Trivandrum, Kerala,India.	Nov.22-25, 2015	Supplement Publication	Internati onal
28	Availing CBWF TO Senior Colleges	National Conference on Advances and Challenges in Green Technology	Singhgad College of Science Pune	Feb. 13-14,2015,	Oral P-38	National
29	Effect of herbal extracts on CD ₄ count in HIV infected individuals	New Trends in Biotechnology	Osmania University Hydrabad, Feb.26-28,2015	Feb. 26-28, 2015	VMVM- 24, Pg.27	Internati onal
30	Study of warfarin therapy interference by <i>Streptococcus pneumoniae</i> in the patient of 'coronary artery	New Trends in Biotechnology	Osmania University Hydrabad, Feb.26-28,2015	Feb. 26-28, 2015	VMVM-089, Pg.76	Internati onal

	calcification					
31	Study of Immunomodulator agents in HIV infected individuals	International Conference on Contemporary Research in Chemical and Life Sciences	Sadguru Gadage Maharaj College, Karad. (ICCRCLS-2015).	22-23 April 2015	Oral presentation	International
32	'Neutrophil Adhesion Test' of herbal extracts as a mean for evaluation of cellular immunity.	54 th Annual Conference of Association of Microbiologist of India	Maharshi Dayanand University Rohatak-124001,Harayana, India.	17 th Nov.2013	Pg.180MMV V-099	International
33	Exploring Etiopathology of persistent post influenza cough	54 th Annual Conference of Association of Microbiologist of India	Maharshi Dayanand University Rohatak-124001,Harayana, India.	17 th Nov.2013	MMVV-064, Pg.159	International
34	Isolation of food borne <i>Salmonella</i> from mid day meals with respect to pune region.	54 th Annual Conference of Association of Microbiologist of India	Maharshi Dayanand University Rohatak-124001,Harayana, India.	17 th Nov.2013	MMVV-085, Pg.171	International
35	Effect of herbal extracts on haemoglobin percentage of white Albino Mice.	National Conference on BioEngineering Sciences	College of Engineering , Pune	15 th to 16 th March 2013	PP-5, Pg. -75	National
36	Isolation of MDR <i>Escherichia coli</i> from the serum sample of Adenocarcinoma patient and the study of plasmid curing agent.	International Conference on Microbial World	KIIT University,Bhubaneswar, Odisha	22 nd to 25 th Nov.2012	PD2-598 Pg.362	International
37	Isolation of pathogens from state transport vehicles.	International Conference on Microbial World	KIIT University,Bhubaneswar, Odisha	22 nd to 25 th Nov.2012	PD1-381 Pg.253	International
38	Isolation of food borne pathogens from potential carriers.	International Conference on Microbial World	KIIT University,Bhubaneswar, Odisha	22 nd to 25 th Nov.2012	PD2-425 Pg.275	International
39	Isolation of pathogens from	International Conference on	KIIT University,Bhuba	22 nd to 25 th	PD2-556	International

	subway foods.	Microbial World	neswar, Odisha	Nov.2012	Pg.341	
40	Isolation of potential pathogens from cosmetics.	International Conference on Microbial World	KIIT University, Bhubaneswar, Odisha	22 nd to 25 th Nov.2012	PD2-625 Pg.375	International
41	Isolation of pathogens from raw vegetables supplied to five star hotels.	International Conference on Microbial World	KIIT University, Bhubaneswar, Odisha	22 nd to 25 th Nov.2012	PD2-641 Pg.383	International
42	Isolation of <i>Acinobacter calcoaceticus</i> from food handlers and exploring the new way of disease transmission for the pathogens.	International Conference on Microbial World	KIIT University, Bhubaneswar, Odisha	22 nd to 25 th Nov.2012	PD1-361 Pg.243	International
43	Isolation of <i>Aeromonas hydrophila</i> , a flesh eating bacteria from hand impressions of food handlers.	International Conference on Microbial World	KIIT University, Bhubaneswar, Odisha	22 nd to 25 th Nov.2012	PD2-568 Pg.347	International
44	Determination of most probable number of coliforms from water reservoir used for dish washing purpose.	International Conference on Microbial World	KIIT University, Bhubaneswar, Odisha	22 nd to 25 th Nov.2012	PD2-522 Pg.324	International
45	Studies on Indian Medicinal Plants with respect to regulation of Innate immunity	National seminar on 'Recent Trends in Life Sciences'	Yashwantrao Mohite College, Pune	21 st to 22 nd December 2012	P-2, Pg 66	National
46	Effect of <i>Picrorrhiza kurroa</i> on phagocytic cells of White Albino Mice	National seminar on 'Recent Trends in Life Sciences'	Yashwantrao Mohite College, Pune	21 st to 22 nd December 2012	P-4, Pg 68	National
47	Effect of <i>Piper longum</i> on cellular immunity of White Albino Mice	National seminar on 'Recent Trends in Life Sciences'	Yashwantrao Mohite College, Pune	21 st to 22 nd December 2012	P-3, Pg 67	National

48	Effect of <i>Chlorophytum borivilianum</i> on haematological parameters of experimental animals.	National seminar on 'Recent Trends in Life Sciences'	Yashwantrao Mohite College, Pune	21 st to 22 nd Decem ber 2012	P-5, Pg 69	National
49	'Study of Antibacterial Activity of Indian Medicinal plants and conservation of Biodiversity through 'Tissue culture technique'	UGC sponsored national seminar on 'Biodiversity Conservation and Protection'	Yashwantrao Mohite College, Pune-38	13th and 14th March 2012	Pg. 36	National
50	'Study of Antifungal Activity of Indian Medicinal plants and Phytochemical Analysis of Piper longifolium	UGC sponsored national seminar on 'Biodiversity Conservation and Protection'	Yashwantrao Mohite College, Pune-38	13th and 14th March 2012	Pg. 42	National
51	Probiotics to alleviate irritable bowel syndrome	one day seminar on ' Biotechnology for Better Tomorrow-2020	Department of Microbiology, Dr. Babasaheb Ambedkar Marathwada University, sub campus, Osmanabad and Microbiologist Society of India.	January 22, 2012	Pg.	National
52	'Therapeutic value of 25-OH-cholecalciferol in the treatment of chronic arthritis in Chikungunya- A virgin application'	International conference on 'New Horizons in Biotechnology'	National Institute for interdisciplinary science and technology, NIIST, CSIR, Trivandrum, The Biotech Research Society, INDIA	November 21-24, 2011	page no. 251, Abstract no MB-28	Internati onal
53	'Study of prevalence of <i>Salmonella</i> and <i>Shigella</i> during endemic outbreak of diarrhoea in Pune city	'International conference of Microbial Biotechnology for sustainable development'	Punjab University Punjab	Nov. 3 to 6 2011	Pg.	Internati onal
54	'Study of Potential Pathogens in	MICROCON 2011, XVII Maharashtra	Bharati Vidyapeeth Deemed	Sept. 22-24,	P-48 Pg. No. 152	Internati onal

	processed and unprocessed milk sample from Pune region'	Chapter conference of Indian Association of Medical Microbiologist	University, Medical College, Pune	2011		
55	'Determination of potability of borewell water available in Pune city'	MICROCON 2011, XVII Maharashtra Chapter conference of Indian Association of Medical Microbiologist	Bharati Vidyapeeth Deemed University, Medical College, Pune	Sept. 22-24, 2011	P-47 Pg. No. 152	International
56	'Checking of abundance of <i>Salmonella</i> and <i>Shigella</i> on vegetables sold in Pune region'	MICROCON 2011, XVII Maharashtra Chapter conference of Indian Association of Medical Microbiologist	Bharati Vidyapeeth Deemed University, Medical College, Pune	Sept. 22-24, 2011	P-49 Pg. No. 153	International
57	'Probiotics to alleviate Irritable Bowel Syndrome : A case study''	'International Conference on Biotechnology for Better Tomorrow (BTBT-2011)	Dr. Babasahib Ambedkar Marathawada University, Aurangabad, Maharashtra, INDIA.	Feb. 6 to 9 2011,	Page No. 49, OMM-12	International
58	'Study of IgM, IgG and IgA by Nephelometry technique in the patient of Irritable Bowel Syndrome following probiotic therapy'	51st AMI Conference	Birla Institute of Technology Mesra, Ranchi, INDIA	Dec. 14-17, 2010	Pag. No. 286, MM-30	International
59	'Study of Probiotics in the treatment of Irritable Bowel Syndrome'	51st AMI Conference	Birla Institute of Technology Mesra, Ranchi, INDIA	Dec. 14-17, 2010	Page No. 285, MM.27	International
60	'Study of Tissue Transglutaminase in the patient of Irritable Bowel Syndrome following therapy of Probiotics'	51st AMI Conference	Birla Institute of Technology Mesra, Ranchi, INDIA	Dec. 14-17, 2010	Page No. 279, MM.17	International

61	'Study of endomycelial antibody IgA in the patient of Irritable Bowel Syndrome'	51st AMI Conference	Birla Institute of Technology Mesra, Ranchi, INDIA	Dec. 14-17, 2010	Page No. 279, MM.16	International
62	'Effect of herbal extract on Thrombocyte count in HIV-1 (C-strain) infected individuals	National Conference on new frontiers in herbal and synthetic drug studies	Abeda Inamdar College, Pune	14 th to 16 th Jan 2010	Page No. 59	National
63	'Immunomodulatory and antiviral effects of herbal extract in HIV -I (C-strain) infected individuals'	National Conference on new frontiers in herbal and synthetic drug studies	Abeda Inamdar College, Pune	14 th to 16 th Jan 2010	Page No. 59	National
64	'Evaluation of Probiotics in the Patient of Irritable Bowel Syndrome'	50th Annual conference of Associations of Microbiologist of INDIA,	NCL, Pune	15-18th Dec. 2009	MM-002, Pg. 265	International
65	Immunomodulating effects of herbal extracts on the CD4 subset in the HIV-1 (C-strain) infected individuals	50th Annual conference of Associations of Microbiologist of INDIA,	NCL, Pune	15-18th Dec. 2009	MM-001, Pg. 265	International
66	'Study of calibration parameters of flow cytometric tools during antiretroviral therapy'	49th Annual conference of Associations of Microbiologist of INDIA	University of Delhi	Nov. 18-20-2008	Pg.316	International
67	'Clinical trials of <i>Wagatia spicata</i> Dalz, <i>Chlorophytum barivilianum</i> , <i>Withania</i> , <i>Somnifera</i> , <i>Picrorrhiza kurroa</i> and patented herbs in HIV (c-strain) infected Individuals'	49th Annual conference of Associations of Microbiologist of INDIA	University of Delhi	Nov. 18-20-2008	Pg. 269	International

68	'Study of cellular parameters in HIV-1 (c-strain) infected individuals following herbal therapy	49th Annual conference of Associations of Microbiologist of INDIA	University of Delhi	Nov. 18-20-2008	Pg. 266	International
69	Study of Immunomodulating, Biochemical and antiviral Properties of <i>Phyllanthus reticulatus</i> , <i>Tinospora cordifolia</i> , <i>Chlorophytum barivilianum</i> , <i>Wagatia spicata</i> Dalz and two other patented Novel Herbs in The HIV-1 (C-Strain) infected individuals	34 th Indian Immunology Society Conference	National AIDS Research Institute , Pune	16 th -18 th December, 2007.	Abstract No. PS- 1-45, Page No. -70	International
70	Isolation of Klebsiella pneumoniae from the patient having haematuria & the study of drug resistance	A.M.I. conference	Barkatulla Univ. Bhopal	Dec. 6 to 8, 2006	Abstract book page No. 102, MG-42	International
71	Study of CD ₄ count in HIV-1 (c-strain) infected individual following therapy of non toxic herbal extracts of <i>Phyllanthus reticulatus</i> , <i>Tinospora cordifolia</i> , <i>Chlorophytum barivilianum</i> , <i>Wagatia spicata</i> Dalz and two other patented Novel Herbs	A.M.I. conference	Barkatulla Univ. Bhopal	Dec. 6 to 8, 2006	Abstract book page No. 102, MG-42	International
72	Study of absolute CD ₄ count in the HIV-1 (C-strain) infected	46th AMI conference	Osmania University Hyderabad.	Dec. 8 to 10-2005	Page No. 120 Abstract No. Med-01).	International

	individual following therapy of non-toxic herbal extract of <i>Phyllanthus reticulatus</i> , <i>Tinospora cordifolia</i> , and two other patented Novel Herbs					
73	study of viral load & thrombocyte count in the HIV-1 (c-strain) infected individual following therapy of nontoxic herbal extracts	46th AMI conference	Osmania University Hyderabad.	Dec. 8 to 10-2005	Page No. 146 Abstract No. Med-66).	International
74	Study of absolute CD ₄ count in the HIV-1 (c-strain) infected individuals following therapy of the non toxic herbal extracts of <i>Phyllanthus reticulatus</i> , <i>Tinospora cordifolia</i> , and two other Novel drugs	Indo-Australian conference on biotechnology in infectious diseases	Kasturba Medical College, MANIPAL	March 1-3, 2005	P-81, Page No. 113.	International
75	Study of Plasma Homocysteine count in the HIV-1 (c-strain) infected individuals following therapy of the non toxic herbal extracts of <i>Phyllanthus reticulatus</i> , <i>Tinospora cordifolia</i> and two other novel drugs	Indo-Australian conference on biotechnology in infectious diseases	Kasturba Medical College, MANIPAL	March 1-3, 2005	P-82-Page No. -114.	International
76	Study of thrombocyte &	Indo-Australian conference on	Kasturba Medical College,	March 1-3,	P-83-Page No. -115	International

	viral load in the HIV-1 (c-strain) infected individual following therapy of nontoxic herbal extracts of <i>Phyllanthus reticulatus</i> , <i>Tinospora cordifolia</i> and two other novel drugs	biotechnology in infectious diseases	MANIPAL	2005		
77	Study of thrombocyte count in the HIV-1 (c-strain) infected individual following therapy of nontoxic herbal extracts of <i>Phyllanthus reticulatus</i> , <i>Tinospora cordifolia</i> and two other novel drugs	Symposium on molecular basis of disease	Indian Institute of Technology, Madras (IITM).	January 8,9, 2005	Advanced Biotech, Page No. 19, Volume – 111, issue 7	International
78	Study of absolute CD ₄ count in the HiV –C-strain) infected individual following therapy of the non toxic herbal extracts of <i>Phyllanthus reticulatus</i> , <i>Tinospora cordifolia</i> and two other novel drugs	Symposium on molecular basis of disease	Indian Institute of Technology, Madras (IITM).	January 8,9, 2005	Advanced Biotech, Page No. 18, Volume – 111, issue 7	International
79	Study of Plasma Homocysteine in the HIV-1 (c-strain) infected individual following therapy of the non toxic herbal extract of <i>Phyllanthus reticulatus</i> , <i>Tinospora cordifolia</i> and two other novel	45 th AMI conference, Microtech 2k4	National Dairy Research Institute, Karnal – 132001 (Haryana).	November 23-25, 2004	Abstract MPM-4, Page No. 118,	International

	drugs”,					
80	Study of absolute CD ₄ count in the HIV-1 (c-strain) infected individual following therapy of the non toxic herbal extracts of <i>Phyllanthus reticulatus</i> , <i>Tinospora cordifolia</i> and two other novel drugs	45 th AMI conference, Microtech 2k4	National Dairy Research Institute, Karnal – 132001 (Haryana).	November 23-25, 2004	Abstract MPM-6, Page No. 119,	International
81	Isolation and Characterization of laboratory fungi	45 th AMI conference, Microtech 2k4	National Dairy Research Institute, Karnal – 132001 (Haryana).	November 23-25, 2004	Abstract ECO-10, Page No. 29,	International
82	Study of absolute CD ₄ count and plasma homocysteine in the HIV-1 (c-strain) infected individual following therapy of the non toxic extracts of <i>Phyllanthus reticulatus</i> , <i>Tinospora cordifolia</i> and two other novel drugs”	ASM 104 th GENERAL MEETING, New Orleans, USA	Central Hall ASM, New Orleans, USA	May 23-27, 2004	Abstract No. 4906 T-028, Page No. 143	International
83	Reactivity p-24 antigens in HIV-1 infected individuals following long term ayurvedic therapy”	44 th annual conference of A.M.I	AMI local chapter, Dharwad-Karnataka	12-14 Nov. 2003	Page No. 266,	International
84	Study of absolute CD ₄ count in the HIV-1 infected individual following therapy of the non toxic extracts of <i>Phyllanthus reticulatus</i> , <i>Tinospora</i>	44 th annual conference of A.M.I	AMI local chapter, Dharwad-Karnataka	12-14 Nov. 2003	Page No. 262,	International

	<i>cordifolia</i> and two other novel drug					
85	Study of viral load, CD ₄ , count and opportunistic infections in the HIV-1, infected individuals	43 rd annual conference of A.M.I.	Agricultural University, HISAR	December, 11-13, 2002	MVM-30, Page No. 75	International
86	Formulation of modified coriander seed agar medium	43 rd annual conference of A.M.I.	Agricultural University, HISAR	December, 11-13, 2002	MBT-61, Page No. 78	International
87	Growth study of <i>Penicillium chrysogenum</i> in coriander broth medium	43 rd annual conference of A.M.I.	Agricultural University, HISAR	December, 11-13, 2002	MBT-60, Page No. 128	International
88	Study of nutrient utilization in coriander seed broth” by the fungus <i>Penicillium chrysogenum</i>	43 rd annual conference of A.M.I.	Agricultural University, HISAR	December, 11-13, 2002	MBT-59, Page No. 127	International
89	Formulation of fungal growth medium	43 rd annual conference of A.M.I.	Agricultural University, HISAR	December, 11-13, 2002	MBT-58, Page No.127	International
90	Study of fungal pigmentation on newly formulated medium and its comparison with respect to traditional fungal medium	43 rd annual conference of A.M.I.	Agricultural University, HISAR	December, 11-13, 2002	MBT-62, Page No. 129	International
91	Use of <i>Daphnia magna</i> as bioindicator of water pollution	43 rd annual conference of A.M.I.	Agricultural University, HISAR	December, 11-13, 2002	EMB-23, Page No. 152	International
92	Death rate of <i>Daphnia magna</i> as marker for toxic pollutants in water	43 rd annual conference of A.M.I.	Agricultural University, HISAR	December, 11-13, 2002	EMB-24, Page No. 152	International
93	Comparative study of <i>Bacillus thuringiensis israelensis</i> H-14	43 rd annual conference of A.M.I.	Agricultural University, HISAR	December, 11-13, 2002	BC-12, Page No. 169	International

	formulations with respect to its mosquitocidal activity					
94	Study of thrombocyte count in the HIV-1 infected individuals.	International conference on HIV / AIDS	Hotel Taj, Mumbai, India	16-19 December 2001	Pg	International
95	Formulation of enrichment medium for Cladosporium oxysporum	42 nd AMI Conference, Gulbarga	Gulbarga University, Gulbarga	9-11 November 2001	Pg	International
96	Study of Absolute-CD ₄ Count in the HIV-1 infected individuals following therapy of herbal extracts	42 nd AMI Conference, Gulbarga	Gulbarga University, Gulbarga	9-11 November 2001	Oral presentation	International
97	Study of thrombocyte count and absolute – CD ₄ Count’ in the HIV- 1 infected individuals following therapy of herbal extracts”	41 st AMI conference, Jaipur,	AMI local chapter, Jaipur	November, 25-27, 2000	Pg.	International
98	Effect herbal extracts on the CD ₄ & CD ₈ antigens and study of physical parameters in the HIV infected individual.	International Conference on Microbial biotechnology, trade and public policy, Hyderabad	Osmania University, Hyderabad	15 th to 17 th July 2000	Pg.	International
99	Effect of HIV replication on the population of WBCs and the reactivity of p-24 antigen in the infected individual following long terms ayurvedic therapy”	40 th Annual A. M. I. Conference	AMI Unit, Bhubaneshwar	January , 22-24, 2000	Pg.	International
100	Effect of Sodium taurocholate and	39 th Annual, A.M.I.	AMI Unit	December, 5-	Pg.	International

	other inorganic compounds on spore germination of <i>Cladosporium oxysporum</i>	conference,	Mangalore	6, 1998.		onal
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TECHNOLOGY TRANSFER:

Name of the Company	Description
DROPLETS INNOVATIVE INCINERATORS PRIVATE LIMITED	Transferred patented technology to the company and product is in market.
DINAKAR PHARMACY	Transferred patented technology to the company and 2 MEDICINES HAVE BEEN APPROVED BY FDA.

MEMORABLE EVENTS:

1. To acknowledge my contribution in the economic development of country and in the field of science and technology, Government of India invited me for attending Republic Day Parade of 75th Republic Day at Kartavya Path, New Delhi, dt. 25th January 2024. The event immortalized with felicitation by Mr. Piyush Goyal, Minister of Commerce and Industry, Government of India.



2. The Controller General (CG) of Patents, Designs And Trade Marks (CGPDTM) Government of India, **Shri. Unnat P. Pandit** at New Delhi, discussing innovation on 25th January 2024.



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