



Rayat Shikshan Sanstha's
Yashavantrao Chavan Institute of Science, Satara (Autonomous)
Lead College of Karmaveer Bhaurao Patil University, Satara

Faculty Profile



❖ **General information**

Name : Mr. Avinash Ashok Survase
Designation : Assistant Professor
Department : Microbiology
Educational Qualification : **M.Sc., NET, SET, GATE, Ph.D. (Microbiology), M.B.A. (Finance), PGDRD, CFN**
Date of Appointment : 11/09/2023
Teaching Experience : UG: 1 Month
 PG: 2 Month
Research Experience : 5 Years
Research Area : Nanobiotechnology, Nanobioremediation, Oncology, Antimicrobial activity, Antioxidant activity, Environmental microbiology, Plant physiology

❖ **Educational Qualification Details (undergraduate onwards)**

Sr. No.	College/University	Degree	Subjects	Year	Class/ Percentage
1	Shivaji University, Kolhapur	Ph.D.	Microbiology	2023	Submitted
2	SRTMU, Nanded	M.Sc.	Microbiology	2016	73.38
3	KN Bhise college Kurduwadi	B.Sc.	Microbiology	2014	69.00
4	CSIR-UGC-JRF-NET	NET	Life Science	2018	Qualified
5	MH-SET	SET	Life Science	2019	Qualified
6	IIT-New Delhi	GATE	Life Science	2020	Qualified
7	YCMOU, Nashik	M.B.A.	Finance	2020	72.00
8	IGNOU, New Delhi	PGDRD	Rural development	2021	62.00
9	IGNOU, New Delhi	CFN	Food Nutrition	2022	60.00

❖ **Awards/Honors/Recognitions/Scholarship etc.:**

Sr. No.	Name of the award/honor/recognition	Awarding Organization	Date and year
1	Meritorious Performance	KN Bhise college Kurduwadi	2014
	Meritorious Performance	YCIS, Satara	2022
2	CSIR JRF NET	UGC New Delhi	2018
3	CSIR SRF NET	UGC New Delhi	2021

4	JRF Fellowship	SARTHI Maharashtra Govt.	2021
5	1 st Prize in international conference oral presentation	YCIS, Satara	2022
6	3 rd Prize in University level Avishkar Research Convention	Shivaji University, Kolhapur	2022

❖ **Details of Research Publications**

A) Patent

Sr. No.	Title	Patent No.	Indian/US/ Any other	Granting date
1	Immunity testing kit for kids	379780-001	Indian	17/05/2023

B) Datasets Submission

Sr. No.	Title	Accession No.	Data base	Year of publication
1	<i>Aspergillus eucalypticola SLF1</i>	MZ158304 (MCC 1869)	28SrRNA sequencing	2021
2	<i>Bacillus cabrialesii RIRD-SK</i>	MZ151886 (MCC 4670)	16SrRNA sequencing	2021

C) Research papers:

Sr. No	Title of paper	Journal/proceeding details (Name, volume, page no, year of publication etc.)	ISSN No	Listed in Scopus/Web of Science/ UGC Care	Impact factor (If any)
1	Green synthesis of TiO ₂ nanospheres from isolated <i>Aspergillus eucalypticola</i> SLF1 and its multifunctionality in nanobioremediation of C. I. Reactive Blue 194 with antimicrobial and antioxidant activity	Ceramics International (Vol-49, Issue-10, 14964-14980)	0272-8842	SCOPUS	SCOPUS Impact factor:5.53
2	<i>Aspergillus eucalypticola</i> SLF1	Bulletin of Environment,	2277-1808	Web of Science	COSMOS Impact

	mediated TiO ₂ nanosphere for Methylene Blue dye degradation	Pharmacology and Life Sciences, Spl Issue (1) (January-2023) 109-116			factor:4.032
3	Extraction of Bacterial Pigments and Its Application in Cosmetics	Bulletin of Environment, Pharmacology and Life Sciences, Spl Issue (1) (January-2023) 564-571	2277-1808	Web of Science	COSMOS Impact factor:4.032
4	Green Synthesis of Copper Nanoparticles Using Leaf Extract of Ocimum sanctum and its Antimicrobial Activity	Bulletin of Environment, Pharmacology and Life Sciences, Spl Issue (1) (January-2023) 106-112	2277-1808	Web of Science	COSMOS Impact factor:4.032
5	Multifunctional Cu ₂ SnS ₃ Nanoparticles with Enhanced Photocatalytic Dye Degradation and Antibacterial Activity	Materials 15 (9) 3126, 1-15	1996-1944	SCOPUS	SCOPUS Impact factor:3.8
6	A review on tomato flu in India	Bulletin of Environment, Pharmacology and Life Sciences, 1(Special issue 1), 11–14.	2277-1808	Web of Science	COSMOS Impact factor:4.032
7	Influence of particle size on antibacterial and antifungal strains of titanium dioxide (TiO ₂) nanoparticles synthesized by silar method.	Bulletin of Environment, Pharmacology and Life Sciences, 1(Special issue 1), 274–282	2277-1808	Web of Science	COSMOS Impact factor:4.032
8	Variants of SARS-CoV-2.	International Journal of Microbial Science, 3(1), 29–32.	2582-967X	Peer reviewed	
9	A review on psoriasis: types, development, mechanism and precautions.	Bulletin of Environment, Pharmacology and Life Sciences, 1(Special issue 1), 87–92.	2277-1808	Web of Science	COSMOS Impact factor:4.032

10	Enhanced Photocatalytic Activity of the Cu ₂ SnS ₃ + GO Composite for the Degradation of Navy Blue ME2RL Industrial Dye	Coatings 13, 3 (2023): 522.	2079-6412	SCOPUS	SCOPUS Impact factor:3.4
11	Synthesis of novel diethyl (hydroxy (2-morpholinoquinolin-3-yl) methyl) phosphonates as antibacterial agent	Chemistry & Biology Interface 12, no. 3 (2022)-69-86	2249 – 4820	Peer reviewed	
12	Synthesis, antibacterial activity study of new 3-((5-methoxy-1benzo[d]imidazole-2-ylthio)methyl)-2-chloroquinoline derivatives	Heterocyclic Letters Vol. 12, No.3,587-596	2230-9632	UGC	
13	Antimicrobial activity of Lantana camara on hospital acquired infectious pathogens”	Bulletin of Environment, Pharmacology and Life Sciences, 1(Special issue 1)	2277-1808	Web of Science	COSMOS Impact factor:4.032
14	Analysis of expression of efflux pump (mexc2) gene in drug resistant <i>Pseudomonas aeruginosa</i> .	YMER, 21(08), 1075-1083	0044-0477	Peer reviewed	
15	Studies on decolorization of melanoidin Pigment distillery spent wash by microorganisms	YMER, 21(09), 86-102	0044-0477	Peer reviewed	
16	Photocatalytic degradation of malachite green using TiO ₂ nanosphere synthesized by	International Journal of Advance and Applied Research, 4 (12), 69-78	2347-7075	Peer reviewed	

Aspergillus eucalypticola SLF1 Lonar lake				
--	--	--	--	--

D) Paper Presentation in Conference /Seminar/ Symposia:

Sr. No	Title of paper	Name of the Conference/Seminar/Symposia Details (Title, Date, Page No etc.)	Level (Intl/Natl/State /Uni etc.)	Organizing institute
1	Extraction of Bacterial Pigments and Its Application in Cosmetics	Emerging Trends in Applied Microbiology and Food Science (ETAMFS)-2022	International	Department of Microbiology and Food Processing & Packaging, Yashavantrao Chavan Institute of Science (Autonomous), Satara (MS), India
2	Photocatalytic degradation of Malachite green using TiO ₂ nanosphere synthesized by <i>Aspergillus eucalypticola</i> SLF1 lonar lake	International Conference on Nano-Biotechnology (ICNB'23)	International	Department of Biotechnology, Nanoscience & Technology, Yashavantrao Chavan Institute of Science, Satara-415001
3	Green synthesis of TiO ₂ Nps by mycogenic culture mediated route for antimicrobial activities	1 st International web conference on Advances in material in science and applied biology (ICAMSAB-22)	International	Ramanandnagar Burli
4	Green synthesis biodiesel from algae as renewable sources of	Interdisciplinary approaches in life science (NCIALS-2020)	National	YCIS, Satara

	energy			
5	Microbially synthesized titanium dioxide for NO ₂ gas sensing application	International conference on emerging trends and challenges in electronics and computing (ETEC-2021)	International	YCIS, Satara
6	Bioremediation via mycogenic synthesized TiO ₂ Nanoparticles	Sixth International conference on advances in material science (ICAMS-2021)	International	RRM, College Jath
7	TiO ₂ nanoparticles synthesis by an isolated fungus	International E-conference on current approaches in life-sciences for sustainable development (ICCALSSD-2021)	International	YCIS, Satara
8	Green synthesis of rGO nanoparticles and its photocatalytic and antimicrobial application	International E-Conference on "Sustainable Development in Chemistry & Scientific Applications (SDCSA-2021)	International	SGM, College Karad
9	TiO ₂ nanoparticles synthesis by an isolated fungus	Emerging Trends in Physical Sciences NCETPS-2020	International	Department of Physics, PK Mahavidhyalaya, Ramanandnagar Burli
10	Green synthesis of α -Fe ₂ O ₃ Nps by Aspergillus oryzae culture mediated biogenetic route for photocatalytic	International E-conference in biological science	International	IGMS, JSPM, Pune, India

	and antimicrobial activities			
11	Photocatalytic degradation of methylene blue dye using green TiO ₂ nanomaterial	1 st International conference on Recent Trends in Physical, Chemical, Biological Nanoscience (ICRT-PCBNano-2022)	International	LBS college, Satara
12	Green synthesis of nanobiofactory for photocatalytic application	International E-conference in biological science	International	IGMS, JSPM, Pune, India
13	Microbial synthesis of nanomaterial for bioremediation of dye	International Conference on New Horizons and Trends in Chemical Sciences (ICNHTCS-2022)	International	RBSM, Nagpur
14	Plant mediated synthesis of TiO ₂ nanomaterial for anticancer activity	International Twitter conference Nanobio 19	International	New college Kolhapur
15	Green synthesis of nanomaterial for biological application	International conference on multifunctional and hybrid materials for energy and environment (MHMEE-2020)	International	Department of Physics, YCIS Satara
16	Green synthesis characterization and antimicrobial application of TiO ₂ -rGO composite using	International Conference on "Emerging Trends in Material Science"	International	Department of Physics & Chemistry in association with IQAC, D. P. Bhosale College, Koregaon

	mycobacterial route			
17	Green synthesis of TiO ₂ nanomaterial for malachite green dye remediation	One dya National Conference on Physical, Chemical and Biological Strategies, Tools and Ideas for Promising Future	National	Faculty of Science and IQAC of KNBhise college Kurduwadi
18	Green synthesis of rGO nanosheets for antimicrobial activity	National Conference on EMERGING TRENDS IN CHEMICAL AND MATERIAL SCIENCES	National	Department of Chemistry SUK, Kolhapur

E) Citation Index

	Google Scholar	Scopus	Web of Science
Citations	11	9	-
h-index	1	-	-
i10-index	1	-	-

❖ Participation in Orientation/Refresher/FDP/Short Term/Training Programs:

Sr. No.	Name of the programme	Organizing institute	Date
1	One week training program on R&D equipment under Atmanirbhar Bharat (STUTI)	SRTMU, Nanded	25 th July 2022 to 31 st July 2022
2	One week STTP on Recent Trends in Research Methodology	REST Society for Research International (RSRI), Krishnagiri, Tamil Nadu, India	25 th May 2020 to 29 th May 2020
3	Research Ethics and Plagiarism	IGNOU, Swayam New Delhi	01 st January to 31 st January 2022
4	Data analysis using SPSS	RIRD, Satara	10 th August to 11 th August 2022
5	One Week Faculty Development Programme on "Open Source Tools for Research	Ramanand College, University of Delhi	08 th June to 14 th June 2020
6	FDP on Biomedical Nanotechnology	NPTEL, Swayam	1 st Sept to 31 st Oct 2020
7	E-Content Development for Teaching and Learning	IQAC and Department of Chemistry, Sadguru Gadage Maharaj College, Karad	20 th July 2020 to 25 th July 2020

8	One day National level FDP on Restructuring the Educational Scenario through Innovation in Teaching Learning	IQAC Master Soft ERP Solutions Pvt. Ltd Nagpur	11 th July 2020
9	One Week Faculty Programme on Academic and Professional Development	Internal Quality Assurance Cell under the aegis of State Project Directorate, RUSA, Maharashtra	19 th Oct to 24 th Oct 2020
10	One Week Online Training Programme on "IPR-Patenting System in India	Rajiv Gandhi National Institute of Intellectual Property Management (RGNIIPM), Nagpu	6th to 10th of June, 2022

❖ **Participation in Conference/Seminar/Symposia/Workshop/Any other programs:**

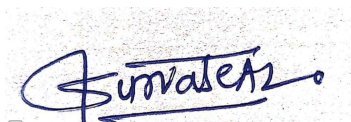
Sr. No.	Name of the event	Organizing institute	Level (Intl/Natl/State/Uni/Local etc.)	Date
1	Biofarming Awareness Program	Microbiology Society of India, Department of Microbiology, BAMU, Osmanabad	Local	23 th January 2013
2	State level competition	Department of Microbiology, Rajaram College, Kolhapur	State	01 st September 2013
3	Program on Recent Trends in Solid Waste Management	Microbiology Society of India, Department of Microbiology, BAMU, Osmanabad	Local	10 th January 2014
4	Exploring Microbial Biotechnology	Walchand College, Solapur & Microbiology Society of India	State	12 th January 2014
5	Indian Science Congress Conference	University of Mumbai	International	3-7 January, 2015
6	Indian Science Congress Conference	University of Mysuru	International	3-7 January, 2016
7	Bioactive Molecules and their Therapeutic Values: Current Status (BMTVCS 2016)	School of Life Science, SRTMU, Nanded	National	13 th -14 th March 2016

8	International conference on chemistry, environment and energy (ICCEE-2019)	Department of Chemistry, YCIS Satara	International	16 th to 18 th Feb. 2019
9	IPR Awareness Programm	IQAC YCIS, Satara	Local	14 th March 2020
10	Advanced Functional Nanomaterials and Their Device Applications	Department of Physics and IQAC Krishna Mahavidyalaya, Rethare Bk	International	10 th August 2020
11	International conference on advanced materials synthesis, characterization and applications (amsca - 2022)	Department of Physics, SPPU	International	18 th to 20 th October 2022
12	One Day International Symposium on Advances in Photocatalysis”(Virtual Mode)	Department of Physics, Raje Ramrao Mahavidhyalaya Jath	International	13 th April 2022
13	International Conference on Aquaculture for Rural Development	Department of Zoology, Dadapatil Rajale College, Adhinathnagar	International	07 th May 2022

❖ **Resource person in Conference/Seminar/Workshop/Any other programs:**

Sr. No.	Title of the event	Level (Intl/Natl/State/Uni./local etc.)	Organizer	Date
1	Guest lecture- NET/SET Examination Guidance and Opportunities of Research'	Local	KN Bhise college Kurduwadi	15 th Feb, 2020
2	Hands on Training on UV-Visible spectrophotometer and FTIR	Local	YCIS, Satara	11 th March, 2022

3	Hands on Training workshop on Advanced tools for material synthesis and characterization	Local	YCIS, Satara	26 th April, 2023
---	--	-------	--------------	------------------------------



Signature of Faculty