



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. Jadhav Amol Sheshrao
Designation : Assistant Professor
Department : Microbiology
Educational Qualification : M.Sc. NET, SET, Ph.D. (Microbiology)
Date of Appointment : 18/11/2021
Teaching Experience : UG: 5.8 years
PG: 1.6 years
Research Experience : 2 years
Research Area : Medical Microbiology, Virology, Oncology,
Environmental Microbiology.



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

Sr. No.	College/University	Degree	Subjects	Year	Class/Percentage
1	SRTMU, Nanded	Ph.D. (Pursuing)	Microbiology	From 2021	
2	SRTMU, Nanded	M.Sc.	Microbiology	2016	First Class
3	Janata Mahavidyalaya, Chandrapur (RTMNU, Nagpur)	B.Sc.	Microbiology	2014	Second Division

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

Sr. No.	Name of the award/honor/recognition	Awarding Organization	Date and year
1	Best Anchor Award	International Journal of Microbial Science	7 th Nov. 2020
2	Motivation Award	Microbiologist Society, India	17 th Feb. 2020

❖ **Worked as Editor/Reviewer to Journals/Books/Proceedings etc.**

Sr. No.	Name of the Journal/Book/Proceedings	ISSN/ISBN No.	Assignment (Editor/Reviewer)	Publisher	Publication year
1	Bacterial Physiology and Fermentation Technology (MB 212)	978-93-5473-705-3	Editor	My Rays Publication Centre	2021
2	Marine Microbiology	978-93-93337-11-5	Editor	My Rays Publication Centre	2022

❖ **Details of Research Publications**

A) Patent

Sr. No.	Title	Patent No.	Indian/US/ Any other	Granting date
1	Biosensors equipped lung cancer detecting device	379776-001	Indian	

B) Books/Book Chapters

Sr. No.	Title	Publisher	Year of Publication	ISBN No	Type (Reference/Text)
1	Metabolism & Molecular Biology (MB 368)	My Rays Publication Centre	2022	978-93-93337-04-7	Text
2	Handbook on Media Preparation	Notion Press	2022	979-888935139-9	Practical text book

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.	Isolation, identification, and characterization of oil degrading bacteria from Satara S.T. stand workshop	Bulletin of Environment, Pharmacology and Life Sciences, 1(Special issue 1), 495-499.	2277-1808	Web of Science	
2.	Isolation and identification of nitrogen fixing bacteria from Thoseghar soil samples.	Bulletin of Environment, Pharmacology and Life Sciences, 1(Special issue 1), 466-471.	2277-1808	Web of Science	
3.	Isolation and identification of chlorpyrifos degrading bacteria and its growth response.	Bulletin of Environment, Pharmacology and Life Sciences, 1(Special issue 1), 455-459.	2277-1808	Web of Science	
4.	Antibacterial activity of Hibiscus rosa sinensis against human pathogenic microorganisms by varying different parameters.	Bulletin of Environment, Pharmacology and Life Sciences, 1(Special issue 1), 335-340.	2277-1808	Web of Science	

5.	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	
6.	Antimicrobial activity of Lantana camara on hospital-acquired infectious pathogens.	Bulletin of Environment, Pharmacology and Life Sciences, 1(Special issue 1), 264–267.	2277-1808	Web of Science	
7.	Screening and optimization of biosurfactant producing <i>Pseudomonas aeruginosa</i> (ATCC 39324).	Bulletin of Environment, Pharmacology and Life Sciences, 1(Special issue 1), 93–99.	2277-1808	Web of Science	
8.	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	
9.	Microbial evaluation of cosmetic products.	Bulletin of Environment, Pharmacology and Life Sciences, 1(Special issue 1), 536–541.	2277-1808	Web of Science	
10.	A Review on Trans-fat: Sources, disorders, and alternatives.	Bulletin of Environment, Pharmacology and Life Sciences, 1(Special issue 1), 83–86.	2277-1808	Web of Science	
11.	A pictorial review of Mucor mycosis: A threat in the COVID-19 pandemic.	Bulletin of Environment, Pharmacology and Life Sciences, 1(Special issue 1), 79–82.	2277-1808	Web of Science	
12.	A review on mycoprotein as an alternative source of meat protein.	Bulletin of Environment, Pharmacology and Life Sciences, 1(Special issue 1), 73–74.	2277-1808	Web of Science	
13.	A review on emerging viruses from glacier ice melt.	Bulletin of Environment, Pharmacology and Life Sciences, 1(Special issue 1), 69–72.	2277-1808	Web of Science	
14.	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	
15.	A Review on Multiple Drug Resistance of Staphylococcus aureus and Future Assessment.	Bulletin of Environment, Pharmacology and Life Sciences, 1(Special issue 1), 6–10.	2277-1808	Web of Science	

16.	A Review on Cancer therapies and vaccine.	Bulletin of Environment, Pharmacology and Life Sciences, 1(Special issue 1), 1–5.	2277-1808	Web of Science	
17.	Monkeypox in India and its Myths	International Journal of Microbial Science, 3(1), 47–49.	2582-967X	Peer reviewed	
18.	Variants of SARS-CoV-2.	International Journal of Microbial Science, 3(1), 29–32.	2582-967X	Peer reviewed	
19.	Analysis of expression of efflux pump (mexc2) gene in drug resistant <i>Pseudomonas aeruginosa</i> .	YMER, 21(08), 1075-1083	0044-0477	Scopus	
20.	Mitochondrial Cytochrome c Oxidase Subunit I (COI) Gene for Identification of Stink Bugs: Review	The International Journal of Microbial Science, 2(1),29-35	2582-967X	Peer reviewed	
21.	Microbial Robotics for Cancer Treatment: Review.	The International Journal of Microbial Science, 1(1),43-46	2582-967X	Peer reviewed	
22.	Spoilage and preservation of milk and milk products: A review.	Journal of Emerging Technologies and Innovative Research, 6(6), 173–179.	2349-5162	Peer reviewed	

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	Spoilage and preservation of milk and milk products: A review.	International Conference on Bioengineering and Life Sciences (ICBL) 2020	International	Department of Zoology, New Arts, Commerce & Science College, Ahmednagar, Maharashtra, India.
2	Isolation and identification of nitrogen fixing bacteria from Thoseghar soil samples.	Emerging Trends in Applied Microbiology and Food Science (ETAMFS)-2022	International	Department of Microbiology and Food Processing & Packaging, Yashwantrao Chavan Institute of Science (Autonomous), Satara (MS), India

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

Sr.	Name of the programme	Organizing institute	Date
-----	-----------------------	----------------------	------

No			
1	e-short term course on “Common Microbial Disease”	Department of Microbiology, Shri Vyanktesh Arts, Commerce and Science College, Deulgaon Raja, Buldhana (M.S., India).	27/04/2020 to 03/05/2020
2	One Week Online Faculty Development Programme on “APPLICATION OF GEOGEBRA”	Hansraj Jivandas College of Education, Khar (Mumbai) and Spoken Tutorial IIT, Bombay and Department of Computer Science and Engineering.	28 April 2020 to 04 May 2020
3	Two Days training on “ISO 22000:2018 (Food Safety Management System”	CFT Ghargaon and Safe Foodz Solutions	29&30 November 2018

❖ **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	Indian Science Congress Conference	University of Mumbai	International	3-7 January, 2015
2	Indian Science Congress Conference	University of Mysuru	International	3-7 January, 2016
3	Two Days national Seminar on “Natural products in the Era of Drug Resistance”	SRTM University, Nanded	National	2-3 March, 2019
4	International Conference on Bioengineering and Life Sciences (ICBL) 2020	Department of Zoology, New Arts, Commerce & Science College, Ahmednagar, Maharashtra, India.	International	11 & 12 February, 2020
5	Emerging Trends in Applied Microbiology and Food Science (ETAMFS)-2022	Department of Microbiology and Food Processing & Packaging, Yashavantrao Chavan Institute of	International	2 & 3 December, 2022

		Science (Autonomous), Satara (MS), India		
6	International conference on Nonobiotechnology	Yashavantrao Chavan Institute of Science (Autonomous), Satara (MS), India	International	17 & 18 March 2023

Signature of Faculty