



॥ विद्या विनयेन शोभते ॥

Janardan Bhagat Shikshan Prasarak Sanstha's

CHANGU KANA THAKUR

**ARTS, COMMERCE AND SCIENCE COLLEGE, NEW PANVEL
(AUTONOMOUS)**

Re-accredited 'A+' Grade by NAAC (3rd Cycle - CGPA 3.61)

'College with Potential for Excellence' Status Awarded by UGC

'Best College Award' by University of Mumbai

FACULTY PROFILE



1. General Information

Name of the Faculty	:	Dr. VEMULA ANVESH NARSHIMLU LAXMI
Name of the Department	:	Microbiology
Educational Qualifications	:	M. Sc. Microbiology, ICAR-NET (Agricultural Microbiology) MH-SET (Life Science) Ph. D. Microbiology (University of Mumbai)
Present Position	:	Assistant Professor
Address for Correspondence	:	711, Building No. 7, Pushp Vinayak Society, Adai, Panvel 410206
E-mail	:	vemulaanvi@gmail.com
Contact Number	:	9975 565 244
Specialization	:	Genetics
Total teaching experience	:	11 (UG-11, PG-08)
Courses taught	:	F. Y. B. Sc.: Fundamentals of Microbiology & Basics of Microbiology S. Y. B. Sc.: Introduction to Metabolism and Enzymology & Estimation of Biomolecules and Introduction Bioenergetics and Biostatistics T. Y. B. Sc.: Microbial Genetics & Applied Biotechnology M. Sc. I: Microbial Genetics & Molecular Genetics I & II M. Sc. II: Applied and Environmental Monitoring & Management M. Sc. II: Cell Biology



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2. Publication of Research Papers:

UGC Care listed Journal	:	08
Peer-reviewed Journal	:	02
Non-peer reviewed journals	:	05

3. List of Publication of Research Papers:

Sr. No.	Year of Publication	Title of Paper	Journal with ISSN No.	Vol. and Page No.	Peer Reviewed /UGC Care list Journal
1	2015	Microbiological Analysis of Milk in Panvel Area	Anugoonj	4: 48- 55	Non-Peer Reviewed
2	2016	Environmental Monitoring of Air Conditioned Offices in Khanda Colony Area.	Anugoonj	5: 56-59	Non-Peer Reviewed
3	2017	Isolation of Probiotic Microbe with Anti-gastrointestinal Pathogen activity from fermented food samples	Conference Proceedings		Non-Peer Reviewed
4	2017	Efficacy testing of preservatives in ophthalmics	Anugoonj	6: 49-52	Non-Peer Reviewed
5	2018	Extraction, Characterization and Formulation of Lactobacillus Derived Bio-Surfactant Inhibiting Biofilm Formation of Human Opportunistic <i>Candida albicans</i>	International Journal of Pharmacy and Biological Sciences ISSN: 2230-7605	8(1):92-97	UGC Care



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6	2019	Seed Priming with Chitosan for Enhanced Plant Growth under Salt Stress	International Journal of Pharmacy and Biological Sciences	9(3): 06-11	UGC Care
7	2019	Probiotics: Potential Bio-Therapeutics for Lowering Cholesterol	International Journal of Pharmacy and Biological Sciences ISSN: 2230-7605	9(3): 70-73	UGC Care
8	2019	Isolation and Characterization of Xylanase Producing Bacteria and Optimization of Parameters for Xylanase Production	International Journal of Pharmacy and Biological Sciences ISSN: 2230-7605	9(3): 1382-1390	UGC Care
9	2021	Immobilization of Titanium Dioxide based Nanoformulation for Enhancement of Plant Growth under environmental Stress condition	International Journal of Innovative Research in Technology ISSN: 2349-6002	8 (6): 283-288	UGC Care
10	2022	Chitosan Bionanocomposite: A Potential Approach for Sustainable Agriculture	Medicon Agriculture & Environmental Sciences ISSN: 2972-2691	2.2: 41-46	Peer Reviewed
11	2022	Heavy Metal Free Potable Water: Application of Bio-Emulsifier Produced by <i>Acinetobacter</i> Species Isolated from Soil in Lead Removal	World Journal of Pharmacy and Pharmaceutical Sciences ISSN 2278 – 4357	11 (6) 1858-1871	Peer Reviewed



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12	2022	Testing Mutagenicity Potential of Food Additives by Ames Test from Panvel Area	Anugoonj	10: 43- 46	Non-Peer Reviewed
13	2023	Isolation, Characterization and Screening of Marine <i>Pseudomonas</i> Sp. for Bioactive Compounds and their Potential Use as Anti-Microbial and Anti-Oxidant Agent	Bull. Env. Pharmacol. Life Sci. ISSN 2277-1808	Spl Issue [1]: 198-205	UGC Care
14	2023	Exopolysaccharide (EPS) Production and Characterization from Aquatic Isolates.	A Journal of Composition Theory ISSN:0731-6755	16 (7): 14-17.	UGC Care
15	2023	Isolation and Characterization of Bacterial Lipids and its Application as Antioxidant Agent	Journal of Advanced Zoology ISSN: 0253-7214	44(S-8): 133-140	UGC Care
16	2023	Production of Cellulose by Isolating Efficient Bacterium & Study its Suitable Application	Conference Proceedings	181-192	Peer Reviewed

4. Minor Research Project Completed:

Sr. No.	Year	Title of the Project	Name of the Funding Agency	Amount
1	2020	Isolation of Efficient Exopolysaccharide Producing Bacteria and Studies on Its Eco-Friendly Applications	Rashtriya Uchcharat Shiksha Abhiyan, India.	Rs. 1,00,000/-
2	2022	Production of Cellulose by Isolating Efficient Bacterium & Study its Suitable Application	Seed Money by Institution	Rs. 17,000/-
	2024	Design and evaluation of low-cost carriers and delivery systems for bio-fertilizer application in diverse agricultural settings	Rashtriya Uchcharat Shiksha Abhiyan, India.	Rs. 3,50,329/-



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5. Participation in conferences, symposia, seminars and workshops:

Level	Presented paper	Only attended	Chaired session	Resource person
International	--	02	--	--
National	01	08	--	--

6. Conferences, symposia, seminars and workshops organized as convener/co-convener:

Level	Convener	Co-convener
International	--	--
National	--	--

7. Experience on the various committees at the college:

- OFFICE BEARER, ALUMNI ASSOCIATION
- MEMBER, PLACEMENT CELL
- MEMBER, GYMKHANA ASSOCIATION
- MEMBER, AVISHKAR ASSOCIATION
- MEMBER, CRITERION IV: INFRASTRUCTURE & LEARNING RESOURCES
- MEMBER, POST GRADUATION EXAMINATION CELL
- MEMBER, RASHTRIYA UCHCHATAR SHIKSHA ABHIYAN CELL

8. Experience on the NAAC/ IQAC of the college

MEMBER, CRITERION IV: INFRASTRUCTURE & LEARNING RESOURCES

9. Experience on the Various Committees at the University of Mumbai / Government: NIL