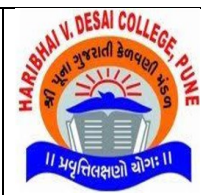




The Poona Gujarati Kelavani Mandal's
Haribhai V. Desai College
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596, Behind Shanivar Wada, Budhwar Peth, Pune, Maharashtra 411002.



Name: **Dr. Pragati S. Abhyankar**

Designation: **Professor**

Qualification: **M.Sc,SET,Ph.D**

Years of Experience: **31 years**

College Committees: **CDC, ICC, NEP, Research and Development**

Awards/Achievements: **1. Best Teacher Award by PGK Mandal**

2. Best Teacher State Level Award by Microbiology Society of India



- 3.26 articles in Marathi published in daily newspaper Sakal, Sunday supplement Saptrang**
- 4. Member of BOS (Microbiology), SPPU, Pune**
- 5. Ph.D Research Guide in Microbiology and Environmental Science**

Important links: **1. Vidwan id - 407305**

2. Orcid no.- 0000-0002-2451-0430

Institutional email id: pragati.abhyankar@hvdesaicollege.edu.in

Research Details-----

Ph.D Topic	Identification and characterization of Lactic Acid Bacteria and their novel antifungal compounds and their applications in preservation of fruits and vegetables
Research Areas	Lactic Acid Bacteria, PGPR, Enzymes, Fermentations, Microbial Products
Research Projects Handled	BCUD-2 UGC-1

Worked as **project Guide** for the M.Sc. Dissertations for more than 20 students.

Research Publications

S No	Title with Page Nos.	Journal and Month of publication	ISSN / ISBN No.	Whether peer reviewed, Impact factor
1	Potential of Lactic Acid Bacteria in Plant Growth Promotion Author(s): P.S. Abhyankar, A.B. Gunjal, B.P.Kapadnis, S.V.Ambade	Bhartiya Krishi Anusandhan Patrika	PISSN 0303-3821 EISSN 0976-4631	Peer reviewed
2	Effect of lemongrass essential oil-based mouthwash against micro flora associated with dental plaque Sonia Ambade, Neelima Deshpande and Pragati Abhyankar	<i>Journal of Pure and Applied Microbiology</i>	ISSN 0973-7510 E ISSN 2581-690X	Peer reviewed UGC Care List 1 0,48
3	Study of virulence factors in phytopathogenic fungi from pomegranate plant Pragati S. Abhyankar, B.P.Kapadnis	International Journal of Research and Analytical Reviews (IJRAR) 2021 IJRAR October 2021, Volume 8, Issue 4	E-ISSN 2348-1269 P- ISSN 2349-5138	Peer reviewed UGC approved
4	Isolation and characterization of Lactic acid bacteria and their role in inhibiting pathogens of urinary tract infections Pragati S. Abhyankar, Pooja Jamdar, Aishwarya Pradhan	Journal of Emerging Technologies and innovative Research (JETIR) 2021 JETIR August r 2021, Volume 8, Issue 8	ISSN 2349-5162	
5	Improving the Gut Microbiota with Probiotics and Faecal Microbiota Transplantation Yogita M. Patil, Rajashree B. Patwardhan and Pragati S. Abhyankar	Journal of Pure and Applied Microbiology September 2021	Print ISSN: 0973-7510; E-ISSN: 2581-690X	

6	Application of Antifungal Products from Lactic Acid Bacteria for Post-harvest Disease Management in Vegetables and Fruits P. S. Abhyankar ¹ , B. P. Kapadnis ²	International Journal of All Research Education and Scientific Methods (IJARESM) Volume 9, Issue 10, October -2021	ISSN: 2455-6211	Peer reviewed
7	Assessment of microbial pollution in drinking water in and around Pune city, Maharashtra, India Patwardhan R. B., Abhyankar P. S. and Ambade S. V	Pollution Research Vol39 (4) : 1242-1250 December 2020	ISSN 0257–8050	Peer reviewed UGC Care list2
8	Water pollution analysis of mutha river across pune city using bod as primary parameter P. S. Abhyankar, S.V. Ambade and R.B. Patwardhan	Pollution Research 39 (: S70-S74) November 2020	ISSN 0257–8050	Peer reviewed UGC Care list2
9	Covid 19: A Biological Disaster for India Patwardhan Rajashree B. , Abhyankar Pragati S., Gore Suneeti and Kalekar Saylee V	Disaster advances Vol. 13 (10) October (2020)		Peer reviewed UGC Care list2
10	Antifungal and Antibacterial Activity of Lactic Acid Bacteria isolated from Fermented Foods and Plant Sources P.S.Abhyankar, Parineeta Maske , Divyani Shrirame	Online International Interdisciplinary Research Journal, Volume-11, Issue-03, May-June 2021	ISSN 2249-9598,	Peer reviewed
11	Antifungal Activity of Plant Isolate of Lactic Acid Bacteria against <i>Fusarium Sp.</i> Pragati S. Abhyankar, Balu P. Kapadnis	Journal of Scientific Research,BHU Volume65,Issue5,July 2021	ISSN NO. 0447-9483	Peer Reviewed UGC Care List 1
12	Studies on Antifungal compounds produced by a plant isolate of Lactic acid Bacteria <i>Leuconostoc mesenteroides</i> Pragati S. Abhyankar, Balu P. Kapadnis	Bulletin of Environment, Pharmacology and Life Sciences Volume11(12)2022	ISSN2277-1808	Peer Reviewed UGC Care List 2
13	Studies on Lowering of Cholesterol using an isolate of Lactic Acid Bacteria Sanika Pawar,Pragati Abhyankar,Shivani Kusekar,Sonia Ambade	Journal for Basic Sciences,Vol23(1)2023		Peer Reviewed UGC Care List 2

14	Combination of amoxicillin and activated charcoal against diarrhoea causing bacteria Sonia Ambade, Sharayu Garud, Dnyanada Burse, Pragati Abhyankar	Journal for Basic Sciences, Vol 23(3)2023		Peer Reviewed UGC Care List 2
15	Effect of Covid19 lockdown on water quality of Mutha River, Pune city Ambade Sonia, Abhyankar Pragati, Dipak Patil	Journal for Basic Sciences, Vol23(11)2023		Peer Reviewed UGC Care List 2
16	Comparative study of probiotic green and red cabbage juice- a nutraceutical approach Mukund ambavade, Vaishnavi Shitole, Srushti B. Tathawadkar, Pragati S. Abhyankar	Journal of Postharvest Technology, 2024, 12(1):21-30	e-ISSN 2348-4330	Peer Reviewed UGC Care List 2
17	Mycoremediation of Acetaminophen by the fungi of <i>Dothideomycetes</i> sp Isolate Meghmala Waghmode, Pragati Abhyankar and Neha Patil	Current Scientia 27(1)2024 28-39		Peer Reviewed UGC Care List 2

Books and Book Chapters

Sr. No.	Authors	Title	Year	Publisher	ISBN
1	R.B. Patwardhan P.S. Abhyankar , S.S. Gore, S. Kalekar, S. Umrani	“Biofungicidal Properties of Rhizobacteria for Plant Growth Promotion and Plant Disease Resistance. Title of book: Anti-fungal Metabolites of PGPR Page no: 103-133 https://doi.org/10.1007/978-3-031-04805-0_6	2021	International	Springer
2	Yogini Kanade Rajashree Patwardhan* Pragati Abhyankar	Properties of Violacein: A Promising Natural Pharmaceutical Secondary Metabolite from Marine Environment with Emphasis on its Anticancer activity In a Book: Marine Bioactive Molecules for Biomedical and Pharmacotherapeutic Applications, 2023 Pages 197-230 ISBN : 978-981-99-6769-8	2024	International	Springer
3	Abhyankar Pragati Sunil, Patwardhan Rajashree Bhalchandra	First year B.Sc. Microbiology Paper I, Sem I, Introduction to Microbial World	2019	Nirali Prakashan Pune, Maharashtra, India	938940695-L

4	Patwardhan Rajashree Bhalchandra, Abhyankar Pragati Sunil	First year B. Sc. Microbiology Paper II , Semester I, Basic techniques in microbiology	2019	Nirali Prakashan Pune, Maharashtra, India	938940696- X
5	Patwardhan Rajashree B, Abhyankar Pragati S	First Year B.Sc. Microbiology Paper I Sem II, Bacterial Cell and Biochemistry	2019	Nirali Prakashan Pune, Maharashtra, India	978-93- 89686-92-0
6	Abhyankar Pragati S, Patwardhan Rajashree B	First Year B.Sc. Microbiology Paper II Sem II, Microbial Cultivation and Growth	2019	Nirali Prakashan Pune, Maharashtra, India	978-93- 89686-93-7
7	Patwardhan Rajashree B, Abhyankar Pragati S	Second Year B.Sc. Microbiology Paper I Sem III, Medical Microbiology and Immunology	2020	Nirali Prakashan Pune, Maharashtra, India	978-93- 90437-12-2
8	Abhyankar Pragati S, Patwardhan Rajashree B	Second Year B.Sc. Microbiology Paper II Sem III, Bacterial Physiology and Fermentation technology	2020	Nirali Prakashan	978-93- 90437-13-9
9	Patwardhan Rajashree B, Abhyankar Pragati S	Second Year B.Sc. Microbiology Paper I Sem IV, Bacterial Genetics,	2020	Nirali Prakashan Pune, Maharashtra, India	978-93- 90596-05-8
10	Abhyankar Pragati S, Patwardhan Rajashree B	Second Year B.Sc. Microbiology Paper II Sem IV, Air, Water and Soil Microbiology	2020	Nirali Prakashan Pune, Maharashtra, India	978-93- 90596-75-1
11	Gauri Devasthali, Sonia Ambade, Patwardhan Rajashree, Abhyankar Pragati	Third Year B.Sc. Microbiology, Paper I Medical Microbiology	2021	Nirali Prakashan Pune, Maharashtra, India	978-93- 5451-424-1
12	Patwardhan Rajashree and Abhyankar Pragati	Third Year B.Sc. Microbiology, Paper II	2021	Nirali Prakashan Pune, Maharashtra, India	978-93- 5451-429-6
13	Abhyankar Pragati S and	Third Year B.Sc. Microbiology, Paper III	2021	Nirali Prakashan	978-93- 5451-142-4

	Patwardhan Rajashree,			Pune, Maharashtra, India	
14	Mangesh Deshpande, Sunita Sakure, Patwardhan Rajashree, Abhyankar Pragati	Third Year B.Sc. Microbiology, Paper IV Genetics	2021	Nirali Prakashan Pune, Maharashtra, India	978-93-5451-150-9
15	Suneeti Gore, Sayali Kalekar, Abhyankar Pragati S and Patwardhan Rajashree	Third Year B.Sc. Microbiology, Paper V	2021	Nirali Prakashan Pune, Maharashtra, India	978-93-5451-158-5
16	Vaishali Prabhune, Neelima Kulkarni, Abhyankar Pragati S and Patwardhan Rajashree	Third Year B.Sc. Microbiology, Paper VI	2021	Nirali Prakashan Pune, Maharashtra, India	978-93-5451-166-0
17	Gauri Devasthali, Sonia Ambade, Patwardhan Rajashree, Abhyankar Pragati	Third Year B.Sc. Microbiology, Paper I Medical Microbiology II	2022	Nirali Prakashan Pune, Maharashtra, India	978-93-5451-674-0
18	Patwardhan Rajashree and Abhyankar Pragati	Third Year B.Sc. Microbiology, Paper II Immunology II	2022	Nirali Prakashan Pune, Maharashtra, India	978-93-5451-675-7
19	Abhyankar Pragati S and Patwardhan Rajashree,	Third Year B.Sc. Microbiology, Paper III Metabolism	2022	Nirali Prakashan Pune, Maharashtra, India	978-93-5451-676-4
20	Mangesh Deshpande, Sunita Sakure, Patwardhan Rajashree, Abhyankar Pragati	Third Year B.Sc. Microbiology, Paper IV Molecular Biology	2022	Nirali Prakashan Pune, Maharashtra, India	978-93-5451-677-1

21	Suneeti Gore, Sayali Kalekar, Abhyankar Pragati S and Patwardhan Rajashree	Third Year B.Sc. Microbiology, Paper V Fermentation Technology II	2022	Nirali Prakashan Pune, Maharashtra, India	978-93- 5451-682-5
22	Vaishali Prabhune, Neelima Kulkarni, Abhyankar Pragati S and Patwardhan Rajashree	Third Year B.Sc. Microbiology, Paper VI Food Microbiology	2022	Nirali Prakashan Pune, Maharashtra, India	978-93- 5451-683-2
23	Sonia Ambade, Rajashree Patwardhan, Pragati Abhyankar	Second Year B. Sc. Practicals Sem III and IV MB 233 and MB 243	2022	Nirali Prakashan Pune, Maharashtra, India	978-93- 5451-180-6
24	Abhyankar Pragati S and Patwardhan Rajashree	Third Year B. Sc. Practicals Sem V MB 357 MB 358 and MB 359	2023	Nirali Prakashan Pune, Maharashtra, India	978-93- 5451-885-2
25	Rajashree Patwardhan, Pragati Abhyankar	Third Year B. Sc. Practicals Sem VI MB 367 MB 368 and MB 369	2023	Nirali Prakashan Pune, Maharashtra, India	978-81- 19115-711
26	Pragati Abhyankar	A Reference Book on Life Sciences (UGC CSIR NET/SET/SLET) Chapter 5 and Chapter 6	2024	Nirali Prakashan Pune, Maharashtra, India	978-81- 19117-04-8