



The Poona Gujarati Kelavani Mandal's

Haribhai V. Desai College

(of Arts, Science, and Commerce)

596, Behind Shanivar Wada, Budhwar Peth, Pune, Maharashtra 411002.



Name: **Dr. Sonia Ambade**

Designation: **Associate Professor**

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

Years of Experience: **27 years**

College Committees: **Criteria II Coordinator, Admission Committee, ICC,
Women Empowerment Committee**

Awards/Achievements/Association: **PhD,**

Indian Science Congress Association,

Indian Women Scientist' Association

Association of Microbiologists of India.

Ph.D Research Guide in Microbiology SPPU, Pune

Important links: **1. Vidwan id - 407304**

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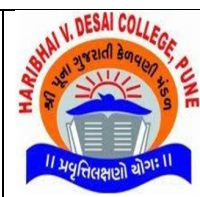
Research Details-----

Ph.D Topic	“Isolation, identification and characterization of active principle for the antimicrobial activity of <i>Cymbopogon citratus</i> against oral microflora associated with dental plaque.”
Research Areas	Medical Microbiology, Antimicrobial activity, Biofilm,
Research Projects Handled	BCUD-2 UGC-1

Worked as project Guide for the M.Sc. Dissertations for more than 10 students.



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Research Publications

S No	Name of the Author(s) (as appeared in the research article/paper)	Title of an article/paper	Name of journal, issue (volume, Year (month, page no)	Impact factor/Citati on Index
1	Ambade Sonia Neelima Deshpande	Antimicrobial and Antibiofilm Activity of Essential Oil of Cymbopogon citratus against Oral Microflora Associated with Dental Plaque	European Journal of Medicinal Plants 2019	(UGC CARE) Grp A
2	Ambade Sonia Neelima Deshpande Vivek Ambade	Antimicrobial and Antibiofilm activity of Citral and its derivative against microflora from Dental Plaque	Asian Journal of Organic and Medicinal Chemistry 2020	(UGC CARE) Grp II
3	Pragati Abhyankar Ambade Sonia Rajashree Patwardhan	Water pollution analysis of Mutha river across Pune city using BOD as primary parameter	Pollution Research 2020	(UGC CARE) Grp II
4	Rajashree Patwardhan Pragati Abhyankar Ambade Sonia	Assessment of microbial pollution in drinking water in and around pune city, maharashtra, india	Pollution Research 2020	(UGC CARE) Grp II
5	Ambade Vivek Ambade Sonia	Sars-cov-2 infecting endothelial cells, biochemical alterations, autopsy findings and outcomes in covid-19, suggest role of hypoxia-inducible factor-1	Journal of Medical Biochemistry 2021	Impact factor 9.2
6	Abhyankar Pragati Ambade Sonia	Potential of Lactic Acid Bacteria in Plant Growth Promotion	Potential of Lactic Acid Bacteria in Plant Growth Promotion 2021	(UGC CARE) Grp II

7	Ambade Sonia Abhyankar Pragati	Effect of Lemongrass Essential Oil based Mouthwash against Microflora Associated with Dental Plaque	Journal of Pure and Applied Microbiology 2022	(UGC CARE) Grp II
8	Ambade Sonia Garud Sharayu Dnyanda Burase Abhyankar Pragati	Combination of amoxicillin and activated charcoal against diarrhea causing bacteria.	Journal of Basic Science 2023	(UGC CARE) Grp II
9	Sanika Pawar , Pragati Abhyankar, Shivani Kusekar, Sonia Ambade	Studies on lowering of Cholesterol using an isolate of Lactic acid Bacteria	Journal of Basic Science 2023 Volume 23, Issue 1, 2023	(UGC CARE) Grp II
10	Ambade Vivek Sonia Ambade, Vaibhav Sharma,	Comparison between Amino Acid Profiling of Structural Proteins of earliest and recent omicron strain of SARS-CoV-2 and Nutritional Burden on COVID-19 patients	Human Nutrition & Metabolism (2023): 200220	Pub Med Indexed Impact Factor 1.9
11	Ambade Sonia Abhyankar Pragati Dipak Patil	Effect of covid-19 lockdown on water quality of Mutha river, Pune city.	Journal of Basic Science 2023 Volume 23, Issue 11, 2023	(UGC CARE) Grp II

Books and Book Chapters

Sr. No.	Authors	Title	Year	Publisher	ISBN
1	Sonia Ambade Abhyankar Pragati S, Patwardhan Rajashree B	Second Year B.Sc. Microbiology Practical Sem III and Sem IV,	2020	Nirali Prakashan Pune, Maharashtra, India	978-93-90596-75-1
2	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
3	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