



Profile of the Faculty

1. General Information:

Name of the Faculty	:	Mrs. Gandharkar Archana Nishant
Name of the Department	:	Department of Microbiology
Educational Qualifications	:	M.Sc. (Microbiology), DBM, Certified Internal Auditor for ISO 9001-2000/2008 for total quality control, Pursuing Ph.D.
Present Position	:	Assistant Professor
Address for Correspondence	:	At-Post-Nawade, Tal-Panvel, Dist.-Raigad, Maharashtra 410206
E-mail	:	archana.gandharkar@gmail.com
Contact Number	:	9769784676
Specialization	:	Microbiology
Total teaching experience	:	14 Years
Courses taught	:	<u>F.Y.B.Sc</u> Vocational skill enhancement course on Water and Food analysis <u>S.Y. BSc.</u> Introduction to fermentation technology and Applied Microbiology, and Introduction to Medical Microbiology and immunology, <u>T.Y.B.Sc.</u> Bioprocess Technology-I & Bioprocess Technology-II <u>M.Sc. Part I</u> Cell Biology and Virology,

		Environmental Microbiology Microbial biochemistry Research Methodology <u>M.Sc. Part -II</u> Food Microbiology and Pharmaceutical Microbiology <ul style="list-style-type: none"> ➤ Certificate course in Applied Biotechnology ➤ Diploma Course in Applied Biotechnology ➤ Bridge Courses (F.Y.B. Sc and T.Y.B. Sc)
Research experience	:	09 Years
Number of students registered for Ph.D. degree	:	Nil
Number of students awarded Ph.D. degree	:	Nil
Number of students registered for P.G degree by research		Nil
Number of students awarded P.G degree by research		Nil

2. Publication of Research Papers:

UGC listed journals	:	03
Peer-reviewed journals	:	00
Non-peer reviewed journals	:	07
Conference proceedings	:	04

3. List of Publication of Research Papers: Papers published in UGC care list journal

1. **Gandharkar A.N.** Titanium dioxide: Advances in research and application, IJSR, ISSN 2319-7064. April-22.
2. **Gandharkar A.N.** Comparative analysis of pipe-borne water and other sources of water within Panvel city for human consumption. Phallanx: A Quarterly review for Continuing

Debate, Vol 18, No-1Jan-March ,2023 (UGC Care Listed Journal)ISSN 2320-7698, PP-216-227.

3. Shinde Sayali, **Gandharkar A.N**, Tidar N.P , Isolation, characterization, and identification of pesticide-degrading bacteria from a soil sample”A Journal Of Composition Theory. 16 (7): 18-23.

Papers Published in Peer Reviewed Journals

SN	A. Y.	Author and Co-authors	Title of Paper	Level	Details of Publication	Whether Listed in International Database	Impact Factor, Citation Index, h index, SNIP, SJR
01	2012-13	Mrs. A.N.Gandhrakar	Survey on Fertilizers/Pesticides	National	Anugoonj Issue 2, 2012-13 ISSN 2348-9731, Pp 49-51	---	---
02	2013-14	Mrs. A.N.Gandhrakar	Effect of industrial effluent on water quality of Kashedi River at Taloja M.I.D.C., Maharashtra	National	Anugoonj Issue 3, 2013-14 ISSN 2348-9731, Pp 46-54.	---	---
03	2014-15	Mrs. A.N.Gandhrakar	The Microbial Evaluation of contact surfaces of hotels from Panvel region.	National	Anugoonj Issue 3, 2014-15 ISSN 2348-9731, Pp.42-47.	---	---
04	2015-16	Mrs. A.N.Gandhrakar	Isolation and Characterization of	National	Anugoonj Issue 5, 2015-16	---	---

			bacterial flora from Indian Currency circulating in Panvel city, Raigad		ISSN 2348-9731, Pp 49-53.		
05	2016-17	Mrs. A.N.Gandhrakar	Survey on consumer attitudes and knowledge towards use of antibiotics among the citizen of Panvel	National	Anugoonj Issue 6, 2016-17 ISSN 2348-9731	---	---
06	2020-21	Mrs. A.N.Gandhrakar	Microbial Analysis of Drinking Water in Villages Near to M.I.D.C. Panvel Region	National	Anugoonj Issue 9, 2020-21 ISSN 2348-9731, Pp 11-17		
07		Mrs. A.N.Gandhrakar	Survey on microbial analysis of Mask	National	Anugoonj Issue 11, 2012-13 ISSN 2348-9731, Pp 1-8		

Paper Published in Conference Proceeding

SN	A.Y.	Author and Co-authors	Title of Paper	Level	Title, Venue, ISSN/ ISBN, Page No.	Impact Factor
01	2016-17	Ms. Samruddhi Patil, Mrs.A.N. Gandharkar	Isolation, Identification and Characterizations of Bacteriocin-Producing Bacteria	National	Frontiers in Applied Biological and Chemical Sciences.Smt. Chabdbibai Himathmal Mansukhani College, Ulhasnagar	---

			and its antimicrobial activity			
02	2019-20	Ms. Jogalekar Prajakta Pramod, Mrs..A. N Gandharkar	Assessment of in vitro Antimicrobial and Antioxidant's Activity of Tamarindus indica and Pithecellobium dulce Leaf extract	National	Expanding Panorama of Microbiology, C. K. Thakur ACS College, New Panvel,	--
3	2020-21	Ms. Uma Hotti, Mrs.A.N. Gandharkar	Study of Biodegradation of Dye-Based Industrial Effluent Using Efficient Microbial Isolates	International E-conference	Frontiers in Industrial Biotechnology, St. Joseph College of Engineering, OMR, Chennai	—
4	2022-23	Mrs A.N.Gandharkar	Isolation, Identification and Characterizations of Collagenase Producing organisms and its potential	International	Current trends in Life sciences (INT-SCTLS-2023)	

			Applications.			
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4. Books authored:

International Publisher	:	01
National Publisher	:	Nil
Chapter in an edited book	:	01
Edited book by an international publisher	:	Nil
Edited book by National publisher	:	Nil

5. List of Books authored:01

6. Major Research Project Completed:01

Title of the project	Date of sanction	Duration	Grant received	Funding agency
Comparative Analysis of Pipe borne Water and Other Sources Of Water Within Panvel City For Human Consumption.	10/12/2020	2 years	1,00,000/-	RUSA

7. Minor Research Project Completed/Ongoing:Nil

Title of the project	Date of sanction	Duration	Grant received	Funding agency
	November-2020	One Year	1,00,000/-	RUSA

8. Patents: Nil

Status	National	International
Applied	Nil	Nil
Granted	Nil	Nil

9. List of patents: Nil

10. Membership: Life Membership of Microbiologist Society, India

11. Consultancy service provided and Revenue generated: Nil

12. Academic Staff College Orientation/Refresher courses attended:

Name of the Course	Place	Duration	Sponsoring Agency
Orientation Course	Nil	-	-
Refresher Course	Online conducted byPMMMNTT and Teaching-learning center Ramanujan College, University of Delhi	2 Weeks (20/04/2020-06/05/2020)	Self
Short Term Course	Online conducted by Ramanujan College Delhi	One week	Self

13. participation in conferences, symposia, seminars, and workshops:

Level	Presented paper/poster	Only attended	Chaired session	Resource person
International	03	05	Nil	Nil
National	02	22	Nil	Nil
State	Nil	10	Nil	Nil
University	Nil	03	Nil	Nil
College workshop	Nil	12	Nil	Nil

**14. Participation in conferences, symposia, seminars, and workshops:(Online Mode)
Webinar**

A) Participation in Webinar

Sr.no	Title of Webinar	Date	College/Institute	Level
01	Webinar on IPR, Copyright, and Plagiarism	17 April 2020	C.K. Thakur ASC College, Khanda Colony (Autonomous College)	College

02	Webinar on Citation Tool: Zotero	25 April 2020	C.K. Thakur ASC College, Khanda Colony (Autonomous College)	College
03	International webinar on 'Interdisciplinary Scientific Research: Status and Opportunities	12/05/2020	Rayat Shikshan Sanstha's Karmaveer Bhaurao Patil College, Vashi, Navi Mumbai (Autonomous College)	International
04	Webinar on Research Methodology	30/04/2020	Rayat Shikshan Sanstha's Karmaveer Bhaurao Patil College, Vashi, Navi Mumbai (Autonomous College)	National
05	Webinar on Google Classroom	10 th May 2020	C.K. Thakur ASC College, Khanda Colony (Autonomous College)	College
06	Webinar on Learning Mathematics: Make Easy With GEOGEBRA	28 th April 2020	C.K. Thakur ASC College, Khanda Colony (Autonomous College)	College
07	Webinar on Chromatography types and its recent applications	13 th May 2020	K.C. College, Mumbai	National
08	Webinar on Fun with Mathematics		C.K. Thakur ASC College, Khanda Colony (Autonomous College)	College
09	Webinar on LinkedIn	15th May 2020	C.K. Thakur ASC College, Khanda Colony (Autonomous College)	College
10	Webinar on "Attitude change Management and work ethics in COVID 19 Scenario"	23 rd May 2020	C.K. Thakur ASC College, Khanda Colony (Autonomous College)	National
11	Two days National level webinar on "Impact of Force Majeure Clause during COVID -19 Pandemic"	11 th - 12 th June 2020	S.I.W.S College, Mumbai	National

12	Webinar on RT-PCR -A molecular Diagnostics Test for COVID 19	13 th May 2020	B.K. Birla College, Kalyan	National
13	Webinar on “Yoga for Life”	21 st June 2020	Tilak College of Science and Commerce, Vashi.	National
14	Development of viral vaccine and preventive measures in pandemic	17 th May 2020	Department of Microbiology and Biotechnology, University School of Sciences, Gujrat University, Ahmedabad	National
15	Nanomaterial synthesis is an Emerging Facet of the world	20 th May 2020	Late Pushpa Devi Patil Arts and Science College, Risod Dist. Washim (M.S.)	International
16	Biodiversity conservation: Roles of Social, Legal, and Financial institution	6 th June 2020	Somaiya College, Vidyavihar	National
17	Boost Research Navigation through RAX	13 th June 2020	Somaiya College, Vidyavihar	National
18	Avenues in Microbiology	20 th June 2020	S.I.W.S College	National
19	National workshop on Blended Approaches in Biosciences	28 th -30 th June 2020	Microbiologist Society, India	National
20	Webinar on Recent advances in Bioscience	28 th June 2020	Smt.Kasturbai Walchand College Arts & Science,Sangali	National
21	Two days National workshop on Blended Learning Approaches in teaching	17-18 th July 2020	Microbiologist Society, India	National
22	Trends in Intellectual Property Rights”	18 th June 2021.	C.K. Thakur ASC College, Khanda Colony (Autonomous College)	National
23	InternationalSeminar on AccountingEducation and Research:Opportunities and challenges	28 and 29 April 2022	C.K. Thakur ASC College, Khanda Colony (Autonomous College)	International
24	NationalSeminar onPopulation,Society,	19/04/2022	C.K. Thakur ASC College,	National

	Development and Environmental Sustainability		Khanda Colony (Autonomous	
25	International Seminar on Accounting Education and Research: Opportunities and challenges	28 and 29 April 2022	C.K. Thakur ASC College, Khanda Colony (Autonomous College)	International
26	National Webinar "Srujan-Transforming ideas to patents for Commerce and IT faculties"	24 April 2023	SIES (Nerul) College of Arts, Commerce and Science, Vashi	National

B) Active participation in various Courses offered by different agencies like MOOCs/MHRD/UGC/WHO etc.

Sr.No.	Title of course joined	Course offered by	Duration of course	Date of joining	Status of course (completed/ongoing)
01	FINE TUNING RESEARCH PLANNING USING ELSEVIER TOOLS: SCIENCE DIRECT, SCOPUS, & MENDELEY	(MOOCs) SOMAIYA COLLEGE, Vidyavihar	4 Hrs.	25/04/20	Completed
02	Emerging Respiratory Viruses including COVID-19 _Methods for detection, prevention, responses & control	WHO(MOOCs)	2 hrs.	15/04/20	Completed
03	INFECTION, PR CONTROL (IPC) FOR NOVEL CORONAVIRUS (COVID-19)	WHO (MOOCs)	1 hr.	14/04/20	Completed
04	Introduction to GO. DATA FIELD DATA COLLECTION, CHAINS OF	WHO (MOOCs)	2 hrs.	14/04/20	Completed

	TRANSMISSION & CONTACT FOLLOW UP				
05	Severe Acute Respiratory infection (SARI) TREATMENT FACILITY DESIGNS	WHO (MOOCs)	2hrs	14/04/20	Completed
06	Understanding open educational resources	Commonwealth of learning CANADA	3 hrs.	15/04/2020	Completed
07	COVID-19 AWARENESS & MANAGEMENT	Medavarsity, NATHEALTH & FICCI	1 hr.	14/04/2020	Completed
08	Let's break the chain of Covid-19 infection	MOOCs	1 hr.	01/04/2020	Completed
09	CORONAVIRUS AWARENESS PROGRAMME	MOOC	1 hr.	26/04/2020	Completed
10	e PROTECT respiratory infections (EN)	MOOC (WHO)	1 hr.	15/04/2020	Completed
11	Coronavirus Disease 2019	Course sera	1 hr.	22/04/2020	Completed

C) Details of Active participation in various Faculty Development Program

Sr.No.	Title of FDP	FDP offered by	Duration of FDP	Status of course (completed/ongoing)
01	Moodle learning management system	Sinhagad inst. Of technology Lonavala, Maharashtra in association with Spoken Tutorial Project IIT, Bombay	1 week (01/05/20 to 06/05.20)	Completed
02	Educational video creation (E-Content development)	Toshniwal Arts, Commerce&Science college. Sengaon, Hingoli (MOOC)	3 days;11 May to 13 May 2020	Completed
03	Use of ICT Tools in Higher Education	Arts, Commerce and Science College, Gangakhed, Dist.	2 days 7-8 May 2020	Completed

		Parbhani. (MOOC)		
04	Empowerment Through Digital Technology and E-Learning-I	SNDT University Dr. Babasaheb Ambedkar Chair in Collaboration with Shri MD shah Mahila College of Arts & Commerce, Mumbai	2 Weeks 18-31 st May 2020	Completed
05	Open Source Tools for Research	PMMMNTT and Teaching-learning center Ramanujan College, University of Delhi	One week 8 th June- 14 th June 2020	Completed
06	Empowerment Through Digital Technology and E-Learning-II	SNDT University Dr. Babasaheb Ambedkar Chair in Collaboration with Shri MD Shah Mahila College of Arts & Commerce, Mumbai	2 Weeks 1 st June- 12 th June 2020	Completed
07	Online Faculty Program on “Soft Skills”	C.K. ThakurASC College, Khanda Colony (Autonomous College)	7/09/2021 One day	Completed
08	Faculty development program on “Healthy Teaching”	C.K. ThakurASC College, Khanda Colony (Autonomous College)	18-02- 2021	Completed
09	One-week FDP on e-content & MOOC Creation: Hands on Training	C.K. ThakurASC College, Khanda Colony (Autonomous College)	18 to 23 Sep 2022	Completed
10	Innovative Teaching and Learning Pedagogy	Research Foundation of India	27- 31 st May 2023	Completed

15. Conferences, symposia, seminars, and workshops organized as organizing committee members:

Level	Convener	Organizing Committee Member
International	Nil	Nil
National	Nil	04
State	Nil	02
University	Nil	Nil

16. Experience on the various committees at the college

- Member Board of studies, Department of Microbiology
- Co-Ordinator for Certificate and Diploma courses in Applied Biotechnology
- Member of Alumni Association
- Member of Student Welfare
- Member of Science Association
- Member of Gymkhana Committee
- Member of Cultural Committee
- Member of Excursion Committee
- Worked as team member in organizing Two Days “ISRO Space Exhibition” on 4th and 5th January 2019 in association with Indian Space Research Organization, Ahmadabad.

17. Experience on the NAAC/ IQAC of the college

- Worked as a Member of Criteria III (2010-2011)
- Member of Criteria IV (2019 to 2021)
- Member of Criteria II (2021-to yet)

18. Experience on the Various Committees at the University of Mumbai / Government

- Worked as External examiner for B.Sc. Microbiology (Major) Practical and Theory papers (Paper No.-IV Bioprocess Technology, Mumbai University).
- Worked as External examiner for PG-DMLT Theory papers (Mumbai University).
- Worked as Co-Ordinator for 18th State Level Microbiological Contest 2018-2019 (Mumbai region).

19. Awards/recognitions received: Nil

Level	Title	Year	Awarding
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			agency
International			
National			
State			
University			