

BIO-DATA

1. **Name and full correspondence address** : Prof. Dr. MILIND HEMRAJ GAJBHIYE
2. **Email(s) and contact number(s)** : gajbhiyemilindtutu@gmail.com
+919049661272
3. **Institute** : Tuljaram Chaturchand College of Arts,
Science and Commerce, Baramati, Dist-
Pune.
4. **Date of Birth** : 20th Nov. 1973
5. **Gender** : M
6. **Category** : SC
7. **Whether differently abled** : No
8. **Academic Qualification (Undergraduate Onwards):**

	Degree	Year	Subject	University/Institution	% of marks
1	B.Sc.	1994	Microbiology	University of Pune, Pune	64.33
2	M. Sc.	1996	Microbiology	University of Pune, Pune	62.25
3	SET	1996	Microbiology	University of Pune, Pune	PASS
4	Ph. D.	2014	Microbiology	Department of Microbiology, Savitribai Phule Pune University, Pune	AWARDED

9. **Ph.D. thesis title** : Use of Indigenously Isolated Lactic Acid Bacteria with Bio-Control Potential for Management of Microbial Diseases of *Punica Granatum* (Pomegranate)
- Guide's Name** : Prof. B. P. Kapadnis
- Institute/Organization/University:** Savitribai Phule Pune University, Pune, Maharashtra.
- Year of Award:** 2014

10. Work experience (in chronological order):

Sr. No.	Positions held	Name of the Institute	From	To	Pay Scale
1	Lecturer	Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati, Dist- Pune.	08/08/1996	30/09/2002	8000-13,500
2	Sr. Lecturer		01/10/2002	30/09/2007	10,000-15,200
3	Selection grade Lecturer		01/10/2007	30/09/2010	12,000-18,300
4	Assistant Professor (AGP 8000/-)		01/10/2007	31/09/2010	15,600-39,100
5	Associate Professor (AGP 9000/-)		01/10/2010	04/02/2022	37,400 – 67,000
6	Professor (AGP 10000/-)		05/02/2022	Till date	1,44,200 – 2,18,200

11. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant.

Sr. No.	Name of award	Awarding agency	Year
1	Teacher fellowship under Faculty Improvement Programme	UGC, New Delhi	2010-2013
2	Travel grant award to attend international conference abroad (Valencia, Spain)	UGC, New Delhi	2017

12. Publications (List of papers published in SCI Journals, in year wise descending order).

S. No	Author(s)	Title	Name of Journal	Volume	Page	Year
1	Milind H. Gajbhiye, Ashok V. Bankar, Balu P. Kapadnis	Lactic Acid Bacteria in the Management of Oily Spot Disease of Pomegranate	Current Microbiology Springer Impact Factor 2.4 https://doi.org/10.1007/s00284-022-03113-y	80	19	2023
2	Hingane N.N., Waghmode A.V., Gajbhiye M.H., Agnihotri S.N.	Antioxidant Potentials & Total phenolic content of brown and red seaweeds harvested from the Sindhudurga Coastal area, Maharashtra India 10.15515/abr.0976-4585.14.2.117123	Advances in Bioresearch Society of Education, India	14	117-123	2023
3	Manish Kumar Dubey, Mohd Aamir, Andleep Zehra, Mukesh Yadav, Punam Kumari, Milind H. Gajbhiye, Ram Sanmukh Upadhyay	Morpho-molecular identification, characterization and management of <i>Pythium catenulatum</i> , the causative agent of root rot disease in <i>Phaseolus vulgaris</i> (Common bean)	Journal of Phytopathology WILEY Impact Factor 2.9 https://doi.org/10.1111/1/jph.13156	171 (2-3)	92-109	2023
4	Manish Kumar Dubey, Milind H. Gajbhiye and Ram S. Upadhyay	New records, rare and noteworthy species of the genus <i>Nowakowskiella</i> (Nowakowskiellaceae, Chytridiomycota) from India	Current Science Impact Factor 1.1	123	1462	2022
5	Milind Gajbhiye & Balu Kapadnis	<i>Lactococcus lactis</i> subsp. <i>cremoris</i> of Plant Origin Produces Antifungal Cyclo-(Leu-Pro) and Tetradecanoic Acid	Indian Journal of Microbiology Springer Impact Factor 2.8 https://doi.org/10.1007/s12088-020-00917-z	61	74-80	2021
6	Milind Gajbhiye, Shradha Chougule, Ravina	Potential of ureolytic and calcite forming <i>Bacillus cereus</i> SSS1 in biocementation	Journal of Advanced Scientific Research 2020 ScienSage	Peer reviewed UGC Care	11 Suppl 6:61-68	2020

	Takale, Kanchan Kadam					
7	Dubey, Manish K. Gajbhiye , Milind H. , Upadhyay, Ram S.	<i>Achlya bisexualis</i> (Achlyaceae, Saprolegniales, Oomycota) – A new record for India	Nova Hedwigia, 2020 https://doi.org/ 10.1127/nova_hedwi gia/2020/0589 (Impact factor 1.1)	111	101- 114	2020
8	Smita Jagdale, Sangeeta Ahiwale, Milind Gajbhiye , Balu Kapadnis	Green approach to phytopathogen: Characterization of lytic bacteriophages of <i>Pseudomonas</i> sp., an etiology of the bacterial blight of pomegranate	Microbiological Research Elsevier Impact factor 6.1	228	126300	2020
9	Milind Gajbhiye & Balu Kapadnis	First Report of <i>Corynespora cassiicola</i> Causing Fruit Rot of Pomegranate in India, its Morphological and Molecular Characterization	National Academy Science Letters Impact factor 1.2 Springer https://doi.org/10.100 7/s40009-018-0722-2	42 (3)	253-257	2019
10	Gajbhiye MH & Kapadnis BP	Bio-efficiency of Antifungal Lactic Acid Bacterial Isolates for Pomegranate Fruit Rot Management. DOI: 10.1007/s40011- 017-0891-7	Proceedings of National Academy of Sciences, India, Section B: Biological Sciences Impact factor 1.0 Springer	88 (4)	1477- 1488	2018
11	Marathe RJ, Phatake YB, Shaikh AC, Shinde BP &, Gajbhiye MH	Effect of IAA produced by <i>Pseudomonas</i> <i>aeruginosa</i> 6A (bc4) on seed germination and plant growth of <i>Glycin</i> <i>max</i> 10.18006/2017.5(3).351. 358	Journal of Experimental Biology and Agricultural Sciences	ISSN No. 2320– 8694	5(3): 351- 358	2017
12	Gajbhiye MH & Kapadnis BP	Antifungal-activity- producing lactic acid bacteria as biocontrol agents in plants. DOI: 10.1080/09583157.2016.1 213793	Biocontrol Science and Technology Taylor & Francis Impact factor 1.9	26 (11)	1451- 1470	2016
13	Gajbhiye MH	Probiotic traits of lactic acid bacteria isolated from aerial surfaces of	International Journal of Bioassays	5 (8)	4733- 4738	2016

		pomegranate. DOI: 10.21746/ijbio.2016.08.002				
14	Gajbhiye M , Sathe S, Shinde S & Kapadnis B.	Morphological and molecular characterization of pomegranate fruit rot pathogen, <i>Chaetomella raphigera</i> , and its virulence factors. DOI: 10.1007/s12088-015-0554-4	Indian Journal of Microbiology Springer Impact Factor 2.8	56(1)	99-102	2015
15	Patil NN, Waghmode MS, Gaikwad PS, Gajbhiye MH , Gunjal AB, Nawani NN & Kapadnis BP	Potential of <i>Microbispora</i> sp. V2 as biocontrol agent against <i>Sclerotium rolfsii</i> , the causative agent of southern blight of <i>Zea mays</i> L (Baby corn)- in vitro studies	Indian Journal of Experimental Biology Impact factor 1.165	52	1147-1151	2014
16	Ahiwale S, Tangunde S, Kopkar S, Karni M, Gajbhiye M & Kapadnis B	Liquid based formulations of bacteriophages for the management of waterborne bacterial pathogens in water microcosms	Indian Journal of Experimental Biology Impact factor 1.165	51	1038-1045	2013
17	Patil NN, Waghmode MS, Gaikwad PS, Gajbhiye MH & Bankar AV	Bioautography guided screening of antimicrobial compounds produced by <i>Microbispora</i> V2	International Research Journal of Biological Sciences	2(2)	65-68	2013
18	Gajbhiye MH , Sathe SJ, Marathe RJ & Deshmukh RB	Antifungal <i>Bacillus subtilis</i> AFB22 from pomegranate with potential to control fruit rot	Research Journal of Biotechnology Impact factor – 0.296	8 (3)	26-35	2013
19	Gajbhiye MH , Prakash D & Kapadnis BP	Identification of pomegranate fruit rot pathogens and an antagonist <i>Lactococcus lactis</i> ssp. <i>cremoris</i> PB6	Journal of Mycology and Plant Pathology	42(4)	469-478	2012
20	Gajbhiye M , Prakash D, Jagdale S, Ahiwale S, Patil	Pomegranate borne fungicidal lactic acid bacteria and their biodiversity	Proceedings of National Academy of Sciences, India, Section B: Biological	82 (3)	413-419	2012

	N & Kapadnis B.		Sciences Impact factor 1.0 Springer			
21	Ahiwale S, Prakash D, Gajbhiye M , Jagdale, Patil N & Kapadnis B.	BVPa-3, a T7-like phage of <i>Pseudomonas</i> <i>aeruginosa</i> : Its isolation and characterisation	Current Microbiology Springer Impact Factor 2.4	64	305- 311	2012
22	Sathe SJ, Kadam SP, Bankkar VP, Gajbhiye MH & Doshi DV	Studies on isolation and bioemulsifier production by bacteria from hydrocarbon contaminated soil	Journal of Empirical Biology	1(1)	45-54	2012
23	Sathe SJ, Gajbhiye MH , Mulay YR & Kapadnis BP	Purification and characterization of antifungal compounds produced by <i>Lactobacillus</i> <i>paracollinoides</i> isolated from fresh vegetables	Advances in Plant Sciences	25(2)	653- 657	2012
24	Sathe SJ, Mulay YR, Subedar SS & Gajbhiye MH	Antibacterial activity of medicinal plants against dental pathogens	Advances in Plant Sciences	25(2)	659- 661	2012
25	Patil NB, Gajbhiye M , Ahiwale S, Gunjal AB & Kapadnis BP	Optimization of indole 3- acetic acid (IAA) production by <i>Acetobacter</i> <i>diazotrophicus</i> L1 isolated from sugarcane	International Journal of Environmental Science Impact factor 0.361	2(1)	295-302	2011

13. Details of patents:

S.No.	Patent Title	Name of Applicant(s)	Patent No.	Award Date	Agency/Country	Status
1	Wireloop	1.M. C. Shah 2. D. V. Doshi 3. M. H. Gajbhiye 4.S. T. Pawar	417708 -001	22/05/2024	The Patent Office, Government of India	Granted
2	Laboratory Tool for spreading Microbial Suspensions on Solid Agar Surfaces	1. M. K. Dubey 2. Milind Hemraj Gajbhiye	430470 -001	13/09/2024	The Patent Office, Government of India	Granted

14. Books/Reports/Chapters/General articles etc.:

S.No.	Title	Author's Name	Publisher	Year of Publication
Books				
1	Fundamentals of Fermentation Technology	Milind H. Gajbhiye (In type setting status at printing stage)	Cambridge Scholar Publishing, UK	2024
2	Introduction to Microbiology	Gajbhiye M. H. , Sathe S. J., Pharande S. R. and Marathe R. J.	Career publications, Nashik, Maharashtra, India.	2015
3	Introduction to Microbiology	Sathe S. J., Pharande S. R., Gajbhiye M. H. and Marathe R. J.	Career Publications, Nashik, Maharashtra, India.	2010
4	Microbiology	Sathe S. J., Pharande S. R., Gajbhiye M. H. and Marathe R. J.	Career Publications, Nashik, Maharashtra, India.	2004
Book Chapters				
1	“Keratinolytic microbes: an eco-friendly tool for the management of chicken feather waste” in Book entitled “Advances in Chemical and Biological Sciences” Volume II Chapter 13, pg. 93-100	K.D. Sonawane & M.H. Gajbhiye	Bhumi Publishing, India (ISBN: 978-93-95847-04-9)	2023

15. Any other Information:

i) Research projects

S. No.	Name of Investigator/s	Title of the Project & Duration	Funding agency	Total amount sanctioned Rs. (in lacs)	Status (Sanctioned/ Ongoing/Completed)
Principal Investigator					
1	MH Gajbhiye	Bioactive compounds with their plant growth promoting potential from lactic acid bacteria and their characterization 2006-2008	BCUD, University of Pune	3.00	Completed
2	MH Gajbhiye	Microbicidal <i>Bacillus</i> sp. as biocontrol agents in the management of microbial diseases of pomegranate 2014-2016	BCUD, SP Pune University	2.40	Completed
3	MH Gajbhiye	LAB as a source of biocontrol agent for the management of fungal diseases in Pomegranate 2006-2008	UGC, New Delhi	0.53	Completed
4	MH Gajbhiye	Bactericidal bacteriophages consortium: A novel tool for the biocontrol of oily spot disease of pomegranate 2019-2022	DST-SERB, New Delhi	27.38	Completed
Co-Investigator					
5	SJ Sathe (PI), MH Gajbhiye (Co-PI)	Studies on production, optimization, purification, characterization and biopreservation ability of antifungal compounds from <i>Lactobacillus paracollinoides</i> isolated from cucumber 2007-2009	BCUD, SPPU	3.00	Completed

ii) **Research Guidance:**

Sr. No.	Name of the Candidate	Degree	Title of Research Topic	Supervisor/Co-supervisor
PhD Degree				
1	Snehal Jadhav	PhD (Ongoing)	Use of bactericidal bacteriophages for the management of bacterial diseases of pomegranate	Supervisor (2020 Onwards)
2	Kiran Sonawane	PhD (Ongoing)	Valorization of Chicken Feather Waste using Keratinolytic Microbes	Supervisor (2022 Onwards)
3	Chaitralee Pathak	PhD (Ongoing)	Studies on Ureolytic and Calcifying Microbes in Biocementation	Supervisor (2022 Onwards)
4	Manasi Raut	PhD (Ongoing)	Evaluating the Potential of Rhizospheric Microbes as Biocontrol Agents Against Phytopathogens of Soybean (<i>Glycine max</i>)	Supervisor (2022 Onwards)
5	Joy Kuwar	PhD (Ongoing)	Isolation and Characterization of Agarolytic Bacteria and their Application in Laboratory Solid Waste Management	Supervisor (2022 Onwards)
6	Neeta Hingane	PhD (Ongoing)	Evaluation of Effect of Indigenous Algae Extracts on Cell Proliferation and Venom Neutralization	Co-supervisor (2022 Onwards)

MSc Dissertation				
1	Vrushali Jadhav, Mayuri Gaikwad, Rekhadevi Yadav		LAB in the management of fungal diseases of pomegranate	Supervisor 2008-09
2	Swapnali Pawar, Deepali More, Ketaki Sawalkar		Antifungal Bacillus sp. in the management of fungal disease of pomegranate	Co-Supervisor 2009-2010
3	Shete Rupali, Bankar Aarti		Isolation and identification of antifungal lactic acid bacteria	Supervisor 2013-2014
4	Pooja Kalange, Archana Kale, Monali Kakade		Isolation and characterization of bacteriophage against <i>Salmonella typhimurium</i> and their use as disinfectant	Supervisor 2014-15
5	Soniya D. Tembare, Shobha A. Shelar, Priyanka P. Mane		An investigation on production of antibacterial compounds from <i>Bacillus</i> sp. And lactic acid bacteria	Supervisor 2015-16
6	Kiran Deshmukh, Prajakta Bhoite, Priyanka Adsul		Biological synthesis and characterization of zinc oxide nanoparticles and their application	Supervisor 2016-2017
7	Komal Dhumal, Sheetal Waghmode, Gitanjali Mulik		Isolation and characterization of bactericidal bacteriophages for the management of oily spot disease of pomegranate	Supervisor 2017-18
8	Ravina Takale, Kanchan Kadam and Shraddha Chougule		Screening of ureolytic bacteria & evaluation of their potential in biocementation	Supervisor 2018-19
9	Miss. Bhange Aparna Ashokrao Miss. Borawake Shruti Sudhakar		Isolation and characterization of keratinase producing microbes and their role in feather waste management and	Supervisor 2019-20

		other applications	
10	Patil Sushmita Parisanath Chavan Pratiksha Vinayak Gade Prajakta Ramdas	Microbial producers of plant cell wall degrading enzymes and their potential in the management of grain stubble	Supervisor 2021-22
11	Jadhav S., Khomane R., Ghadage T., Mergal R	Screening of keratin degrading microbes, their characterization and applications in waste management	2022-23
12	Kokare Supriya Sakharan Awate Sagar Atmaram Terdale Siddharth Krishnappa Gunaware Kunal Bharat	Characterization of <i>Olivibacter oleidegradans</i> and agrobacterium sp. And their potential in the decomposition of grain stubble waste	2022-23
13	Bhujbal Saurabh, Kaygude Nilam, Bhise Priti, Gade Kshitij	Morpho-molecular characterization of causative agents of oily spot disease of pomegranate and isolation of lytic phages for its management	2023-24

iii) **Vidwan Profile URL:** <https://vidwan.inflibnet.ac.in/profile/415629>

iv) **Orcid Id:** 0000-0002-1069-374X

v) **Scopus Id:** 54879267200

vi) **Google Scholar Id:** l4Lh3j0AAAAJ

vii) **Public database entries**

NCBI database – 15 fungal gene sequences and 25 bacterial gene sequences

(link: <http://www.ncbi.nlm.nih.gov/nuccore/?term=Gajbhiye>)

viii) **Awards/Life Membership of Professional bodies**

Sr. No.	Name of Professional Body/ Description
1	Member of Association of Microbiologist of India
2	Member of Biotechnology Research Society of India
3	Member of Association of Mycology and Plant Pathology
4	Member of Microbiologist Society, India

ix) **Work as reviewer for the journals:**

- World Journal of Microbiology and Biotechnology
- Biocontrol Science and Technology
- NASI Letters
- Journal of Applied Microbiology
- International Journal of Biological and Physical Sciences

- f) African Journal of Microbiological Research
- g) Sky Journal of Microbiology Research
- h) Journal of Plant Disease and Control
- i) Current Chemical Biology
- x) Research paper presentations in 16 national and international conferences.
 1. Presented a research paper at an International conference entitled “FEMS 2017, 7th Congress of European Microbiologists” at **Valencia, Spain** during 9th July 2017 to 13th July 2017.
 2. Recipient of award of prestigious travel grant from UGC in 2017
 3. Presented a research paper at an International conference entitled “Biotechnology for Better Tomorrow”, organized by Microbiologist Society of India, Male National University & Q Studies at **Male, Maldives** during 22nd Feb.-23rd Feb.2020.
 4. Recipient of third prize for best oral presentation at International conference at Male, Maldives.