

CURRICULUM VITAE

1. Name and full correspondence address : Dr. MILIND HEMRAJ GAJBHIYE
2. Educational Qualification : M.Sc., SET, Ph.D.
3. Present Designation : Professor
4. Date of Birth : 20th Nov. 1973
5. Contact No. : +919049661272
6. Email ID : gajbhiyemilindtutu@gmail.com
7. Date of Appointment : 8th August 1996
8. Teaching Experience : 26 years
9. Date of joining in present college : 8th August 1996

10. Academic Qualification (Undergraduate Onwards):

Degree	Year	Subject	University/Institution	Class
B.Sc.	1994	Microbiology	University of Pune, Pune	I
M.Sc.	1996	Microbiology	University of Pune, Pune	I
SET	1996	Microbiology	University of Pune, Pune	PASS
Ph.D.	2014	Microbiology	Department of Microbiology, Savitribai Phule Pune University, Pune	AWAR DED

11. Total Research Publications 29

12. M.Phil/Ph.D./Research experience:

Sr. No.	Ph.D.Thesis Title	Name of The Univ.	Year of award	Name of Guide
1.	Use of Indigenously Isolated Lactic Acid Bacteria with Bio-Control Potential for Management of Microbial Diseases of <i>Punica Granatum</i> (Pomegranate -	Savitribai Phule Pune University, Pune, Maharashtra	2014	Prof. B. P. Kapadnis

13. Books Published:

Sr. No.	Title of Book	Year of publication	ISBN	Name & Place of Publisher
1.	Introduction to Microbiology	2015	978-93-82322-23-8	Career publications, Nashik, Maharashtra, India
2.	Introduction to Microbiology	2010	978-81-88739-75-2	Career Publications, Nashik, Maharashtra, India
3.	Microbiology	2004	978-81-88739-	Career Publications, Nashik,

14. Chapters in Book:

15. Research Papers:

S. No	Author(s)	Title	Name of Journal	Volume	Page	Year
1	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	123	1462	2022
2	Milind H. Gajbhiye , Ashok V. Bankar, Balu P. Kapadnis	Lactic Acid Bacteria in the Management of Oily Spot Disease of Pomegranate	Current Microbiology https://doi.org/10.1007/s00284-022-03113-y	101	45	2022
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 DOI: 10.1111/jph.13156	2	23	2022
4	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 10.1007/s12088-020-00917-z Springer IF 1.86	61	74-80	2021
5	Milind Gajbhiye , Shradha Chougule, Ravina Takale, Kanchan Kadam	Potential of ureolytic and calcite forming <i>Bacillus cereus</i> SSS1 in biocementation	Journal of Advanced Scientific Research 2020 SciencSage	Peer reviewed UGC Care	11 Suppl 6:61-68	2020
6	Dubey, Manish K.; Gajbhiye, Milind H.; Upadhyay, Ram S.	<i>Achlya bisexualis</i> (Achlyaceae, Saprolegniales, Oomycota) – A new	Nova Hedwigia, 2020 DOI: 10.1127/nova_hedwi	111	101-114	2020

		record for India	gia/2020/0589 (Impact factor 1.1)			
7	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 (<i>Publisher- Elsevier</i>) (<i>Impact factor 3.5</i>)	228	126300	2020
8	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 (<i>Impact factor –</i> <i>0.32</i>) (Springer) 10.1007/s40009-018- 0722-2	42(3)	253- 257	2019
9	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 (<i>Impact factor –</i> <i>0.518</i>) (Springer)	88(4)	1477- 1488	2018
10	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
11	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 (<i>Impact factor –</i> <i>0.848</i>) (Taylor & Francis)	26(11)	1451- 1470	2016
12	Gajbhiye MH	Probiotic traits of lactic acid bacteria isolated from aerial surfaces of pomegranate. DOI: 10.21746/ijbio.2016.08.0 02	International Journal of Bioassays	5(8)	4733- 4738	2016
13	Gajbhiye M, Sathe S, Shinde S & Kapadnis	Morphological and molecular characterization of pomegranate fruit rot	Indian Journal of Microbiology (<i>Impact factor –</i>	56(1)	99-102	2015

	B.	pathogen, <i>Chaetomella raphigera</i> , and its virulence factors. DOI: 10.1007/s12088-015-0554-4	1.143) (Springer)			
14	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
15	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
16	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
17	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
18	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
19	Gajbhiye M , Prakash D, Jagdale S, Ahiwale S, Patil N & Kapadnis B.	Pomegranate borne fungicidal lactic acid bacteria and their biodiversity	Proceedings of National Academy of Sciences, India, Section B: Biological Sciences (Impact factor – 0.413)	82(3)	413-419	2012
20	Ahiwale S, Prakash D, Gajbhiye M ,	BVPa-3, a T7-like phage of <i>Pseudomonas aeruginosa</i> : Its isolation	Current Microbiology (Impact factor –	64	305-311	2012

	Jagdale, Patil N & Kapadnis B.	and characterisation	1.519)			
21	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
22	Sathe SJ, Gajbhiye MH, Mulay YR & Kapadnis BP	Purification and characterization of antifungal compounds produced by <i>Lactobacillus paracollinoides</i> isolated from fresh vegetables	Advances in Plant Sciences	25(2)	653-657	2012
23	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
24	Patil NB, Gajbhiye M, Ahiwale S, Gunjal AB & Kapadnis BP	Optimization of indole 3-acetic acid (IAA) production by <i>Acetobacter diazotrophicus</i> L1 isolated from sugarcane	International Journal of Environmental Science (Impact factor – 0.361)	2(1)	295-302	2011

16. Research projects

Sr. No.	Name of Funding Agency	Project Title	Funds Received	Month and Year of sanction	Duration of the Project	Status of Project
1	BCUD, SP Pune University	Microbicidal <i>Bacillus</i> sp. as biocontrol agents in the management of microbial diseases of pomegranate	2,40,000/-	March 2014	2014-2016	Completed
2	MH Gajbhiye (PI)	Bioactive compounds with their plant growth promoting potential from lactic acid bacteria and their characterization	3,00,000/-	March 2006	2006-2008	Completed

3	MH Gajbhiye (PI)	LAB as a source of biocontrol agent for the management of fungal diseases in Pomegranate.	53,000/-	Mar 2006	2006-2008	Completed
4	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	300,000/-	Mar 2007	2007-2009	Completed
5	MH Gajbhiye (PI)	Bacteriocidal bacteriophages consortium: A novel approach for the management of bacterial disease of pomegranate	27,38,320/-	Nov 2019	2019-2022	Completed

17. Papers presented in Seminar / Conference:

Sr. No.	Invited Talk/ Resource Person/ Session Chair	Title of Conference /Seminar and Organizer	Level- International (Abroad/within country) /National / State / University
1	Session Chair - Chairman	Integration of Biological Data for Translation of Science 22 nd & 23 rd Feb. 2019 Vidya Pratishthan's Arts, Science and Commerce College, Baramati & BOD, SPPU Pune	National (India)
2	Co-Convener & Editor of Abstract Book	International Conference on Empowering Society with Microbial Technology (ICESMT-2019); TC College, Baramati 7 th to 9 th Feb. 2019	International

S. No	Title of the paper presented	Title of Conference with Date	Organized by	International National/ State Level
	Conference Abroad			
1.	Production optimization and characterization of antifungal compounds from indigenous <i>Lactococcus lactis</i> subsp. <i>cremoris</i> PB6	FEMS 2017, 7th Congress of European Microbiologists Venue: Feria Valencia – Convection & Exhibition Centre, Avinguda de les Fires, 1 46035, Valencia, Spain. 9th July 2017 to 13th July 2017	Federation of European Microbiologists Society	International
2.	Molecular characterization of phytopathogenic fungi of pomegranate (<i>Punica granatum</i>)	International conference on “Biotechnology for Better Tomorrow”; Male, Maldives; 22 nd Feb.-23 rd Feb.2020	Microbiologist Society of India, Male National University & Q Studies, Male	International
	Conference in India			
2.	Lactic acid bacteria. National symposium	New horizons in fermentation and food biotechnology- 2006, 21-22 March 2006	Punjab University, Patiala.	National
3.	Antifungal activity of lactic acid bacteria isolated from pomegranate plant and their potential in preventing fungal diseases of pomegranate.	INNOVATION 2007 19 th – 20 th Nov 2007	BCUD, University of Pune.	State
4.	Use of antagonistic lactic acid bacteria for the management of fungal infections in pomegranate.	Recent Trends in Microbial Biotechnology. 7 th – 8 th Feb 2007	RC Patel College, Shirpur.	State
5.	Screening of lactic acid bacteria from pomegranate plant and their potential in preventing fungal diseases of	18 th – 21 st Dec. 2007	IIT, Madras, Chennai.	National

	pomegranate			
6.	Fruit rot caused by <i>Phomopsis varsoniana</i> and its suppression by <i>Lactococcus lactis cremoris</i> PB6.	<i>Innovation-2008</i> . 12 th – 13 th Nov. 2008	BCUD, University of Pune.	State
7.	Pomegranate borne fungicidal lactic acid bacteria and their biodiversity.	8 th Annual Session, The National Academy of Sciences, India (NASI) & National Symposium on Sustainable Management of Biodiversity using Science and Technology. 24 th – 26 th Nov 2011	University of Kerala, Trivandrum.	National
8.	Pomegranate fruit rot caused by <i>Alternaria alternata</i> and its biocontrol by <i>Lactobacillus brevis</i> strain PFR77.	International conference on microbial biotechnology for sustainable development. 3 rd – 6 th Nov 2011	52 nd Annual conference of Association of Microbiologists of India (AMI). Punjab University, Chandigarh.	International
9.	<i>Chaetomella</i> sp., a pomegranate fruit rot pathogen and antagonism by <i>Lactococcus lactis</i> ssp. <i>cremoris</i> .	International conference on Microbial world: recent innovations and future trends. 22 nd – 25 th Nov. 2012	53 rd Annual conference of Association of Microbiologists of India (AMI)-2012. KIIT University, Bhubaneswar	International
10.	Biocontrol potential of antifungal <i>Bacillus subtilis</i> in the management of pomegranate fruit rot. Shardabai Pawar Mahila Mahavidyalaya, Shardanagar, Malegaon Bk., Baramati. (Oral)	National conference on frontiers in life sciences. 11 th – 13 th Jan 2011	S. P. Mahila College, Sharda Nagar, Malegaon Bk. Baramati	National
11.	<i>Lactococcus lactis</i> ssp. <i>lactis</i> PFL9 as bio-fungicide in the management of pomegranate fruit rot. (Oral)	National conference on recent advances in Agrobiotechnology for sustainable agricultural	Moolji Jaitha College, Jalgaon.	National

		practices. 5 th – 6 th Feb. 2013		
12.	Morphological and molecular identification of pomegranate fruit rot pathogen, <i>Chaetomella raphigera</i> , and its virulence factors.	International conference on advances in biotechnology and bioinformatics-2013 25-27 Nov. 2013	DY Patil University, DBT, NABARD, Biotech research society of India.	International
13.	<i>Alternaria solani</i> : A pomegranate fruit rot pathogen, its morphological and molecular characterization and virulence factors. (Poster)	National conference on empowering mankind with microbial technologies (AMI-EMMT-2014). 12-14 Nov. 2014	Tamil Nadu agricultural University, Coimbatore	National
14.	Morphological and molecular characterization of a pomegranate fruit rot pathogen and its virulence factors. (Oral)	Recent trends and future prospects in multidisciplinary approaches in Microbiology. 4-5 Oct. 2014	Rajaram College, Kolhapur	National
15.	Isolation and characterization of <i>Colletotrichum gloeosporioides</i> , a pomegranate fruit rot pathogen and its virulence factors. (Poster)	Third Global Sustainable Biotech Congress-2014, Jalgaon 1 st to 5 th December 2014	North Maharashtra University, Jalgaon & Global Biotech Forum, Nagpur & CETYS University, Mexico.	International
16.	Virulence factors of <i>Corynespora cassiicola</i> , a new fungal pathogen of pomegranate fruit rot, its morphological and molecular characterization. (Poster)	New horizons in Biotechnology-2015, 22-25 Nov 2015	Trivandrum	International
17.	Lactic Acid bacteria as Biocontrol Agents: A Novel Approach in the Management of Oily Spot Disease of Pomegranate. (Oral)	11-13 Feb 2016 International conference on plant research and resource management	TC College, Baramati	International
18.	Bacteriophage Therapy: A Novel Approach for the control of Bacterial Diseases if Pomegranate. (Poster)	International conference on Doubling farmer's income through innovative	Krishi Vidyan Kendra, Baramati	International

		approaches. 09-11 April 2018		
19.	<i>Cladosporium</i> sp., a fungal pathogen of fruit rot of pomegranate: Its morphological & molecular characterization, and virulence factors. (E-Poster)	59 th Annual Conference of Association of Microbiologists of India (AMI-2018) 09-12 Dec. 2018	University of Hyderabad, Hyderabad, Telangana state	International
20.	Screening of Ureolytic Bacteria and Evaluation of their Potential in Biocementation	International Conference on Empowering Society with Microbial Technology (ICESMT-2019) 7 th to 9 th Feb. 2019	TC College, Baramati	International
21.	Medium Optimization Studies for the Production of Anti- <i>Xanthomonas axonopodis</i> Compounds by <i>Bacillus</i> GS1	International Conference on Empowering Society with Microbial Technology (ICESMT-2019) 7 th to 9 th Feb. 2019	TC College, Baramati	International
22.	Bioplastics: Screening of Polyhydroxybutarate (PHB) Producers and Production Optimization Studies	International Conference on Empowering Society with Microbial Technology (ICESMT-2019) 7 th to 9 th Feb. 2019	TC College, Baramati	International
23.	Synthesis and characterization of zinc oxide nanoparticles and its application	International Conference on Empowering Society with Microbial Technology (ICESMT-2019) 7 th to 9 th Feb. 2019	TC College, Baramati	International
24.	Microbicidal <i>Bacillus</i> sp. as biocontrol agent	Innovation - 2016	BCUD, Pune	National

18. Research Guidance:

Sr. No.	M.Phil./ Ph.D. Guide	Name of University	Month & Year of recognition	No. of Research Scholars	
				Completed	Perusing

1	Prof. Milind Gajbhiye	Savitribai Phule Pune University, Pune	Oct. 2019	Nil	06
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19. 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

20. E content development:

Sr. No.	Title of Content	Level	Platform	Link of E-Content
1		UG + PG	YouTube	https://www.youtube.com/channel/UCOFWYw31xB9EoaRfU6lgzmA

21. Work experience on academic bodies:

22. Life members 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

23. Any other attainment:

i) Public database entries

NCBI database – 15 fungal gene sequences and 21 bacterial gene sequences

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

ii) Work as *reviewer* for the journals:

- a) World Journal of Microbiology and Biotechnology
- b) Biocontrol Science and Technology

- c) NASI Letters
- d) Journal of Applied Microbiology
- e) 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

iii) 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.