

Teacher Profile

Manisha Shantilal Girase

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Personal Information

- Name : Manisha Shantilal Girase
- Date of Birth : 17/11/1971
- Nationality : India
- Present Position : Professor
- Experience : 28 Years and 4 month
- Marital Status : Married
- Areas of Research : Environmental Microbiology
- Vidwan ID : 325211
- Orchid ID : 0000-0002-7111-2232
- Google Scholar ID : tgzl1tEAAA AJ

Educational Details

Degree / Diploma	College /University	Year of Passing	Percentage Marks/CGPA	Class
Ph.D.	Savitribai Phule Pune University	2019	Awarded	
M.Phil.	Y. C. M. Open University	2012	63.43	First
SET	Savitribai Phule Pune University	2002	Qualified	
M. Sc. (Microbiology)	Savitribai Phule Pune University	1993	63.4	First
B. Sc. (Microbiology)	Savitribai Phule Pune University	1991	63.4	First
GATE	HRD Ministry	1993	79.52 percentile	

Thesis/dissertation/Project

Degree	Name of the Guide	Title
Ph.D.	Dr. V. B. Gaikwad	Isolation, identification of Chitosan and chito-oligosaccharides producing organisms and to study their potential in management of chitinous waste generated from marine sources in Thane

		District west coast of Maharashtra.
M.Phil.	Dr. A. D. Bhole	Antimicrobial activity of weed extract against Grape and onion pathogens
PG	Dr. B. P. Kapadnis	Isolation of mutants of <i>Trichoderma harzianum</i> and study of its antifungal fungal activity against plant pathogens

Teaching Experience (28 Years)

Organization	Duration	Designation	Total Experience
Maratha Vidya Prasarak Samaj K. A. A. N. M. Sonawane Arts, Science & Commerce College, Satana.	15 th Dec. 1993 31 st Mar. 1996	Lecturer	2 Years 4 Months
Maratha Vidya Prasarak Samaj's Karmveer Shantarambapu Kondaji Wavare Arts, Science and Commerce College, Uttamnagar, CIDCO, Nashik.	1 st Aug. 1996 to till date	Professor	22 Years 8 Months

Research

Research Paper Publications (20)

- 1) Girase M. S. Presence of pesticide residue in fruits and vegetables and their effect on human health: A review., *J Food Nutr Health* 2022 Volume 5 Issue 6:127, ISSN (P) 2330-7285, ISSN (O)2330-7293, 6 pages.
- 2) Girase M. S., Study of biogenic fabrication of Zinc oxide nanoparticles and their applications: A review, *Inorganic Chemistry Communications* 146 (2022) 110155, Available online 1 November 2022, pg. 1-9.
- 3) Girase M. S., Scavenging activity of *Coriandrum sativum* on bioaccumulation of Mercuric chloride (HgCl₂) in fresh water bivalve *Lamellidens consobrinus* BIOINFOLET - A Quarterly Journal of Life Sciences, Year : 2022, Volume : 19, Issue : 3 page : (266-267) Print ISSN : 0973-1431. Online ISSN: 0976-4755.
- 4) Girase M. S., Studies on removal of lead from water bodies using chitosan synthesized from biologically recovered chitin. *Shodhsamhita-vol-9*, issue II, July 2022 ISSN 2277-7067, PP108-119.
- 5) Girase M. S., Effect of different herbal oil and formulations on mosquito (Order: Diptera), *International Journal of Entomology Research* www.entomologyjournals.com ISSN: 2455-4758 Published: 06-07-2022 Volume 7, Issue 7, 2022, Page No. 15-18.

- 6) Girase M S, Characterization of bioactive chitin recovered from shrimp shells, BIOINFOLET - A Quarterly Journal of Life Sciences, Year : 2022, Volume : 19, Issue : 2 page : (110-114) Print ISSN : 0973-1431. Online ISSN : 0976-4755.
- 7) Girase M. S., September 2021. Optimization of Chitinase Synthesis or Chito-oligosaccharide production using antibiotic sensitive *Cellulosimicrobium cellulans* isolated from mushroom compost. International Journal of Botany Studies. ISSN:2455-541X.
- 8) Girase M. S., October 2021. Treatment of starch containing agro-industrial waste by amylase producing thermophilic *Bacillus subtilis* in a microbial fuel cell, Bioscience Discovery, October 2021 12(4) :130-137. ISSN: 2229-3469 (Print), ISSN:2231-024X (Online).
- 9) Girase M. S. 2021. Chitinase Mediated Synthesis of Chito-oligosaccharide from Biologically Synthesized Chitin. Bioscience Discovery, July 2021, 12(3):130-137. ISSN:2229-3469 (Print),ISSN:2231-024X (Online).
- 10) Girase M. S., Time course study of demineralization process of shrimp shells using *Lactobacillus paracasei* strain FC-2 for chitin recovery, IJRAR - International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume.8, Issue 3, Page No pp.333-341, July 2021.
- 11) Girase M. S. Ultrasonic treatment assisted demineralization of shrimp shells using lactic acid bacteria for biological recovery of chitin. International Journal of Research and Analytical reviews. (IJRAR), Vol.-VI, Issue-I, pp 13-24. January-2019.
- 12) Girase M. S., Application of protease producing bacterial culture for deproteinization of shrimp shells as an alternative to chemical deproteinization by NaOH, international journal of creative research thoughts (IJCRT), ISSN:2320-2882, Volume.6, Issue 2, Page No pp.577-587, April 2018.
- 13) Girase M. S. , Characterization of extracellular protease from *Vibrio metschnikovii* strain XMB 057, Scholarly Research Journal for Interdisciplinary Studies, Online ISSN 2278-8808, SJIF 2016 = 6.17, www.srjis.com UGC Approved Sr. No.45269, Sept-Oct. 2017, Vol.- 4/36.
- 14) Girase M. S., In vitro study on biocontrol potential of *T. harzianum* mutants on fungal pathogen challenged moth bean (*Vigna aconitifolia* L.) plant, Scholarly research Journal for Interdisciplinary studies. Special issue-21, pp 145-150, Jan- Mar 2017, ISSN-2319-4766.
- 15) Girase M. S., Study of effect of Kumbhamela on Godawari River Water Quality, Global Online Electronic International Interdisciplinary Research Journal (GOEIIRJ),{Bi-Monthly} Volume - IV Special Issue - III, pp 438-441, October 2015,ISSN : 2278 – 5639.
- 16) Girase M. S. Control of Leaf Blight Pathogen of Grapes by Phyto-Chemicals for Prevention of Loss of Biodiversity, Journal of Basic Sciences, July 2015,2, pp 42-46, E-ISSN 2454-1931.
- 17) Girase M. S., Control of hospital acquired infections of *Pseudomonas aeruginosa* by herbal preparation, International Journal of Pharmaceutical Research & Development, Vol.-6(12), January 2015, pp 73-76, ISSN 0974-9446.

18) Girase M. S., Improvement in Teaching of Science subjects at UG and PG level using ICT. An International multidisciplinary half yearly research journal Genius, Volume –III, Issue –I Aug- Jan 2014-15, pp 25-28, ISSN 2279-0489.

19) Girase M. S., Reflective Teaching – A Tool For Professional Development Of Teacher, Global Online Electronic International Interdisciplinary Research Journal (GOEIIRJ), {Bi-Monthly} Volume - II Special Issue - I on Reflective Education, 152-155, October 2013, ISSN : 2278 – 5639.

20) Girase M. S., Antimicrobial potential of *Lantana camara* against phytopathogens, Journal of Industrial Research & Technology 2(2), 67-71, 1 August 2012, ISSN 2229-9467.

Research Paper Papers presented in International /National Conferences

Sr. No.	Name of the author	From To	Title of the paper	Name of Workshop / Seminars	Oral/ Poster	Organized by, Place
1.	Dr. M. S. Girase	28-03-23 to 29-03-23	Bacterial Pigment as an untapped Resource in dyeing Industry	Int. conf. on Innovations in Biotechnology Research for Sustainable Development	Oral	Sanjivani Arts, Commerce & Science College, Kopargaon
2.	Dr. M. S. Girase	07-04-22 to 09-04-22	Characterization of bioactive chitin recovered from shrimp shells by using microbes	Int. conf. on Advances in bioactive molecules-2022	Oral	SRTM University, Amaravati
3.	Dr. M. S. Girase	25-02-22 to 26-02-22	Adsorptive removal of lead from water by chitosan synthesized from biologically recovered chitin	Int. conf. on Contributions of Biological sciences for sustainable Environment2022	Oral	Wilson College , Mumbai
4.	Dr. M. S. Girase	12-07-21 to 13-07-21	Chitinase production by antibiotic sensitive <i>Cellulosimicrobium cellulans</i> isolated from mushroom compost	Int. conf. on Current Res. in Applied & Fundamental Sciences 2021	Oral	Sandip University, Nashik
5.	Dr. M. S. Girase	5-08-2020 to 10-08-2020	Comparative study of biologically recovered & chemically synthesized chitin	Int. Virtual Congress-7th	Oral	Int. Sci. Congress Association
6.	Dr. M. S. Girase	26-07-20	Adverse effect & Opportunities due to COVID-19 on Education	Int. E-Conf. on Virtual Learning-Need in pandemic	Oral	Shri. Kumarswami Mahavidyalay, Ausa, Latur

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7.	Dr. M. S. Girase	28-12-18 to 29-12-18	Ultrasonic treatment assisted demineralization of shrimp shells using lactic acid bacteria for biological recovery of chitin	National Conference on Computer applications and use of recent techniques in science	oral	K. S. K. W. ASC College, CIDCO, Nashik
8.	Dr. M. S. Girase	9-02-18 to 10-02-18	Poultry feed supplement grade protein recovery from shrimp processing industry waste by ecofriendly deproteination method using <i>Sphingomonas paucimobilis</i> culture	International Symposium on teaching, research & innovative approaches in life science	Oral	SN Arts, DJM Commerce BNS Science College, Sangamner
9.	Dr. M. S. Girase	2-02-18 to 3-02-18	Application of protease producing bacterial culture for deproteination of shrimp shells as an alternative to chemical deproteination by NaOH	National Conference on Prospective & problems of biological process in crops, animal & human life	Oral	KTHM College, Nashik
10.	Dr. M. S. Girase	28/11/2017	Isolation, identification of Chitosan and chito-oligosaccharides producing organisms and to study their potential in management of chitinous waste generated from marine sources in Thane District west coast of Maharashtra.	Regional Research conference- Innovation-2017	Oral	RYK College, Nashik
11.	Dr. M. S. Girase	2-02-17 to 4-02-17	In vitro study on biocontrol potential of <i>Trichoderma harzianum</i> mutants on fungal pathogen challenged moth bean (<i>Vigna aconitifolia</i>) plant.	International Conference on challenges in organic, bioorganic & medicinal Chemistry	Oral	K.S.K.W.A. S.C.College, CIDCO, Nashik

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12.	Dr. M. S. Girase	20-01-17 to 21-01-17	Germination inhibition of soil born plant pathogenic fungi by UV induced mutants of <i>Trichoderma harzianum</i>	National seminar on Emerging trends in Chemical Sciences	Poster	P. V. P. College, Loni
13.	Dr. M. S. Girase	5-01-17 to 6-01-17	Antimicrobial activity of leaves of <i>Parthenium hysterophorus</i>	National Conf. on Conservation of Environment for human sustenance	Poster	S. V. K. T. College, Deolali Camp, Nashik
14.	Dr. M. S. Girase	28-09-16 to 30-09-16	Eco-friendly method for recovery of chitin using bacterial deproteinization and demineralization from shrimp processing industry waste	11 th Asia Pacific Chitin and Chitosan Symposium & 5 th Indian Chitin and Chitosan Society Symposium	Poster	IMA House Cochin, Kerala, India.
15.	Dr. M. S. Girase	10-02-16 to 10-02-16	Enhanced biological control of stem rot pathogen – <i>Scl. rolfsii</i> using <i>T. harzianum</i> for sustainable agriculture.	International Conference	Poster	SN Arts, DJM Commerce BNS Science College, Sangamner
16.	Dr. M. S. Girase	9-02-16 to 10-02-16	Induction of mutation in <i>T. harzianum</i> using Ultra-violet light for isolation of mutants deficient in pigment production and study of this mutation on bio-control activity.	International Conference	Poster	Annasaheb Magar College, Hadapsar, Pune
17.	Dr. M. S. Girase	29-01-16 to 30-01-16	Biological control of soil-borne plant pathogen <i>Rhizoctonia solani</i> using <i>Tricho. harzianum</i> for production of pesticide free vegetables.	International Conference	Poster	KTHM College, Nashik

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18.	Dr. M. S. Girase	10-10-15 to 11-10-15	Study of effect of Kumbhamela on Godawari River Water Quality	National	Oral	Adv. Vitthalrao Hande College of Education, Nashik
19.	Dr. M. S. Girase	26-02-15 to 27-02-15	Use of Virtual laboratory for enhancing quality of scientific education	International Conference	Poster	Modern College, Pune.
20.	Dr. M. S. Girase	22-01-15 to 24-01-15	Control of Leaf Blight Pathogen of Grapes by Phyto-Chemicals for Prevention of Loss of Biodiversity	International Conference	Oral	Nandgaon College, Nandgaon
21.	Dr. M. S. Girase	16-12-14 to 17-12-14	Study of germination inhibition of plant pathogenic fungi by <i>Trichoderma harzianum</i> mutants.	National Conference	Oral	K.S.K.W.A. S.C.College, CIDCO, Nasik
22.	Dr. M. S. Girase	12-01-15 to 13-01-15	Control of hospital acquired infections of <i>Pseudomonas aeruginosa</i> by herbal preparation.	National Conference	Oral	K. V. N. Naik College, Nashik
23.	Dr. M. S. Girase	26-09-14 to 27-09-14	Checking potential of Chromate resistant mutants of <i>Trichoderma harzianum</i> in controlling growth of plant pathogenic fungi as an alternative to chemical pesticides.	National Conference	Oral	Sangamner College, Sangamner
24.	Dr. M. S. Girase	5-06-14 to 10-06-14	Isolation and characterization of auxotrophic mutants of <i>Trichoderma harzianum</i> having improved bio-control activity	Ist International Virtual Congress	Oral	International Science Congress Association

Sr. No.	Name of the author	From To	Title of the paper	Name of Workshop / Seminars	Oral/ Poster	Organized by, Place
25.	Dr. M. S. Girase	19-12-13 to 21-12-13	Study of plant derived biopesticides on emergence of Seed borne fungi	International Conference on Biosciences with special reference to Environmental Issues (ICBEI-2013)	Oral	Dept. of Zoology, Shivaji University, Kolhapur
26.	Dr. M. S. Girase	26-10-13 to 27-10-13	Reflective Teaching – a tool for professional development of teacher	National Conference on Reflective Education	Oral	Adv. Vitthalrao Hande College of Education, Nashik
27.	Dr. M. S. Girase	16-04-13 to 17-04-13	Activity of weed extract against pathogens of important crops of Nashik region. (grapes & onion)	Innovation 2013 Regional research conference	Oral	Ahmednagar College, Ahmednagar
28.	Dr. M. S. Girase	8-12-12 to 9-12-12	Antimicrobial activities of Indian weed <i>tridax procumbens</i> – An in vitro study.	2 nd International Science Congress	Oral	International Science Congress Association
29.	Dr. M. S. Girase	30-05-12 to 1-06-12	Inhibition of plant pathogens by solvent extracts of <i>Lantana camara</i> leaves as a safe alternative to chemical pesticide.	3 rd International Conference on Environmental Research & Technology (ICERT 2012)	Oral	Park Royal, Penang, Malaysia
30.	Dr. M. S. Girase	16-03-12 to 17-03-12	Activity of organic solvent extracts of common Indian weed <i>Achyranthes aspera</i> against important crops of Nashik.	Innovation 2012 Regional research conference	Poster	S.P.H.M. Mahavidyalaya, Malegaon
31.	Dr. M. S. Girase	28-1-11 to 30-1-11	Organic solvent extracts of common Indian weed <i>Achyranthes aspera</i> shows antibacterial and antifungal activity against plant pathogens.	International Conference on Biodiversity & its Conservation	Poster	Modern College, Pune.
32.	Dr. M. S. Girase	21-1-11 to 22-1-11	Inhibition of plant pathogens by phytochemicals as a safe alternative to chemical pesticide.	State Level Seminar on effect of Pollution on Biodiversity	Poster	K.S.K.W.A. S.C.College, CIDCO, Nashik

Resource Person for Conferences /seminar/workshops

Sr. No.	Name of the author	From To	Title of the paper	Name of Workshop / Seminars	Resource Person	Organized by, Place
1	Dr. M. S. Girase	5-08-2020 to 10-08-2020	Comparative study of biologically recovered & chemically synthesized chitin	Int. Virtual Congress-7th	Resource Person	Int. Sci. Congress Association

Research projects (Ongoing/completed)

Sr. No.	Title of Project	Project Period	Name of Funding agency	Amount (in lakhs)	Status
1	Isolation, Identification of Chitosan & Chito-oligosacchride producing micro-organisms and to study their potential in management of chitinous waste generated from marine sources in Thane district west coast of Maharashtra	2016-18	BCUD, S. P. Pune University	2.10	Completed
2	Antimicrobial activity of weed extract against Grape and onion pathogens.	2011-13	BCUD, S. P. Pune University	2.00	Completed

Books/Patent Publications

Sr. No.	Name of the Author	Title of the Patent/ Certificate of registration of design	Publication Year	Publication Agency
1	M. S. Girase	Bacteria detecting plate	02-04-2022	Government of India. The Patent Office

Sr. No.	Name of the Author	Title of the Book/ patent	Name of the Editor	Name of Publisher	Publication Year	Level: National/international	ISSN/ISBN
2	M. S. Girase	Emerging trends in biosciences	Dr. Nikhil Agnihotri	Infocapsule LLP. Lucknow	2022-23	National	788195744121

Refresher/Orientation/FDP/Trainings

Sr. No.	Name of Refresher/ Orientation/ FDP/ Trainings Programme attended	Organizing Institute	Period	Grade Or Completed
1.	Short Term Course	NDMVP KBTCOE	18-12-14 to 30-12-14	Completed
2.	Short Term Course	KTHM College	12-05-14 to 18-05-14	Completed
3.	Refresher Course	KTHM College	24-09-11 to 14-10-11	A
4.	Refresher Course	H. P. University, Shimla	1-04-10 to 21-04-10	A
5.	Refresher Course	Prof. R. M. More College, Pune	18-10-04 to 08-11-04	A
6.	Orientation Course	Pune University	31-08-02 to 27-09-02	A

Seminar /Conference/ STTP Attended

Sr. No.	Title of Workshop / Seminars	Place	Period From	To	Duration (Days)
1.	International Workshop on Phytochemical analysis of therapeutically active constituents of pharmaceutically imp. Medicinal plants	Dept. of Botany Pune University	13-01-12	13-01-12	1
2.	International Conference on Current Trends in Medicinal plants	Dept. of Botany Pune University	10-01-12	12-01-12	3

3.	National Seminar on Impact of nonconventional energy on human life	G.D. Sawant A.C.S.& B.C.S. College, Nashik	28-08-11	30-08-11	3
4.	International Conference on Biodiversity & its Conservation	Modern College,Pune.	28-1-11	30-1-11	3
5.	State Level Seminar on effect of Pollution on Biodiversity	K.S.K.W.A.S.C.College, CIDCO,Nasik	21-1-2011	22-1-2011	2
6.	Workshop on Biotechnology and Biodiversity	A.S.C.College, CIDCO,Nasik	13-02-07	13-02-07	1
7.	Conference on “Science Technology and Society	I.I.P.A. Nasik Branch	04-11-05	04-11-05	1
8.	Workshop on Environmental Awareness	A.S.C.College, CIDCO,Nasik	05-03-05	05-03-05	1
9.	Seminar on Recent Trends in Biotechnology	A.S.C.College, CIDCO,Nasik	08-10-03	08-10-03	1
10.	Seminar on Renewable Energy perspectives of coming decade	A.S.C.College, CIDCO,Nasik	07-10-03	07-10-03	1
11.	Workshop on S.Y.B.Sc.Botany practicals	A.S.C.College, CIDCO,Nasik	06-09-03	06-09-03	1
12.	Computer Fundamentals & office automation	A.S.C.College, CIDCO,Nasik	15-07-03	25-07-03	10
13.	Seminar on Environmental Pollution	A.S.C.College, CIDCO,Nasik	30-01-03	31-01-03	2
14.	Workshop on NET/SET Preparation	North Maharashtra University	19-01-02	20-01-02	2
15.	Workshop on use of Computer in Chemistry	A.S.C.College, CIDCO,Nasik	30-08-01	31-08-01	2
16.	Office Automation Course	A.S.C.College, CIDCO,Nasik	10-06-00	10-07-00	30
17.	Workshop on T.Y.B.Sc. Microbiology Syllabus	H.P.T.R.Y.K. Sci. College, Nasik.	09-04-99	10-04-99	2
18.	Orientation in Office Automation	Author Computers	15-01-98	03-02-98	15
19.	Basic & advanced Immunology	Dept. of Microbiology Univ of pune	20-01-93	22-01-93	3

Membership of Professional Institutions

- Indian Science Congress - Life Member
- International Science Congress association - Fellow Member
- Association of Microbiologist of India- Member
- Indian chitin and chitosan society - Life Member

Role in Curriculum/administrative Activity (College level committee)

- Head of the department
- Diploma in (MLT) - Coordinator
- Environmental Awareness Assistant coordinator
- Examination committee-Member
- NAAC IQAC- Member

- NAAC Criterion-III Coordinator
- Academic audit- Member
- Health audit - Member

I hereby declare that the above written particulars are true to the best of my knowledge and belief.

Date: 10/04/2023



Dr. M.S.Girase