

## **BIO-DATA**



Full Name : Ms. Vaishali Arun Gargade  
Father's Name : Arun Ramchandra Gargade  
Educational Qualifications : M.Sc. Microbiology  
Designation : Assistant Professor  
Date of Birth : 1<sup>st</sup> June 1974  
Permanent address : A/P:Kurul, Tal:Mohol,Dist: Solapur-413245  
Present address : Deshmukh Patil vasti ,behind Damaninagar ,  
Solapur,413001  
Mobile number : 9146394176  
E-mail address : vaishalitankasale@gmail.com  
Gender : female  
Languages known :

Languages	Read	Write	Speak
Marathi	✓	✓	✓
Hindi	✓	✓	✓
English	✓	✓	✓

Nationality : Indian  
Domicile : Maharashtra  
Area of specialisation :1) Environmental Biotechnology.  
2) Agricultural Microbiology

### **❖ Educational Qualifications :**

Degree	Board/ University	Year of Passing	Division/ Grade	% of marks	Subject/s
B. Sc.	Shivaji	1995	Ist class with Dist.	71.56%	Microbiology
M.Sc.	Shivaji	1997	Ist class with Dist.	70.02%	Microbiology
Certificate Course in Computer Application	P.C.Point, Karad	1997	2 <sup>nd</sup> class with	--	--

Ph.D.	Solapur university, Solapur	2018	-	-	Microbiology
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❖ **Date of appointments:**

Sr. No.	Name of College	Nature of Appointment	Date of Appointment		No. of Year/s & Month/s
			From	To	
1)	Sharadabai Pawar College, Baramati.	Full Time	June 1997	April 1999	2 yrs.
2)	Dept of Biotech, Walchand College of Arts & Science, Solapur.	Fulltime	20/6/2008	Till date	10 yrs

**Total Teaching Experience :** 12 yrs.

Undergraduate: 12 years

Post graduate: 6 years

**Activities involved in University work:**

- Experience as Jr. Supervisor for University examinations.
- External and Internal Examiner for B. Sc biotechnology and B.Sc.
- Microbiology, M.Sc. Biotechnology and M.Sc. Genetics for Practical Examinations
- B.O.S. Sub-Committee member of syllabus setting for B. Sc. I,II,III Biotechnology.
- Examiner and Moderator for UG and PG Biotechnology Theory examinations.
- Paper setter for B. Sc. and M. Sc. Biotechnology and M.Sc. Genetics Theory and Practical Examinations.
- Flying Scaud for Yashwantrao Chavan Open University Examinations held in Solapur District in year 2014-2015.

**Social Activites:** Participated in blood donation camp held at Dayanand College, Walchand college Solapur

**Activities involved at College level:**

- Organized Guest lectures on Prakrut language, Plant tissue culture, Water pollution and Water conservation, World by 2050, Nanotechnology in cosmetics, Effect of pesticides on Human health etc. for B.Sc. and M. Sc. Biotechnology students.

- Worked as Convener of Quiz completion organized by Bhagwan mahavir Adhayan Kendra, Walchand college of Arts and Science, Solapur in Jan 2014.
- Participated in NSS camp held at Thirth, Mardi, Shivani, Gulvanchi, Vadgaon etc. organized by Walchand College of Arts and Science, Solapur 2013 and 2014.
- Worked as committee member of Internal Examinations, Prize distribution, Discipline, B. C. Cell, Result analysis, Art circle TS SAF, Antiragging, Grievence at College level.
- Organized essay Seminars, extempore, poster presentation competitions for B.Sc. students in association of Microbiologist's Society of India since from 2013.
- Organised Students visit to Dudh Pandhari, Ashwini Sahakari Rugnalaya, National Research Centre On Pomegranate, Shri siddheswar Sahakari Sakar Karkhana, Plant tissue culture laboratory to Wadala, Solapur etc. for B.Sc. and M.sc. Biotechnology students on 6<sup>th</sup> August 2015
- Worked as a committee member of one day seminar "Exploring Microbial Biotechnology" organized by Dept. of Microbiology, Walchand College, Solapur 12<sup>th</sup> January 2014
- Worked as a committee member of three days International conference "on "Chemical, Material and Biosciences for sustainable Development" organized by Walchand College, Solapur 8<sup>th</sup> – 10<sup>th</sup> January 2015.
- MOUs: Worked as a committee member of MOUs signing with National Research Centre on Pomegranate ,Solapur and Walchand College, Solapur 8<sup>th</sup> – 10<sup>th</sup> January 2015.
- MOUs: Worked as a committee member of MOUs signing with Shri Siddheswar Sahakari Sakar Karakhana ,Solapur and Walchand College, Solapur on July 2016
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❖ **Courses/ Workshops/ Conferences/ Seminars/ Symposia etc. attended:**

<b>Sr. No.</b>	<b>Title</b>	<b>Place</b>	<b>Date</b>
1	Practical aspects of biotechnology	Walchand college of Arts and Science, and BioEra Solapur	16 Jan 2010
2	Microbial Biotechnology	D.B.F. Dayanand College of Arts and Science, Solapur	24 Jan to 25 Jan 2011
3	Exploring Microbial Biotechnology	Dept. of Microbiology, Walchand College, Solapur	12 <sup>th</sup> January 2014

4	International conference on “Chemical, Material and Biosciences for sustainable Development”	Walchand college of Arts and Science ,Solapur	8 <sup>th</sup> – 10 <sup>th</sup> January 2015.
5	Seminar cum Exhibition “Pomegranate for Nutrition, livelihood Security and Entrepreneurship Development’	National Research Centre on Pomegranate, Solapur, Maharashtra.	5-7th December 2014
6.	Techniques for Advanced Basic Sciences	Walchand college of Arts and Science, Solapur	24 January, 2017
7	Techniques in Advanced Biotechnology and Nanotechnology	Walchand college of Arts and Science, Solapur	13 February, 2017
8	One day Workshop Rainwater harvesting for groundwater development	Walchand college of Arts and Science, Solapur	13 <sup>th</sup> December, 2017
9	One day National conference Microbial technology for sustainable development	D.B.F. Dayanand College of Arts and Science, Solapur	2 Feb 2018
10	Resource person for One day workshop Techniques in Molecular biology and Zoology	Walchand College of Arts and Science, Solapur	6 th February, 2018
11	Resource person for One day workshop Advance techniques in Zoology	Walchand College of Arts and Science, Solapur	12 th February, 2018
12	Resource person for One day workshop Biological water qualities	Tata institute of Social Sciences, Tuljapur and Walchand College of Arts and Science, Solapur	12 th January 2018
13	Organizing committee member for One day workshop Advanced Techniques for Basic Sciences	Walchand College of Arts and Science, Solapur	8 th February 2018
14	Organizing committee member for National seminar Contemporary	Walchand Centre for Research in Nanotechnology and	16 th February, 2018

	Sciences	nanobiotechnology Solapur	
15	Organizing committee member for Inter college poster competition Human genetic diseases	Walchand College of Arts and Science, Solapur	20 <sup>th</sup> July 2017
16	Organizing committee member for Inter college poster competition Applied Genetics	Walchand College of Arts and Science, Solapur	20 <sup>th</sup> July 2018
17	Organizing committee member for state level Quiz competition	Walchand College of Arts and Science, Solapur	21 <sup>th</sup> July 2018

### Scientific activities:

- Guided to UG and PG students of Biotechnology for their Research projects.
- Organised student seminars, extempore, Guest lectures, workshops.

**Ph. D.:** Completed Ph.D. degree in Microbiology at Solapur University, Solapur.

**Topic:** Efficacy of some medicinal plant extracts for management of Bacterial blight on Pomegranate (*Punica granatum* L.).

**Completed research Project :** U.G.C. Funded Research project entitled

“Management of Bacterial Blight on Pomegranate (*Punica granatum* L.) by using bio-control agent-An Ecofriendly approach.

### Paper Published: National-1 International-6

- ❖ **V. A. Gargade**, D.G. Kadam (2013): Anti-bacterial activity and phytochemical analysis of some medicinal plants against *Xanthomonas axonopodis* pv. *punicae*, phytopathovar of bacterial blight of pomegranate Bionano Frontier ,6(1):26-28. Impact Factor: 0.235.
- ❖ **V. A. Gargade** , R. R. Swami , D. G. Kadam , K. P. Shinde (2013): Pectinase Production by *Aspergillus* Spps. in Submerged Fermentation by using Agricultural Wastes as a Substrate Indian Streams Research Journal 3(7):1-5. Impact Factor: 0.2105
- ❖ **Gargade V.A.** and Kadam D.G.(2014): Antibacterial activity of some Herbal extracts and traditional biocontrol agents against *Xanthomonas axonopodis punicae*” Journal of International academic Multidisciplinary, 2(3): impact factor 1.393
- ❖ **Gargade V.A.** and Kadam D.G.(2015): In vitro Evaluation of antibacterial potential of *Pongamia pinnata* L. against *Xanthomonas axonopodis punicae*” International Journal of current Microbiology and Applied Sciences, 4(5): 824-833 May 2015 impact factor 2.015

- ❖ **Gargade V.A.** and Kadam D.G.(2015): Screening of antibacterial potential of *Ricinus communis* L. leaves extracts against *Xanthomonas axonopodis punicae*” Int. J. Adv. Res. Biol. Sci. 2(9): 47–51. Impact factor: 1.3
- ❖ **Vaishali A. Gargade**, Nilesh. R. Yemul, Nitin. N. Bolabatin, Prathusha. S. Chegu and Dilip G. Kadam (2017). Production of bio-ethanol by anaerobic fermentation of green tobacco leaves (*Nicotina tobaccum*) by using *Saccharomyces cerevisiae* *International Journal of Development Research*. 07 (06):13007-13010.
- ❖ Meru, J. A., **Gargade, V. A.**, Pawar, R. S., Sura, A. S., Gund, S. S., Bhandari, Y. L. and Kadam, D. G 2017. Isolation, characterization of potassium solubilizing bacteria and its effect on growth of *Trigonella foenum-graecum*. *Contemporary Research in India*, NAAS Score 2017: 3.23

#### **Poster presentation:**

National seminar cum exhibition:

- ❖ **V.A .Gargade** and D. G. Kadam “Evaluation of antibacterial activity of some Herbal extracts and traditional biocontrol agents against *Xanthomonas axonopodis punicae*” in ‘Pomegranate for Nutrition, livelihood Security and Entrepreneurship Development’ held on 5-7th December 2014 organized by National Research Centre on Pomegranate, Solapur, Maharashtra.
- ❖ Anjali Pulli and **V.A .Gargade** presented Poster “Evaluation of antimicrobial activity of Pomegranate Juice against Gram positive and Gram Negative bacteria” organized by Gogate Jogalekar College, Ratnagiri in September 2015
- ❖ Ajit Sutar, Aniruddha Thakur and **V.A .Gargade** presented Poster “Production of Wine from of Dragaon Fruit and its Antimicrobial activity against enteropathogens ” organized by Gogate Jogalekar College, Ratnagiri in September 2015
- ❖ **V.A .Gargade**. presented poster entitled In vitro evaluation of antibacterial potential of *Pongamia pinnata* L. against *Xanthomonas axonopodis punicae* phytopathovar of bacterial blight of pomegranate, College level Prerana Research festival November 2017

- ❖ **V.A .Gargade.** presented poster at University level Avishkar entitled In vitro evaluation of antibacterial potential of *Pongamia pinnata* L. against *Xanthomonas axonopodis punicae* phytopathovar of bacterial blight of pomegranate December 2017
- ❖ Niranjani C. Patil, Vaishali A. Gargade, Yogesh L. Bhandari. Bio-Control of *Sitophilus Granaries* (Grain Weevil) Using Plant Extracts and Cow Urine National Conference on “Microbial Technology for Sustainable Development” 2nd February, 2018 organized by D.B.F. Dayanand College of Arts and Science, Solapur
- ❖ Rutuja S. Pawar, **Vaishali A. Gargade.** Isolation and Characterization of Potassium Solubilizing Bacteria and its Effect on Growth of *Vignaradiata* National Conference on “Microbial Technology for Sustainable Development” 2nd February, 2018 organised by D.B.F. Dayanand College of Arts and Science, Solapur
- ❖ **Gargade V. A.** and Kadam D.G. Selection of Method to Determine Pathogenicity of *Xanthomonas Axonopodis* Pv. *Punicae* National Conference on “Microbial Technology for Sustainable Development” 2nd February, 2018 organised by D.B.F. Dayanand College of Arts and Science, Solapur
- ❖ **Gargade V.A.** State level Avishkar In vitro evaluation of antibacterial potential of *Pongamia pinnata* L. against *Xanthomonas axonopodis punicae* phytopathovar of bacterial blight of pomegranate, January,2018

#### **International Conferences:**

- ❖ **V.A. Gargade,** A. R.Pulli ,B. K. Bhat, D. G. Kadam, “Evaluation of antimicrobial activity of Pomegranate Juice against oral pathogens” in international conference on “Chemical, Material and Biosciences for sustainable Development” held on 8<sup>th</sup> – 10<sup>th</sup> January 2015.organised by walchand College Of Arts and Science ,Solapur, Maharashtra India.

#### **Hands on Instruments and Techniques:**

- ❖ Electrophoresis unit, spectrophotometer, Soxhlet apparatus, Rotary flash evaporator, BOD, COD digester, PCR, Gel documentation, Inverted microscopes, Digiscope etc. Immunoelectrophoretic techniques, Hematology techniques, fermentation Technology, Microbial Technology, Food and Dairy technology, Quality control practices etc.

**Consultancy services:**

- ❖ Working as a consultant and providing consultancy services viz. Antimicrobial activity, Microbiological analysis of Water  
Microbial analysis of soil

**Awards / recognitions received:**

- ❖ Stood First in Zoology in the college (DBF Dayanand College of Arts & Science, Solapur) at the B.Sc. Part-II Examination in year 1994.
- ❖ Stood First in Microbiology in the college (DBF Dayanand College of Arts & Science, Solapur) at the B.Sc. Part-I in year 1993 and B.Sc. II Examination in year 1994.
- ❖ Received award as a “Best Reader” given by Walchand College of Arts and Science in Year 2014
- ❖ Received First prize at College level Prerana Research festival
- ❖ Received Research 2<sup>nd</sup> prize University level Avishkar competition held by Solapur University, Solapur 27<sup>th</sup> and 28<sup>th</sup> December 2017.