

Resume



Name: Mr. Vishwas Shankar Patil (Chormare)

Birth Date: 15/03/1983

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Designation: Assistant Professor and Head, Department of Microbiology, Lal Bahadur Shastri College, Satara- 415002, M.S., India.

Date of appointment: 15th July 2010.

Educational Qualification:

Degree	University	Year	Class
GATE	IIT New Delhi and MHRD, Govt of India	12 Feb 2012	Qualified (All India Rank-501)
NET-LS	CSIR-UGC	Dec 2009	Qualified (All India Rank-0041)
SET(3 times)	1.State Agency-University of Pune	7 Aug 2011	Qualified
	2.State Agency-University of Pune	12 Dec 2010	Qualified
	3.State Agency-University of Pune	18 Jan 2009	Qualified
M.Phil	The Global Open University, Nagaland	10 Jun 2009	First class (73%)
M.Sc.	Shivaji University Kolhapur	Apr 2008	Distinction (80.75%)
B.Sc.	Shivaji University Kolhapur	Apr 2006	Distinction (79.56%)

Research work:

Details of Ph.D thesis:

Ph. D thesis title	“Ecofriendly microbiological treatment of vegetable waste with special reference to biomethanation process”
Guide name	Dr. H V. Deshmukh, Dept of Microbiology, Y.C.I.S. Satara-415001
University	Shivaji University, Kolhapur
Year of award	Ph. D Thesis is submitted to university on 30 th June 2017

Details of M.phil thesis:

M.phil thesis title	“Antipathogenic activities of human skin bacterial isolates”
Guide name	Dr. G. R. Pathade, Dept of Microbiology, Fergusson College, Pune.
University	The Global Open University, Nagaland
Year of award	10 th June 2009

Research Experience

Research papers published in International journals: 19

1. Patil VS and Deshmukh HV (2017) *Bacillus amyloliquefaciens*-B1 and *Brevundimonas diminuta*-B2: The potent hydrolytic bacterial isolates from biogas digester run on vegetable waste, Asian Journal of Microbiology, Biotechnology and Environmental Sciences, 19 (3): 1-5. **In Press.**
2. Patil VS and Deshmukh HV (2017) *Aspergillus flavipes*-M1 and *Penicillium chrysogenum*-M2: The potent hydrolytic molds from biogas digester run on vegetable waste, Research Journal of Chemistry and Environment, 21 (4): 19-24.
3. Patil V.S. and Deshmukh H.V. (2016). Studies on Molds from Vegetable Waste, Cattle Dung Slurry and Biogas Digester Effluent. International Journal of Current Microbiology and Applied Sciences. (ISSN: 2319-7706). Vol.5 (9), pp.182-189.
4. Patil V.S. and Deshmukh H.V. (2016). Optimization of process parameters for biomethanation of vegetable wastes. Journal of Environmental Research and Development (ISSN 0973 – 6921; E – ISSN 2319 – 5983). Vol.11 (1), pp.117-122.
5. Patil V.S. and Deshmukh H.V. (2015). Manural values and pollution abatement study effluent and sludge generated from biogas digester run on vegetable wastes. Asian Journal of Science and Technology (ISSN: 0976-3376). Vol.6 (10), pp.1840-1843.
6. Patil V.S. and Deshmukh H.V. (2015). Biomethanation potential study of individual and combined vegetable wastes. International Research Journal of Environmental Sciences (SJIF=3.116, ISSN: 2319-1414). Vol.4 (7), pp.75-80.
7. Patil V.S. and Deshmukh H.V. (2015). Co-digestion of potato and onion market waste for biogas generation. Journal of Global biosciences (IIFS= 1.115, ISSN: 2320-1355).Vol.4 (6), pp.2532-2536.
8. Patil V.S. and Deshmukh H.V. (2015). Anaerobic digestion of vegetable wastes for biogas generation: A review. International Research Journal of Environmental Sciences (SJIF=3.116, ISSN: 2319-1414). Vol.4 (6), pp.80-83.
9. Patil V.S. and Deshmukh H.V. (2015). A review on co-digestion of vegetable waste with other organic wastes for energy generation. International Research Journal of Biological sciences (UIF=1.1269, ISSN: 2278-3202). Vol.4 (6), pp.83-86.
10. Patil V.S. and Deshmukh H.V. (2015). A review on optimization of parameters for biomethanation of vegetable wastes. International Journal of Current Microbiology and Applied Sciences (ISSN: 2319-7706). Vol.4 (4), pp.488-493
11. Patil V.S. and Deshmukh H.V. (2015). Biomass as a source of renewable energy: a comprehensive review. International Journal of Current Research (ISSN: 0975-833X). Vol.7 (3), pp.13749-13757.
12. Jadhav P.S. and Patil V.S. (2015). Allelopathic effects of fencing plants on crop plants. International Journal of Researches in Biosciences, agriculture and Technology (ISSN: 2347-517X). Vol.2 (3), pp.39-41.

13. Patil V.S. (2014). Isolation, characterization and identification of rhizospheric bacteria with the potential for biological control of *Sida acuta*. Journal of Environmental Research and Development (e ISSN: 2319-5983, p ISSN: 0973-6921). Vol.8 (3), pp.411-417.
14. Patil V.S. (2014). *Bacillus subtilis*: A potential salt tolerant phosphate solubilising bacterial agent. International Journal of Life sciences, Biotechnology and Pharma Research. Vol.3 (2), pp.141-145.
15. Patil V.S. (2013). Rhizospheric Bacteria with the Potential for Biological Control of *Parthenium hysterophorus*. Journal of Chemical, Biological and Physical Sciences (e ISSN: 2249-1929). Vol. 3(4), pp. 2679-2686.
16. Patil V. S. and Jadhav P. S. (2013). A Survey of Weed Flora in Crop Fields of Satara Tahsil (M.S.), India. Universal Journal of Environmental Research and Technology (e ISSN: 2249-0256). Vol.3 (2), pp.233-241.
17. Patil V.S., Patil S.V., Deshmukh H.V. and Pathade G.R. (2013). Isolation of halotolerant, thermotolerant and phosphate solubilising species of *Azotobacter* from the saline soil. Nature Environment and Pollution Technology (ISSN: 0972-6268). Vol. 12(1), pp.139-142.
18. Patil V.S., Shikh N.R. and Patil S.V. (2012).Effect of different herbicides on nodulation property of Rhizobial isolates. Universal Journal of Environmental Research and Technology (e ISSN: 2249-0256). Vol. 2(4), pp.293-299.
19. Patil V.S., Patil S.V. and Pathade G.R. (2012).Comparative use of chemical and biological fertilizers and pesticides and their health effects on farmers in Satara tahsil, Maharashtra. Universal Journal of Environmental Research and Technology (e ISSN: 2249-0256). Vol. 2(3), pp.174-178.

Research papers published in National journals: 01

1. Patil V.S., Patil S.V. and Pathade G.R. (2012). Antipathogenic activity of human skin bacterial isolates. Bioinfolet.Vol.9 (4B), pp.685-686.

Research papers published in National Conference proceedings: 03

1. Patil V.S. (2014).Potential of cyanogenic *Pseudomonas spp* bacteria for biological control of *Parthenium hysterophorus*. Proceedings of the national conference on Recent trends in Life sciences with reference to biotechnology and applied zoology (ISBN: 978-93-82795-72-8), No.17, pp. 59-62.
2. Patil V.S. and Deshmukh H.V. (2014). Growth response of Soybean (*Glycine max L.*) to rhizospheric bacteria. Proceedings of National Conference on Environmental biotechnology (ISBN: 978-81-8498-4126), pp.187-190.
3. Patil V.S. and Shaikh N.R. (2014). Herbicide sensitivity pattern in *Rhizobium* isolates. Proceedings of National Conference on Environmental biotechnology (ISBN: 978-81-8498-4126), pp. 55-58.

Participation in Conferences/ Seminars/Workshops:

Paper presentation at:	International conferences - 03
	National conferences - 06
	National seminars - 01
	National workshops - 01

Participation in International conferences: 04

Sr. No.	Name of the International conference	Name of the organizing Institute/college/university	Nature of participation	Dates
1.	International Conference on Contemporary Research in Chemical and Life Sciences	Sadguru Gadge Maharaj College, Karad	Participation & Poster presentation on "Screening of vegetable waste for biomethanation potential"	22 nd – 23 rd April, 2015
2.	International conference on Innovations in Energy, Polymer and Environmental sciences	YCIS Satara and Shivaji University, Kolhapur	Participation & Poster presentation on "A review on Biomass as a source of renewable energy"	10 th -12 th Jan.2014
3.	International conference on Biotechnology for better tomorrow(BTBT)	Dept of Microbiology, Dr.B.A.M.U.Subcampus Osmanabad	Participation & Poster presentation on "studies on antipathogenic activities of skin bacterial isolates obtained from humans of different occupations"	8th-9th Feb.2011
4.	International conference on Biodiversity and its Conservation	Dept of Botany, Modern College of Arts, Commerce and Science, Shivajinagar, Pune	Participation	28th - 29th Jan.2011

Participation in National conferences: 10

Sr.No.	Name of the National conference	Name of the organizing Institute/college/university	Nature of participation	Dates
1.	National Conference on Recent trends in Physical,Chemical and Nanosciences	Department of Chemistry and Physics, Lal Bahadur Shastri College,Satara	Member of organizing Committee. Presented poster on "Physico-chemical analysis of vegetable waste for biogas generation"	23 rd Jan., 2017
2.	National Conference on Recent advances and applications of taxonomy in Life sciences	Department of Zoology, Y.C.I.S.Satara	Participation	6 th -7 th Oct.2015
3.	National Conference on Environmental Biotechnology	Department of Zoology,Lal Bahadur Shastri College,Satara	Joint Secretary, Member of Editorial board for Proceedings, Oral =01: "Co-digestion of potato waste and onion waste for biogas generation", Poster=02: "Growth response of Soybean (Glycine max L.) to rhizospheric bacteria", "Herbicide sensitivity"	29 th -30 th Dec.2014.

			pattern in <i>Rhizobium</i> isolates”	
4.	National conference on Recent Trends and Future Prospectus in Microbiology	Rajaram College, Kolhapur	Presented poster on “Optimization of operational and environmental parameters for biomethanation of vegetable wastes”	4 th -5 th Oct.2014.
5.	National Conference on Recent trends in Life sciences with reference to biotechnology and applied zoology	Y.C.C.S. Karad	Presented poster and received 2nd Prize. “Potential of cyanogenic <i>Pseudomonas</i> spp bacteria for biological control of <i>Parthenium hysterophorus</i> ”	27th-28th Sept.2013
6.	National Conference on IPM & Bioremediation	Department of Botany, Lal Bahaddur Shastri College, Satara	Member of organizing committee and Presented poster= “Isolation and Characterisation of <i>Rhizobia</i> spp from Bean”; Oral presentation= “Isolation of halotolerant <i>Azotobacter</i> spp from the saline soil”	13-14 th Aug.2012
7.	National Conference on “Opening up of Overseas Universities in India”.	Lal Bahaddur Shastri College, Satara	Member of organizing committee	23-24th Dec.2010
8.	National Conference on ”Global Warming and Conservation strategies”.	Department of Zoology, Lal Bahaddur Shastri College, Satara	Member of organizing committee	21st – 22nd Dec. 2010
9.	National Conference on “Nano-biotechnology: Applications and Prospects”.	Abeda Inamdar College, Camp, Pune	Participation	8th –9th Oct.2009
10.	National Conference on “Microbial Technology for Sustainable Agriculture”.	D.B.F.Dayanand College Solapur	Participation and Presented poster on “Present status and public awareness on the use of biofertilizers and biopesticides in some areas of karad tahsil-A general survey”	23rd –24th Jan.2007

Participation in National/State/University level seminars: 09

Sr.No.	Name of the Seminar	Name of organizing Institute/ College/ University	Nature of contribution	Dates
National seminars:				
1.	National seminar on Industrial interactions and placement	Lal Bahdur Shastri College, Satara	Convener	19 th April 2017
2.	National seminar on Scope and opportunities for skill based courses in industries	Lal Bahdur Shastri College, Satara	Convener	6 th May 2016
3.	National seminar on Recent trends in Biodiversity and Environmental science	M.B.S.K.K.Mahavidyalaya, Kadegaon	Oral paper presentation on “Potential of cyanogenic <i>Pseudomonas</i> spp bacteria for biological control of Ironweed (<i>Sida acuta</i>)”	3 rd - 4 th Oct. 2013
4.	National seminar on “Proposed Maharashtra Universities Act and Quality of Higher Education”.	S.U.T.A. Kolhapur	Participation	17 th Feb.2013

5.	National seminar on Importance of Applied Microbiology for Globe Protection	Y.C.I.S.Satara	Participation	11 th -12 th Jan.2013
6.	National Seminar on Convergence of law and Biotechnology	Fergusson College,Pune	Participation	17th-18th Feb.2010
7.	National Seminar on GM foods and ethics	Fergusson College,Pune	Participation	10th Feb.2009
State level seminars: Nil				
University level seminars:				
1.	One day Seminar on Recent Trends in Nanotechnology.	Dept of Microbiology, Lal Bahaddur Shastri College,Satara	Convener/ Organiser	20 th Feb.2013
2.	One day Seminar on Career Opportunities in Life Sciences	Dept of Microbiology, Lal Bahaddur Shastri College,Satara	Convener/ Organiser	31 st Jan. 2011

Participation in National/State/University level workshops: 20

Sr.No.	Name of the Workshop	Name of organizing Institute/ College/ University	Nature of contribution	Dates
1.	Workshop on “Use of ICT in teaching & learning”	Dept of English, Lal Bahaddur Shastri College,Satara	Participation	16 th Sept. 2017
2.	National workshop on Environmental problems and biodiversity	Dept of Zoology, Lal Bahaddur Shastri College,Satara	Member of organizing committee. Presented poster on “Effect of temperature on biomethanation of vegetable waste”	24 th -25 th Jan., 2017
3.	One day training workshop on “All India Secondary and higher secondary education (AISHE/MIS)	Lal Bahaddur Shastri College,Satara	Member of organizing committee	20 th Jan., 2017
4.	One day workshop on Research Methodology	Rayat Institute of Research and Development,Satara	Participation	6 th Feb. 2016
5.	One day workshop on Use of Statistics in Biological Research	Y.C.I.S.Satara	Participation	24 th Sept. 2015
6.	One day workshop on revised syllabus of B.Sc.III Microbiology	Rajaram college, Kolhapur	Participation	July 2015
7.	One day workshop on revised syllabus of B.Sc.II Microbiology	Yashwantrao Chavan College of Science, Karad	Participation	July 2014
8.	One day workshop on revised syllabus of B.Sc.I Microbiology	Smt Kusumtai Rajarambapu Patil Kanya Mahavidyalaya,Islampur	Participation	8 Aug 2013
9.	State level workshop on JRF/SRF/CSIR NET/SET guidance	Y.C.I.S.Satara	Resource person	16 May 2012
10.	Workshop on Stress management	L.B.S.College Satara and Civil Hospital Satara	Participation	13 March 2012
11.	Workshop on UGC New API Score System: A way to personality enrichment of teachers	S.U.T.A.Kolhapur	Participation	11 March 2012
12.	Workshop on Research Methodology	Dept of History, L.B.S.College,Satara	Participation	16 Dec. 2011

13.	State Level Workshop on NET-SET examination	Y.C.I.S.Satara	Participation	23rd Feb.2011
14.	Workshop on “Research Methodology”.	Dept of Hindi, L.B.S. College,Satara	Participation	29th Jan.2011
15.	Workshop on “Regression Analysis”.	L.B.S.College, Satara	Participation	29th Sept.2010
16.	National Workshop on “Environmental Science and related Problems”.	Dept of Zoology, L.B.S.College, College,Satara	Member of organizing commttee	1st –2nd Sept.2010
17.	Workshop on “Bacterial ghost based vaccine development”	National Institute for Research in Reproductive Health (ICMR),Parel, Mumbai-400 012	Participation	17th Nov.2008 – 05th Dec.2008
18.	National workshop on “Fresh Water Fisheries”	Y.C.College Karad	Participation	6th Jan.2008
19.	Workshop on Natyakala.	Y.C.College Karad	Participation	8th-9th Jan.2007
20.	Workshop on “Scientific Writing, Paper writing and Presentation”.	Y.C.College Karad	Participation	5th-6th Jan.2007

Participation in Summits: 02

Sr.No.	Name of the Summit	Name of organizing Institute/ College/ University	Nature of contribution	Dates
1.	Industry-Academia Summit	Fergusson College, Pune	Participation	8th-9th Jan.2010
2.	Maharashtra Biotechnology Summit	MCCIA Pune	Participation	14th Jan.2009

UGC Minor Research project:

Completed two years **UGC Minor Research Project** entitled “Isolation, Characterization and identification of rhizospheric bacteria with the potential for control of weeds from Satara region” (2012-2014) (**Grant sanctioned Rs. 1, 70, 000 only**).

UGC- Academic Staff College- Orientation / Refresher courses: 02

Name of the Course/ Summer School	Place	Duration	Sponsoring Agency	Grade
88 th Orientation Course	Academic staff college, Goa university, Goa	28-03-2014 to 24-04-2014	UGC, New Delhi	B
Refresher Course in Biology	HRDC, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	17-11-2015 to 08-12-2015	UGC, New Delhi	A

Responsibilities held:

1. Head, Department of Microbiology, Lal Bahadur Shastri College of Arts, Science and Commerce, Satara (15th July 2010 to till date).
2. Co-ordinator, Diploma course in Industrial Pollution and Wastewater Treatment (One year full time course run under Community College Scheme, University Grants Commission, New Delhi) since academic year 2014-15(Grant received for 2 courses : Rs. 1.31 Crore for 2014-15 to 2015-16; and Rs. 81.20 Lakhs for 2016-17 to 2017-18)
3. Member of various college committees.

Previous academic and research experience:

4. Worked as Lecturer on Adhoc basis for 2009-10 academic year in department of Microbiology, Fergusson College, Pune.
5. Worked as Visiting Lecturer for 2009-10 academic year in department of Vocational Biotechnology, Fergusson College, Pune.
6. Worked as Visiting Lecturer for 2009-10 academic year for M.Sc. Biochemistry in Fergusson College, Pune.
7. Worked as Research Scholar at Department of Infectious Diseases Biology, National Institute of Research in Reproductive Health, Parel, Mumbai (Oct.2008- May 2009).

Involvement in University Work:

1. Member, University Syllabus Sub-Committee for Diploma in Industrial Pollution and Wastewater Treatment
2. External Examiner in B.Sc. II and III Practical Examination:
3. Examiner and Moderator in B.Sc. I, II and III Theory Exam.
4. Internal Senior Supervisor for Theory Examination
5. Junior Supervisor in University Theory Examination.

Contribution to Various College Department –

Delivered a lecture on SET-NET guidance for M.Sc. LIFE SCIENCES students at:

1. Y.C.I.S. Satara
2. S.G.M.College, Karad
3. T.C.College, Baramati
4. Gogate –Joglekar Arts,Commerce and Science College, Ratnagiri
5. Dr.B.A.M.U. Subcentre Osmanabad

Awards (if any):

1. Shivaji University Merit Scholarship for M.Sc.course.
2. Ekalavya Merit Scholarship for M.Sc.course
3. First rank in M.Sc.Microbiology exam (2008) and ranked Third among M.Sc. General Merit List.

Membership:

1. Member of S.U.T.A. Kolhapur
2. Life Member, Journal of Microbial World, Microbiologists Society, Karad.

Date: 27/09/2017

Mr. V. S. Patil