

Department of Microbiology

Mr. V.S.Patil

Research publications

Sr No	Authors	Title of paper	Journal name,Vol. Number(Issue number),page number and year	Publisher/ISSN number	National/International/Proceedings	Impact factor
1.	Patil V.S. and Deshmukh H.V.	Manural values and pollution abatement study effluent and sludge generated from biogas digester run on vegetable wastes.	Asian Journal of Science and Technology Vol.6 (10), pp.1840-1843. (2015).	(ISSN: 0976-3376).	International	SJIF=5.544
2.	Patil V.S. and Deshmukh H.V.	Biomethanation potential study of individual and combined vegetable wastes.	International Research Journal of Environmental Sciences Vol.4 (7), pp.75-80. (2015).	ISSN: 2319-1414).	International	SJIF=3.116
3.	Patil V.S. and Deshmukh H.V.	Co-digestion of potato and onion market waste for biogas generation.	Journal of Global biosciences Vol.4 (6), pp.2532-2536. (2015).	ISSN: 2320-1355	International	(IIFS=1.115),
4.	Patil V.S. and Deshmukh H.V.	Anaerobic digestion of vegetable wastes for biogas generation: A review.	International Research Journal of Environmental Sciences Vol.4 (6), pp.80-83. (2015).	ISSN: 2319-1414).	International	(SJIF=3.116,
5.	Patil V.S. and Deshmukh H.V.	A review on co-digestion of vegetable waste with other organic wastes for energy generation.	International Research Journal of Biological sciences Vol.4 (6), pp.83-86. (2015).	ISSN: 2278-3202).	International	(UIF=1.1269,
6.	Patil V.S. and Deshmukh H.V.	A review on optimization of parameters for biomethanation of vegetable wastes.	International Journal of Current Microbiology and Applied Sciences Vol.4 (4), pp.488-493 (2015).	(ISSN: 2319-7706).	International	2.937
7.	Patil V.S. and Deshmukh H.V.	Biomass as a source of renewable energy: a comprehensive review.	International Journal of Current Research. Vol.7 (3), pp.13749-13757. (2015).	(ISSN: 0975-833X)	International	SJIF=6.226
8.	Jadhav P.S. and Patil V.S.	Allelopathic effects of fencing plants on crop plants.	International Journal of Researches in Biosciences, agriculture and	(ISSN: 2347-517X).	International	Nil

			Technology Vol.2 (3), pp.39-41. (2015).			
9.	Patil V.S.	Isolation, characterization and identification of rhizospheric bacteria with the potential for biological control of <i>Sida acuta</i> .	Journal of Environmental Research and Development. Vol.8 (3), pp.411-417. (2014).	(e ISSN: 2319-5983, p ISSN: 0973-6921)	International	4.301
10.	Patil V.S.	<i>Bacillus subtilis</i> : A potential salt tolerant phosphate solubilising bacterial agent.	International Journal of Life sciences, Biotechnology and Pharma Research. Vol.3 (2), pp.141-145. (2014).	Nil	International	Nil
11.	Patil V.S.	Rhizospheric Bacteria with the Potential for Biological Control of <i>Parthenium hysterophorus</i> .	Journal of Chemical, Biological and Physical Sciences. Vol. 3(4), pp. 2679-2686. (2013).	(e ISSN: 2249-1929)	International	1.082
12.	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. Vol.3 (2), pp.233-241.	(e ISSN: 2249-0256)	International	Nil
13.	Patil V.S., Patil S.V., Deshmukh H.V. and Pathade G.R.	Isolation of halotolerant, thermotolerant and phosphate solubilising species of Azotobacter from the saline soil.	Nature Environment and Pollution Technology Vol. 12(1), pp.139-142. (2013).	(ISSN: 0972-6268).	International	ISI=1.621
14.	Patil V.S., Patil S.V. and Pathade G.R.	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. Vol. 2(3), pp.174-178. (2012).	(e ISSN: 2249-0256)	International	Nil
15.	Patil V.S., Shikh N.R. and Patil S.V.	Effect of different herbicides on nodulation property of Rhizobial isolates.	Universal Journal of Environmental Research and Technology Vol. 2(4), pp.293-299. (2012).	(e ISSN: 2249-0256).	International	Nil
16.	Patil V.S., Patil S.V. and Pathade G.R.	Antipathogenic activity of human skin bacterial isolates.	Bioinfolet. Vol.9 (4B), pp.685-686. (2012).	0973-1431	National	Nil
17.	Patil V.S.	Potential of cyanogenic <i>Pseudomonas spp</i> bacteria for biological control of <i>Parthenium hysterophorus</i> .	Proceedings of the national conference on Recent trends in Life sciences with reference to	(ISBN: 978-93-82795-72-8)	Proceedings of National conference	Nil

			biotechnology and applied zoology (2014). No.17, pp.59-62.			
18.	Patil V.S. and Deshmukh H.V.	Growth response of Soybean (<i>Glycine max</i> L.) to rhizospheric bacteria.	Proceedings of National Conference on Environmental biotechnology (2014). pp.187-190.	(ISBN No.978-81-8498-4126),	Proceedings of National conference	Nil
19.	Patil V.S. and Shaikh N.R.	Herbicide sensitivity pattern in <i>Rhizobium</i> isolates.	Proceedings of National Conference on Environmental biotechnology (2014). pp.55-58.	(ISBN No. 978-81-8498-4126),	Proceedings of National conference	Nil

DEPARTMENT OF MICROBIOLOGY

STUDENT RESEARCH

Name of the student	Class	Participating event	Title of Research poster	Achievement
Academic year: 2015-16				
Mr. Nikhil Vivek Nerlekar	B.Sc.III	District level Avishkar	Antibacterial activity of toothpastes against the causative agent of dental caries	Participation
Mr. Suraj N. Ghanawat	B.Sc.III	District level Avishkar		Participation
Academic year: 2015-16: Nil				
Academic year: 2013-14:				
Mr. Mulani Rahil Subhan	B.Sc.III	District level Avishkar	Bacillus subtilis:a potential phosphate solubilins bacterial isolate	Participation
Mr. Botalji Ajay Laxman	B.Sc.III	District level Avishkar		Participation
Ms. Ansari Afsana Nasir	B.Sc.III	District level Avishkar	Antibiotic resistance pattern of Pseudomonas aeruginosa , causative agent of UTI from hospitals	Participation
Ms. Babar Prajakta Dattatray	B.Sc.III	District level Avishkar		Participation