

## Dr. Vijayshree M. Hemke

Sr. No	Title	Authors	Journal, Vol. No., Page No. Year	Impact Factor if any	ISSN/ISBN No.
1	<b>Polyphasic Approach to Understand Bacterial Community Landscape in Soda Lake Environment</b>	Vishal Dhundale, <b>Vijayshree Hemke</b> , Dhananjay Desai	<i>Applied Ecology and Environmental Sciences</i> , 2021, Vol. 9, No. 8, 724-734	UGC- Care listed Group-I	ISSN 2328-3912 (P) 2328-3920(O)
2	<b>Evaluation of bioelectricity productivity using alkaliphilic Bacillus alkalogaya BW2 (1) as a possible exoelectrogens for improvement of microbial fuel cell performance</b>	Vishal Dhundale, <b>Vijayshree Hemke</b> , Dhananjay Desai, P Khemchandani	<i>Journal of Applied Biology &amp; Biotechnology</i> Vol 8 (01)2020, 69-75	Web of Science, Scopus indexing	ISSN 2455-7005 (P) 2347-212X(O)
3	<b>The Consortia of Fungi GPPV1 and GPPV2 as a Biocatalyst in Microbial Fuel Cell for the Production of Electric Current</b>	Vishal Dhundale, <b>Vijayshree Hemke</b> , Dhananjay Desai	<i>Environment and Ecology</i> 2019 Vol.37 No.3A 909-915	UGC Listed- 19719 NAAS Rating 5.25	ISSN 0970-0420
4	<b>Production and optimization of biosurfactant from <i>Pseudomonas aeruginosa</i> SJS-5 and SJS-6</b>	<b>Vijayshree Hemke</b> & Vishal R. Dhundale	<i>Asian Journal of Microbiol. Biotech. Env. Science</i> 20 (1)2018, 310-315	UGC listed - 8789 NAAS Rating - 5.00	ISSN 0972-3005
5	<b>Characterization and stability of extracellular alkaline proteases from halophilic &amp; alkaliphilic bacteria isolated from saline habitat of Lonar soda lake India</b>	<b>Vijayshree Hemke</b> and Vishal Dhundale	<i>International Journal of Pharmaceutical Sciences and Research</i> 9 (5),2018, 1974-1979	UGC CARE- 23330 Impact Factor 1.81 Embase, Pubmed Scopus indexing, Web of Science	ISSN 2322-5148(P) 0975-8232(O)

6	<b>Evaluation and exploration of lactic acid bacteria for preservation and extending the shelf life of fruit</b>	Vishal Dhundale, <b>Vijayshree Hemke,</b> D. Desai	<i>International Journal of Fruit Science</i> 2018(18) 01-14	UGC CARE-22812 Publisher: Taylor & Francis	ISSN 1553-8362 (P) 1553-8621 (O)
7	<b>Production and Stability Studies of the Biosurfactant Isolated from Alkaliphilic Bacterium SJS1</b>	Vishal Dhundale <b>Vijayshree Hemke,</b> S.Salve, G. Sharyu	<i>Bio-Science Research Bulletin</i> Vol. 34 No. 1, January - June 2018: 01-07	--	ISSN 0970-0889(P) 2320-3161(O)
8	<b>Improvement and Stable High Bioelectricity Generation Using Alkaliphilic Oceanobacillus iheyensis BS1(2) in Microbial Fuel Cells and Effect of Different Anodic Operating Conditions</b>	Vishal Dhundale, <b>Vijayshree Hemke,</b> Dhananjay Desai	<i>Ann Appl Microbiol Biotechnol J.</i> 2018, 2(1): 1010	--	ISSN 2576-5426
9	<b>Production and Stability Studies of the Biosurfactant Isolated from Alkaliphilic Bacterium SJS1</b>	Vishal Dhundale, <b>Vijayshree Hemke,</b> S. Salve, S. Gagre, J. Budhwant, T. Aglave, D. Desai	<i>Bio Science Research Bulletin</i> 34 (1)2018, 1-7	UGC Listed-5151	ISSN 0970-889(P) 2320-161(O)
10	<b>Improvement and Stable High Bioelectricity Generation Using Alkaliphilic Oceanobacillus iheyensis BS1(2) in Microbial Fuel Cells and Effect of Different Anodic Operating Conditions</b>	Vishal Dhundale, <b>Vijayshree Hemke,</b> Dhananjay Desai	<i>Annals of Applied Microbiology &amp; Biotechnology Journal</i> Vol-2, Issue-1, 1-6	--	ISSN 2576-5426
11	<b>Evaluation of Electricity generation by Microbial Fuel Cell from hypersaline Indian soda lake</b>	Vishal Dhundale, <b>Vijayshree Hemke,</b> & Akash Chaudhari	<i>Int. Journal of Pharma and Bio Sciences</i> 8 ((3): (B)) 2017, 363 – 369	UGC listed-13357 (SJIF): 7.446	ISSN 0975-6299

12	<b>Effect of Organic Solvents on the Activity and Stability of an Extracellular Protease</b>	Vijayshree Hemke and Vishal Dhundale	<i>Int. Journal of Pure App. Biosci.</i> 5 (4): (2017),1980-1988	NAAS Score: 4.74 (2020)	ISSN(E) 2582-2845
13	<b>Isolation and characterization lipase producing <i>Bacillus flexus</i> AW3 (2)</b>	Vijayshree Hemke & Vishal Dhundale	<i>European Journal of Biotechnol. Biosci</i> 5 (2)2017, 41-46	(RJIF): 5.44	ISSN 2321-9122
14	<b>Characterization of Protease From Alkali-tolerant <i>Bacillus</i> sp. DS2 Isolated From Lonar Soda Lake</b>	Vijayshree Hemke & Vishal Dhundale	<i>International J. of Pharma and Bio Sciences</i> 8 (Issue 3(B), 2017, 465 -470	<u>Scientific Journal</u> <u>Impact Factor (SJIF): 7.446</u> Embase	ISSN 0975-6299
15	<b>Antibacterial activity of a bacteriocin-like inhibitory substance produced by <i>Bacillus</i> sp. From halophilic environment</b>	Vishal Dhundale & Vijayshree Hemke	<i>International J. of Pharma and Bio Sciences</i> 8 ((3): (B)), 2017, 356 – 362	UGC listed-13357 <u>Scientific Journal</u> <u>Impact Factor (SJIF): 7.446</u> Embase Web of Science	ISSN 0975-6299
16	<b>Phylogenetic analysis of <i>Bacilli</i> from haloalkaline Lonar Soda crater</b>	Vishal Dhundale & Vijayshree Hemke	<i>Int J Pharm Bio Sci</i> 6 (4B), 2015, 279-290	<u>Scientific Journal</u> <u>Impact Factor (SJIF): 7.446</u> Embase	ISSN 0975-6299
17	<b>Comparative <i>In Silico</i> Study of Melittin From Honeybee Venom</b>	Vijayshree Hemke & Neha Bhatkar	<i>Int. Journal of Advanced Biotech and Research(IJBR)</i> , Vol-6, Issue-1,	ICV-69.46	ISSN 0976-2612(P) 2278-599X(O)
18	<b>Haloalkaliphilic <i>Bacillus flexus</i> AW3(2): Potential for biotechnological applications.</b>	Vishal Dhundale & Vijayshree Hemke V.R. More, R. D. Nagarkar	<i>Int. Journal of Pharma and Biosciences</i> 6(2): (B): 2015, 668-677	<u>Scientific Journal</u> <u>Impact Factor (SJIF): 7.446</u> Embase	ISSN 0975-6299
19	<b>Phentic diversity of alkaline protease producing bacteria from alkaliphilic environment.</b>	Vijayshree Hemke, Joshi, Fule, Vishal Dhundale & Tambekar	<i>Indian Journal of Scientific Research</i> 10(1): 2015, 47-52	UGC Listed 15651	ISSN 2250-0138

20	<b>Haloalkaliphilic flexus AW(2): Potential for biotechnological applications.</b>	V. R. Dhundale, V. R. More, R. D. Nagarkar, V. M. Hemke	<i>Int Journal of Pharm Bio Sci</i> 6 (4B) 2015, 279-290	<u>Scientific Journal</u> <u>Impact Factor</u> <u>(SJIF): 7.446</u> Embase	ISSN 0975-6299
21	<b>Isolation and characterization of a novel amylase from <i>Bacillus pseudofirmes</i> DW4(1)</b>	V. Dhundale,R. More, R. Nagarkar, <b>V. Hemke,</b> D.Tambekar	<i>Indian Journal of life Science</i> 4(1): 2014,69-76	<b>Impact Factor</b> <b>ISI:1.864</b> <b>SJIF-6.838</b>	<b>ISSN</b> <b>2277-1743(P)</b> <b>2278-7879(O)</b>
22	<b>Partial Characterization and Optimization of Alkaline Amylase Production from <i>Bacillus lehensis</i> isolated from Akaline Saline Lonar Lake.</b>	Vishal Dhundale, R. Nagarkar, <b>Vijayshree Hemke</b>	<i>Int. Journal of Advanced Biotechnology and Research(IJBR),</i> Vol-5, Issue-4:2014, 731-742	--	<b>ISSN</b> <b>0976-2612(P),</b> <b>2278-599X(O)</b>
23	<b>Identification and characterization of a human IL-10 receptor antagonist</b>	Mumtaz Naiyer, S. Saha, <b>Vijayshree Hemke,</b> Roy, Singh, Krishnasastry, Bhaskar Saha	<i>Human Immunology</i> Volume-74, Issue-1, January 2013, 28-31	<b>Impact Factor</b> <b>2.477</b>	<b>Elsevier Publications</b> <b>ISSN</b> <b>0198-8859</b>
24	<b>Venom in a sting and <i>in silico</i> prediction of antigenic Determinants of venom of <i>Apis dorsata</i></b>	<b>Vijayshree Hemke</b>	<i>Journal of Cell and Tissue Research</i> Vol. 13(1), 2013: 3479-3484	<b>NASS Impact Factor</b> <b>4.3</b>	<b>ISSN</b> <b>0973- 0028</b>
25	<b>Hematological alterations in albino rats after administration of honeybee venom</b>	<b>Vijayshree Hemke</b> And Neha Bhatkar	<i>Journal of Cell and Tissue Research</i> Vol. 11(1): 2011, 2579-2584	<b>NASS Impact Factor</b> <b>4.3</b>	<b>ISSN</b> <b>0974- 0910</b>

**Research Papers published in National/ International Conference**

<b>Sr. No</b>	<b>Title</b>	<b>Authors</b>	<b>Journal, Vol. No., Page No., Year</b>	<b>Impact Factor, if any</b>	<b>ISSN/ ISBN No.</b>
1	National Education Policy-2020 and new norms for NAAC, UGC and AICTE	Vijayshree Hemke	<i>The Research Journal</i> Vol-7, Issue 1, 2021. page 83-85	PIF 4.126	ISSN 2454-7301 (P) 2454-4930 (O)
<b>Organizer: Kamala Nehru College, Nagpur on 8<sup>th</sup> Jan 2021 National Conference</b>					
2	Role of ICT in Teaching and Learning of Zoology	Vijayshree Hemke	<i>Ajanta</i> Vol-VIII, Issue-I, Jan-Mar 2019. Page 34-41	SJIF 5.5	ISSN 2277-5730
<b>Organizer : Bharti Jain Sanghatana's Arts, Science and Commerce, College, Wagholi, Puneon 22 &amp; 23 Jan 2019 National Conference</b>					
3	Production and Characterization of metalloenzyme protease from bacillus species.	Vijayshree Hemke and Vishal Dhundale	<i>Int. Journal of Research in Biosciences, Agri. &amp; Technology.</i> Issue(2)Vol(V)2 01763-666	UGC listed (till 2/07/2018) Journal No 2658 Title 43906	ISSN 2347-517X
<b>Organizer: Shri Shivaji Science College, Nagpur on 12, 13 &amp; 14<sup>th</sup> July 2017. National Conference</b>					
4	Effect of carbon and nitrogen source on the production of Halophilic Amylase from newly isolated <i>Bacillus cereus</i>	Vijayshree Hemke, Vishal Dhundale & Rachna Nagarkar	<i>Global Environment: Issues, Challeges and Solutions</i> Vol-I, 234-238		ISBN 978-93-83587-35-3
<b>Organizer: BAMU, Aurangabad, Arts Senior College Aurangabad And Katha UK (Britain) on 29<sup>th</sup> Feb 2016. International Conference</b>					

**Articles/Chapters published in Book**

<b>Sr. No.</b>	<b>Title &amp; Page No.</b>	<b>Book Title, Editor &amp; Publisher</b>	<b>ISSN/ISBN No. &amp; Publisher</b>	<b>Authors</b>	<b>Whether Main authors</b>
1	<b>Seed Dispersal by Birds: Its Matter for Environment Sustainability Page No. 134</b>	<b>Sustainable Development for Future: "Insights from agriculture, Health, Aquaculture, Energy, Education and Environment</b>	<b>ISBN-13 : 979-8885218993 Notion Press; Vol-1 (09<sup>th</sup> Dec 2021)</b>	<b>Dr. V. M. Hemke</b>	<b>Yes</b>
2	<b>Water Conservation - Need of the time Page No. 523</b>	<b>Environment Conservation and Women Dignity</b>	<b>ISBN 978-93-91689-18-6 Aruna Publication, Latur</b>	<b>Dr. V. M. Hemke</b>	<b>Yes</b>

**Research Projects: Minor**

<b>Sr. No.</b>	<b>Title</b>	<b>Major/Minor</b>	<b>Funding Agency</b>	<b>Period</b>	<b>Amount Sanctioned</b>	<b>Sanctioned Letter</b>	<b>Status</b>
1	<b>Optimization and production of a commercially viable alkaline Protease from haloalkaliphiles</b>	<b>Minor</b>	<b>UGC WRO Pune</b>	<b>2015-17</b>	<b>4,50,000</b>	<b>File No. 47-927/14 (WRO)</b>	<b>Completed</b>