

Research Publications

Dr. Vijayshree Milind Hemke

Books Written

Name	Role	Name of Book	Publication
Dr. Vijayshree M. Hemke	Author	Tools & Techniques: A Laboratory Manual	VYD Publications, Satara ISBN: 978-81-967529-9-6
	Author	A Textbook of Tools & Techniques	VYD Publications, Satara ISBN: 978-81-977657-5-9

Research Papers Published in International Journals

Sr. No	Title	Authors	Journal, Vol. No., Page No. Year	Impact Factor if any	ISSN/ISBN No.
1	Impact of Beekeeping on the Socio-Economic Growth of India: A Review	Vijayshree Hemke	<i>Exploration</i> Issue-01 Vol-(VIII) 2025:96-104	Peer Reviewed	ISSN 2249-2089
2	Insect Pollinators Species on Sesame (<i>Sesamum indicum</i> L.) At Nanded District.(MS)	Vijayshree Hemke & Yogesh Giri	<i>Bioinfolet</i> Issue No.4 Vol (20) 2023: 628-634	UGC- CARE	ISSN 0973- 1431(P) 0976-4755 (O)
3	Present Status And Impact of Insecticide on Honey Bees In India: A Review	Vijayshree Hemke & Yogesh Giri	<i>Int. Journal of Researches In Biosciences, Agriculture And Technology</i> Issue (X) Vol (III) Sept 2022: 99-102	Peer Reviewed	ISSN 2347 – 517X

Research Publications

4	Comparative In <i>Silico</i> Study Of Phospholipase-A2 From Venom Of Four Major Indian Snakes Species.	Vijayshree Hemke	<i>Shivaji Interdisciplinary Journal</i> Vol(I)Sept 2022 66-70	Peer reviewed	ISSN 0972-3007
5	Polyphasic Approach to Understand Bacterial Community Landscape in Soda Lake Environment	Vishal Dhundale, Vijayshree Hemke, Dhananjay Desai	<i>Applied Ecology and Environmental Sciences</i> , 2021, Vol. 9, No. 8, 724-734	UGC-Care listed Group-I	ISSN 2328-3912 2328-3920(O)
6	Evaluation of Bioelectricity Productivity Using Alkaliphilic <i>Bacillus Akalogaya</i> BW2 (1) As A Possible on Exoelectrogens for Improvement of Microbial Fuel Cell Performance	Vishal Dhundale, Vijayshree Hemke, Dhananjay Desai, P Khemchandani	<i>Journal of Applied Biology & Biotechnology</i> Vol 8 (01)2020, 69-75	Web of Science, Scopus indexing	ISSN 2455 -7005(P) 2347-212X(O)
7	The Consortia of fungi GPPV1 and GPPV2 as a Biocatalyst in Microbial Fuel Cell for the Production of Electric Current.	Vishal Dhundale, Vijayshree Hemke, Dhananjay Desai	<i>Environment and Ecology</i> 2019 Vol.37 No.3A 909-915	UGC Listed - 2019 NASS Rating 5.25	ISSN 0970-0420
8	Production and Optimization of Biosurfactant from <i>Pseudomonas aeruginosa</i> SJS-5 and SJS-6	Vijayshree Hemke & Vishal R Dhudale	<i>Asian Journal of Microbiol. Biotech. Env. Science</i> Vol 20 Issue (1)2018, 310-315	UGC Listed 8789 NASS Rating 5.00	ISSN 0972-3005

Research Publications

9	Characterization and stability of extracellular alkaline proteases from halophilic & alkaliphilic bacteria isolated from saline habitat of Lonar soda lake India	Vijayshree Hemke 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	ISSN 2322-5148(P) 0975-8232(O)
10	Evaluation and exploration of lactic acid bacteria for preservation and extending the shelf life of fruits	Vishal Dhundale Vijayshree Hemke, D. Desai	<i>International Journal of Fruit Science</i> 2018(18) 01-14	UGC Care-22812 Publisher: Taylor &	ISSN 1553-8362(P) 1553-8621(O)
11	Improvement and Stable High Bioelectricity Generation Using Alkaliphilic <i>Oceanobacillus iheyensis</i> BS1(2) in Microbial Fuel Cells and Effect of Different Anodic Operating Conditions	Vishal Dhundale, Vijayshree Hemke, Dhananjay Desai	<i>Ann Appl Microbiol Biotechnol J.</i> 2018, 2(1): 1010	--	ISSN 2576-5426
12	Production and Stability Studies of the Biosurfactant Isolated from Alkaliphilic Bacterium SJS1	Vishal Dhundale, Vijayshree Hemke, 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)
13	Improvement and Stable High Bioelectricity Generation Using Alkaliphilic <i>Oceanobacillus iheyensis</i> BS1(2)in Microbial Fuel Cells and Effect of Different Anodic Operating Conditions.	Vishal Dhundale, Vijayshree Hemke, Dhanajay Desai	<i>Annals of Applied Microbiology & Biotechnology Journal</i> Vol-2, Issue-1, 1-6	---	ISSN 2576-5426

Research Publications

14	Evaluation of Electricity Generation by Microbial Fuel Cell from Hypersaline Indian Soda Lake	Vishal Dhundale, Vijayshree Hemke & 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
15	Effect of Organic Solvents on the Activity and Stability of an Extracellular Protease Secreted by the Haloalkaliphilic <i>Bacillus firmus</i> HS4	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
16	Isolation and Characterization Lipase Producing <i>Bacillus flexus</i> AW3 (2) Cultural Conditions, Nutritional Requirements and Some Properties of Crude Enzyme	Vijayshree Hemke & Vishal Dhundale	<i>European Journal of Biotechnol.Biosci</i> 5(2)2017, 41-46	(RJIF): 5.44	ISSN 2321-9122
17	Characterization of Protease From Alkali-Tolerant <i>Bacillus</i> Sp. DS2 Isolated From Lonar Soda Lake	Vijayshree Hemke & Vishal Dhundale	<i>International J. of Pharma and Bio Sciences</i> 8 (Issue 3(B), 2017, 465 -470	(SJIF): 7.446 Embase	ISSN 0975-6299
18	Antibacterial Activity of A Bacteriocin-Like Inhibitory Substance Produced By <i>Bacillus</i> Sp. From Halophilic Environment	Vishal Dhundale & Vijayshree Hemke	<i>International J. of Pharma and Bio Sciences</i> 8 ((3): (B)), 2017, 356 – 362	Web of Science, UGC Listed - 13357 (SJIF): 7.446 Embase	ISSN 0975-6299
19	Phylogenetic Analysis of Bacilli from Haloalkaline Lonar Soda Crater	Vishal Dhundale & Vijayshree Hemke	<i>Int. J. Pharm Bio Sci</i> Vol- 6, Issue(4B), 2015, 279-290	Scientific Journal Impact Factor (SJIF): 7.446	ISSN 0975-6299

Research Publications

20	Comparative <i>In Silico</i> Study of Melittin From Honeybee Venom	Vijayshree Hemke & Neha Bhatkar	<i>Int. Journal of Advanced Biotech and Research(IJBR)</i> , Vol-6, Issue-1, 2015,1-6	ICV-69.46	ISSN 0976-2612(P) 2278-599X(O)
21	Haloalkaliphilic <i>Bacillus flexus</i> AW3(2): Potential for Biotechnological Applications	Vishal Dhundale & Vijayshree Hemke V.R. More, R. D. Nagarkar	<i>Int. Journal of Pharma and Biosciences</i> 6(2): (B): 2015, 668-677	UGC Listed - 13357 (SJIF): 7.446 Embase	ISSN 0975-6299
22	Phentic Diversity of Alkaline Protease Producing Bacteria from Alkaliphilic Environment	Vijayshree Hemke, Joshi, Fule, Vishal Dhundale & Tambekar	<i>Indian Journal of Scientific Research</i> Vol10 Issue (1): 2015, 47-52	UGC Listed 15651	ISSN 2250-0138
23	Isolation and Characterization of a Novel Amylase from <i>Bacillus pseudofirmes</i> DW4(1)	V. Dhundale, R More, R Nagarkar, V. Hemke, D. Tambekar	<i>Indian Journal of Life Sciences</i> Vol4 Issue(1) 2014, 69-76	Impact Factor ISI:1.864 SJIF-6.828	ISSN 2277-1743(P) 2278-7879(O)
24	Partial Characterization and Optimization of Alkaline Amylase Production from <i>Bacillus lehensis</i> Isolated from Akaline Saline Lonar Lake BW32	Vishal Dhundale, R. Nagarkar, Vijayshree Hemke	<i>Int. Journal of Advanced Biotechnology and Research(IJBR)</i> , Vol-5, Issue-4:2014, 731-742	--	ISSN 0976-2612(P), 2278-599X(O)
25	Identification And Characterization of A Human IL-10 Receptor Antagonist	Mumtaz Naiyer, S. Saha, Vijayshree Hemke, Roy, Singh, Krishnasastri, Bhaskar Saha	<i>Human Immunology</i> Volume-74, Issue-1, January 2013, 28-34	Impact Factor 2.477	Elsevier Publications ISSN 0198-8859
26	Venom In A Sting and <i>in Silico</i> Prediction Of Antigenic Determinants Of Venom of <i>Apis Dorsata</i>	Vijayshree Hemke	<i>Journal of Cell and Tissue Research</i> Vol. 13(1),2013: 3479-3484	NASS Impact Factor 4.3	ISSN 0973- 0028

Research Publications

27	Hematological Alterations in Albino Rats after Administration of Honeybee Venom	Vijayshree Hemke And Neha Bhatkar	<i>Journal of Cell and Tissue Research</i> Vol.11(1): 2011 2579-2584	NASS Impact Factor 4.3	ISSN 0974- 0910
----	--	--	--	-------------------------------	------------------------

Research Papers Published in National/ International Conference

Sr. No.	Title	Authors	Journal, Vol. No., Page No., Year	Impact Factor, if any	ISSN/ISBN No.
1	A Preliminary Checklist of Entomo Fauna from Shri Shivaji College Campus Chikhli, Di:Buldhana Maharashtra	Somesh Lodhe, Premraj Ware & Vijayshree Hemke	<i>Gurukul International Multidisciplinary Research Journal</i>	Peer reviewed Int. Impact Factor 8.1	2394-8426
Organizer: Rajshree Shahu Science College, Chandur Railway on 27th March 2025					
2	A Devastating Effect of Insecticide on Wild Pollinators: Current Status	Yogesh Giri and Vijayshree Hemke	Conference Proceeding	---	ISBN No. 978-81-984715-4-3
Organizer: National Conference organized by Rayat's D.P. Bhosale College, Koregaon on 16th April 2025					
3	Biodegradable Sanitary Napkins for Sustainable Menstrual Health in Women: A Review	Sampada Joshi and Vijayshree Hemke	<i>Aayushi International Interdisciplinary Research Journal</i>	Peer Reviewed	ISSN 2349-638x
Organizer: National conference organized by Shri RLT College of Science, Akola on 27th Sept 2024					
4	Checklist of Avifaunal Diversity at Shivaji College, Chikhli. Dist: Buldhana. MS	Vijayshree Hemke & Somesh Lodhe	<i>Int. Journal of Research in Biosciences, Agricultural and Technology</i>	Peer Reviewed	ISSN No. 2347-517X (O)
Organizer: National Conference organized by SSVPS's Lt.Kr.Dr.P.R. Ghogrey Science College, Dhule on 21& 22 Oct 2023					
5	A Study on Breeding and Feeding Behavior of <i>Prinia socialis</i>	Vijayshree Hemke	<i>Int. Education and Research Journal</i> Vol. 9 No.5 (2023)	6.579	ISSN No. 2454-9916 (O)

Research Publications

Organizer: International Conference organized by AKI's Poona College of Arts , Science And Commerce, Pune on 6th May 2023					
6	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)
Organizer: Kamala Nehru College, Nagpur on 8th Jan 2021 National Conference					
7	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
Organizer: Bharti Jain Sanghatana's Arts, Science and Commerce, College, Wagholi, Pune on 22 & 23 Jan 2019 National Conference					
8	Production and Characterization of Metalloenzyme Protease from <i>Bacillus</i> Species.	Vijayshree Hemke and Vishal Dhundale	<i>Int. Journal of Research in Biosciences, Agri & Technology-Issue(2)</i> Vol(V)20 1763-666	UGC listed (till 2/07/2018) Journal No 2658 Title 43906	ISSN 2347-517X
Organizer: Shri Shivaji Science College, Nagpur on 12, 13 & 14th July 2017. National Conference					
9	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
Organizer: BAMU, Aurangabad, Arts Senior College Aurangabad And Katha UK (Britain) On 29th Feb 2016. International Conference					

Articles/Chapters Published in Book

Sr. No.	Title & Page No.	Book Title, Editor & Publisher	ISSN/ISBN No. & Publisher	Authors	Whether Main authors
---------	------------------	--------------------------------	---------------------------	---------	----------------------

Research Publications

1	Importance of Genomics and Techniques to Study Genetic Diversity and Conservation Genetics to Reduce Extinction Risk	Frontiers in Life Sciences: Emerging Trends & Innovations	ISBN No. 978-81-973377-X-X Yet to publish	Dr. Vijayshree Hemke & Ms. Sampada Joshi	IInd Author
2	The Silk Road: A Preliminary Analysis	The infinite path: Research Across Disciplines	ISBN No. 978-9-3-341-7234-8	Dr. Vijayshree Hemke	Main Author
3	Conservation Status Of Tigers And The TATR	Habitats And Biodiversity Conservation	ISBN No. 978-81-977657-9-7	Dr. Vijayshree Hemke	Main Author
4	Habitat Degradation: Causes, Consequences and Conservation Strategies	Habitats And Biodiversity Conservation	ISBN No. 978-81-977657-9-7	Dr. Vijayshree Hemke	IInd author
5	The Noxious Impacts of Plastic on Wildlife	Plastic Explosion	ISBN No. 978-81-967529-1-0	Dr. Vijayshree Hemke	Main Author
6	Plastic Pollution: Threatening our Planet's Future	Plastic Explosion	ISBN No. 978-81-967529-1-0	Dr. Vijayshree Hemke	IInd author
7	Seed Dispersal by Birds: Its Matter for Environment Sustainability Page No. 134	Sustainable Development for Future: “ Insights from agriculture, Health, Aquaculture,	ISBN-13:979-8885218993 Notion Press Vol-I 09th Dec 2021	Dr. Vijayshree Hemke	Main Author
8	Water Conservation - Need of the time Page No. 523	Environment Conservation and Woman and Woman Dignity	ISBN 978-93-91689-18-6 Aruna Publication, Latur	Dr. Vijayshree Hemke	Main Author