



Faculty Profile

Dr. Vijayshree Milind Hemke

MSc, BEd, MPhil, PhD, Post-doc (NCCS, Pune)

Assistant Professor in Zoology

Shri Shivaji Science And Arts College, Chikhli.

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|---------------------------------------|--|
| Subject: | Zoology |
| Area of interest | Biology of Wasps, Pollination Biology, Immunology |
| Mailing Address | Department of Zoology Shri Shivaji Science And Arts College, Chikhli 443201 Di: Buldana |
| Email Address | drvmhemke@gmail.com |
| Contact No. | 9421732680 |
| Research Supervisor in Zoology | SGBAU Part-II- ExtraOrdinaryNotificationNo.33- 2019 Dated 10/04/2019 |
| ORCID | 0000-0003-2019-2604 |
| ResearchGate | https://www.researchgate.net/profile/Vijayshree-Hemke |
| Google Scholar | https://scholar.google.com/citations?user=kzcA08YAAAAJ&hl=en |
| Member | IQAC (Criterion-I) |
| Coordinator | IIRS/ ISRO Outreach Programs |
| Coordinator | Alumni Association (Reg No. MH/227/04/Buldhana/ Dated 18/06/2004) |
| SPOC | SWAYAM-NPTEL Local Chapter |
| Coordinator | NIRF (SSSAC, Chikhli) |
| Program Coordinator | Star College Proposal to submitted to DBT-2022 |
| Coordinator | Virtual Lab (Nodal Center-SSSAC) |
| Coordinator | Add-on course in Sericulture |
| Program Officer (Girls) | NSS |

Educational Qualification

| Sr. No | Degree | University | Year | Subjects | Percentage |
|--------|-------------------------------|---|-------------------------|--|-----------------------------|
| 1 | Post-doc (Research Associate) | National Center for Cell Sciences (NCCS), Pune | 2012 | Indo-Germen Project “Novel Strategies to Combat Leishmaniasis” funded by ICMR in the lab of Dr. Bhaskar Saha (Scientist-G) | Year 2010-2012 |
| 2 | PhD | Shri Shivaji College, Akot, Di: Akola (SGBAU, Amravati) Supervisor: Prof. (Dr.) Neha Bhatkar | Registered in year 2005 | Topic- Immunological Reactions of Bee Venom and <i>in silico</i> prediction of Antigenic Determinants of Their Proteins | Degree awarded in year 2010 |
| 3 | MSc | Amravati University, Amravati | 2002 | Zoology (Spl-Animal Physiology) | 69.50% |

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|--|--|--------------|-------------------|
| Ph. D Guidance | 02 Students (01-CSIR-JRF+ 01 MPET) | | |
| Minor Research Project | 01 -(2015-17) UGC-WRO, Pune 4.5 Lakhs- Successfully Completed | | |
| Reviewer of Journal | 01-Agricultural Science Research Journal, Ghana | | |
| Research Papers Published | International Journals- 24 with good impact factor | | |
| Full length paper in conferences | Total 05 | National- 03 | International -02 |
| Paper Presented in Conferences | Total-21 | National-11 | International-10 |
| Chapters in book | 02 | | |
| Workshops National/ State/ University level | 12 | | |
| Invited Talk & Guest Lectures | 17 | | |
| Newspaper Articles on Environment Conservation | Many-in reputed newspapers | | |
| e-Content Development | Youtube videos 09 | | |

RESEARCH PROFILE

Research Papers published in International journals

| Sr. No | Title | Authors | Journal, Vol. No., Page No. Year | Impact Factor if any | ISSN/ISBN No. |
|--------|---|--|--|---|------------------------------------|
| 1 | 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) |
| 2 | 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) |
| 3 | 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 -19719 NASS Rating 5.25 | ISSN 0970-0420 |
| 4 | 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> 20 (1)2018, 310-315 | UGC Listed 8789 NASS Rating 5.00 | ISSN 0972-3005 |
| 5 | 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 indexing, Web of Science | ISSN 2322-5148(P) 0975-8232(O) |

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|----|---|--|---|--|--------------------------------------|
| 6 | 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 & Francis | ISSN 1553-8362(P) 1553-8621(O) |
| 7 | Improvement and Stable High Bioelectricity Generation Using Alkaliphilic <i>Oceanobacillus iheyensis</i> BSI(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 |
| 8 | 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) |
| 9 | 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 |
| 10 | 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 |

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|----|--|--------------------------------------|---|---|--------------------------------|
| 11 | 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 |
| 12 | 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 |
| 13 | 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 | Scientific Journal Impact Factor (SJIF): 7.446 Embase | ISSN 0975-6299 |
| 14 | 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 | UCG Listed -13357 (SJIF): 7.446 Embase Web of Science | ISSN 0975-6299 |
| 15 | Phylogenetic analysis of <i>Bacilli</i> from haloalkaline Lonar Soda Crater | Vishal Dhundale & Vijayshree Hemke | <i>Int. J. Pharm Bio Sci</i> 6 (4B), 2015, 279-290 | Scientific Journal Impact Factor (SJIF): 7.446 Embase | ISSN 0975-6299 |
| 16 | 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) |

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|----|---|--|--|---|--------------------------------------|
| 17 | Haloalkaliphilic Bacillus flexus 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 Web of Science | ISSN 0975-6299 |
| 18 | Phentic diversity of alkaline protease producing bacteria from alkaliphilic environment. | 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 |
| 19 | Haloalkaliphilic flexus AW(2): Potential for biotechnological Applications | V.R. Dhundale, V. R. More, R. D. Nagarkar, V. M. Hemke | <i>Int Journal of Pharm Bio Sci6 (4B) 2015, 279-290</i> | Scientific Journal Impact Factor (SJIF): 7.446 Embase | ISSN 0975-6299 |
| 20 | Isolation and characterization of a novel amylase from Bacillus pseudofirmes DW4(1) | V. Dhundale, R More, R Nagarkar, V. Hemke, D.Tambekar | <i>Indian Journal of Life Sciences</i> 4(1) 2014, 69-76 | Impact Factor ISI:1.864 SJIF-6.838 | ISSN 2277-1743(P) 2278-7879(O) |
| 21 | Partial Characterization and Optimization of Alkaline Amylase Production from Bacillus lehensis 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) |
| 22 | Identification and characterization of a human IL-10 receptor antagonist | Mumtaz Naiyer, S. Saha, Vijayshree Hemke, Roy, Singh, Krishnasastry, Bhaskar Saha | <i>Human Immunology</i> Volume-74, Issue-1, January 2013, 28-3 | Impact Factor 2.477 | Elsevier Publications ISSN 0198-8859 |
| 23 | Venom in a sting and in silico prediction of antigenic Determinants of venom of Apis dorsata | Vijayshree Hemke | <i>Journal of Cell and Tissue Research</i> Vol. 13(1),2013: 3479-3484 | NASS Impact Factor 4.3 | ISSN 0973- 0028 |

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|----|---|-----------------------------------|---|------------------------|--------------------|
| 24 | Hematological alterations in albino rats after administration of honeybee venom | Vijayshree Hemke And Neha Bhatkar | Journal of Cell and Tissue Research 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 | Present status and impact of insecticide on honey bees in India: a review | Vijayshree Hemke & Yogesh Giri | Int. J. of Research in Bioscience & Agricultural Technology Vol-1 Issue-3,2022 page 99-102 | | ISSN No. 2347-517X (O) |
| Organizer: VMS Research Foundation and RFRF on 19 & 20 June 2022 | | | | | |
| 2 | 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 | | | | | |
| 3 | 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 | | | | | |
| 4 | Production and Characterization of metalloenzyme protease from bacillus species. | Vijayshree Hemke and Vishal Dhundale | Int. Journal of Research in Biosciences, Agri & Technology-Issue(2) 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 | | | | | |

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| 5 | 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, Challenges 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 |
|---------|--|---|--|-----------------|----------------------|
| 1 | Seed Dispersal by Birds: Its Matter for Environment Sustainability Page No. 134 | Sustainable Development for Future: “ Insights from agriculture, Health, Aquaculture, Energy, Education and Environment | ISBN-13:979-8885218993 Notion Press Vol-I 09 th Dec 2021 | Dr. V. M. Hemke | Yes |
| 2 | 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. V. M. Hemke | Yes |

| Name | Name of Journal | ISSN | Role |
|-------------------------|---------------------------------------|-----------|-----------------|
| Dr. Vijayshree M. Hemke | Agricultural Science Research Journal | 2026-6073 | Reviewer |

Google Scholar Profile

All
Citations **72**
h-index **5**
i10-index **2**

ResearchGate reads- **4403**

**Participated and presented paper/poster in
International/National Conferences**

| Sr. No. | Period | Title of the Paper presented | Title of Conference / Seminar | Organized by | Level |
|---------|------------------------|---|--|---|---------------|
| 1 | 09 Nov 2022 | The Insect Pollinators Species on Safflower crop (<i>Carthamus tinctorius L.</i>) at Latur District of Maharashtra, India | Innovative Trends in Biological Research | D.P. Bhosale College, Koregaon D: Satara | National |
| 2 | 19-20 June 2022 | The Insect Pollinators Species on Sesame Crop (<i>Sesamum Indicum L.</i>) at Nanded District of Maharashtra, India. | Science And Technology for Society | VMS Foundation & RFRF Nagpur | International |
| 3 | 29-31 March 2-21 | Comparitive <i>in silico</i> study of Phospholipase-A2 from venom of four major indian snake species | Emerging Trends in Science And Technology | Vedanta PG Girls' College, Sikar Rajasthan | International |
| 4 | 18 Dec 2021 | Participated | Emerging Trends in Life Sciences | Sant Ramdas ASC College, Ghansawangi. | National |
| 5 | 30 May 2020 | Poster- Advantages & disadvantages of online education | Health Hygiene and Higher Education (HHH-2020) | Rawool Maharaj, Mahavidyalaya, Kudal Dist: Sindhudurg. MS/Uni of Mumbai/UGC | International |
| 6 | 13, 14 & 15 April 2020 | Poster- Prevention is better than cure- Covid-19 | Nanobio-20 II nd Twitter-Conference | New College & Botany Deptt. Shivaji University Kolhapur | International |

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|----|--------------------------|---|---|---|--|
| 7 | 15 & 16 May 2020 | Notes on Nesting and Feeding behavior of <i>Prinia socialis</i> | Web conference on Science, Engineering & Technology-2020 | Society for technologically Advanced materials of India, | International |
| 8 | 17 & 18 Aug 2020 | Energy is at the Center for sustainable development | Role of Science and Technology in Sustainable Development | D. Bindu ASC College, Bhokar Di: Nanded | International |
| 9 | 22 Feb 2020 | Nesting behavior of <i>Cinnyris asiaticus</i> | Recent Trends In Applied Zoology | Kisan veer Mahavidyalaya, Wai | National |
| 10 | 23-24 Dec 2019 | Comparison of Phospholipase-A2 from honeybee | Emerging Trans- Disciplinary Approaches in Bio- Sciences-2019 | Deogiri College, Aurangabad | National |
| 11 | 22 & 23 Feb 2019 | Role of ICT in Teaching And Learning of Zoology | The Role of Technology in Sustainable Development | BJS ASC, College, Wagholi, Pune | International |
| 12 | 15 & 16 Feb 2019 | Avain Fauna in and around Chikhli Region Di: Buldana, MS | New frontiers in Environmental & Allied Sciences | Prof. Ramkrushna More ASC, Collge, Aakurdi, Pune | International |
| 13 | 05 & 06 Jan 2018 | Production and characterization of a novel biosurfactant produced from <i>Pseudomonas aeruginosa</i> SJS-5 | Multidisciplinary Approaches in Life Sciences: Research and Applications for Sustainable Development | Yashwantrao Chavan Institute of Science, Satara | National |
| 14 | 8, 9 & 10 Dec 2017 | Evaluation of Electricity generation by Microbial Fuel Cell from hypersaline Indian soda lake | 87 th Annual Session of the Academy(NASI) | Savitribai Phule Pune University, Pune | The National Academy of Sciences, India |

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|----|-------------------|--|---|--|---------------|
| 15 | 20 & 21 Feb 2015 | <i>In Silico</i> Study of Honeybee Venom Against Rheumatoid Arthritis | Dynamic Microbes: Role in Human Welfare | Modern College of Arts, Science & Commerce, Pune- 05 | National |
| 16 | 26 & 27 Feb 2015 | Diversity of Alkaline Protease Producing Bacteria from Alkaliphilic Environment | Applications of Advance Technology for Enhancing Quality of Science Education | Modern College of Arts, Science & Commerce, Pune-05 | International |
| 17 | 22 To 24 Jan 2015 | Diversity of honeybee venom | International Conference on Biodiversity | Arts, Commerce & Science College, Nandgaon, Nasik | International |
| 18 | 19 & 20 Jan 2014 | <i>in silico</i> Prediction of antigenic determinants of venom of <i>Apis dorsata</i> | Recent Advances in Environmental Sciences | Late Karmveer Dr. P R Ghogrey Science College, Dhule | National |
| 19 | 6-7 Oct 2014 | Isolation and characterization of lipase from <i>bacillus flexus</i> aw3 (2) | National conference on Recent Advances and applications of Taxonomy in life sciences | Yashwantrao Chavan Institute of Science, Satara | National |
| 20 | 06 & 07 Dec 2013 | Screening of antimicrobial potentials of haloalkaliphilic <i>Bacillus flexus</i> from Lonar lake | Animal biodiversity & Recent Trends in Zoological Research | G B Patel Science College, Shahada. Di: Nandurbar | National |
| 21 | 08 & 09 Sep 2012. | Innovative Research Trends in Biological Science | Studies on physiological, pathological and limnological conditions of water collected from Yelgaon dam, Buldana | Shri Shivaji Science College, Akola. | National |
| 22 | 27 & 28 July 2012 | Recent Trends in Biosciences | Bacteriological analysis of some selected fishes found in Yelgaon dam MS | GS Science, Arts, & Commerce College, Khamgaon | National |

Participated in Workshops (National/State/University level)

| Sr. No | Period | Title of Seminar/Workshop | Organized by | Level |
|--------|------------------------------|--|---|----------|
| 1 | 21 March 2022 | Reforms of National Assessment and Accreditation Process | Shri Shivaji Ed. Society | National |
| 2 | 20 May 2021 | Bee Keeping: Golden Path of Career | Karmveer Hire ASC and Edu. College, Bhudargad, Kolhapur | National |
| 3 | 22 nd May 2020 | Role of IQAC in Assessment and Accreditation Process | SIP Arts, Science & Commerce College, Shahada Di: Nandurbar/ RUSA/ JD Jalgaon | National |
| 4 | 7 th Sept 2018 | Intellectual Property Rights | Government College of Arts & Science Aurangabad | State |
| 5 | 11 th March 2019 | Unnat Bharat Abhiyan | Model Degree College, Buldana | State |
| 6 | 10 th August 2019 | Career Opportunities in Green Education | Shankarlal Khandelwal ASC, College, Akola Divisional Forest Office, Akola | State |
| 7 | 01 st June 2019 | Art of Thesis Writing | Modern College of Arts, Science & Commerce, Pune | State |
| 8 | 25 th July 2019 | NAAC sponsored Revised NAAC Framework & E-Documentation | Shri Dnyaneshwar Burungale Science & Arts College, Shegaon | State |
| 9 | 28 th Feb 2020 | IPR | MSI, Arts & Science College, Pulgaon, YC ASC, Lakhandur, Bhandara | National |
| 10 | 17 th July 2019 | New AQAR Guidelines | Haribhai V. Desai ASC, College, Pune | State |
| 11 | 08 th Feb 2020 | Participation | २० वे विदर्भ पक्षिमित्र संमेलन लोणार | Vidarbh |

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|----|---------------------------|---|-------------------------------|------------|
| 12 | 24 th Feb 2014 | Hands on Training in Plant Tissue Culture | Shri Shivaji College, Chikhli | University |
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Invited Lectures & Session Chairmanship:

| Sr. No. | Title | Academic Session | Event | Level | Date | Organizer |
|---------|---|------------------|--|----------------|---|---|
| 1 | Co-chairperson | 2021-22 | Conference at Goa | Inter-national | 19 th & 20 th June 2022 | VMS Research Foundation & RFRF, Nagpur |
| 2 | Air Pollution in Industrial Area and Precautions | 2021-22 | Lecture delivered Offline/ Physical | Industry | 7th June 2022 | Harshal Industries, Bhosari, Pune |
| 3 | Wildlife Act 1972 | 2021-22 | Lecture delivered Offline/ Physical | Regional | 27 th March 2022 | NSS Camp of SSSAC |
| 4 | Wildlife Conservation Strategy | 2021-22 | Panelist video conferencing | National | 29 July 201 | Rajshree Shahu Science College, Chandur Rly. |
| 5 | Nerve Conduction | 2020-21 | Lecture delivered via video conferencing | Regional | 31 st May 2021 | LB S Gawande College, Sakharkherda |
| 6 | Water conservation: Need of the time | 2020-21 | Lecture delivered via video conferencing | National | 5 th Dec 2020 | Golden Jubilee Celebration of Kumarswami Mahavidyalaya, Ausa. |
| 7 | Wildlife Conservation with reference to Project Tiger of Govt. of India | 2020-21 | Lecture delivered via video conferencing | National | 7 th Oct 2020 | Wildlife Week celebration at Vyanktesh Mahavidyalaya, Deulgaon Raja |

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|----|--|---------|--|---------------|--|--|
| 8 | Avifaunal diversity of Maharashtra State | 2019-20 | Lecture delivered via video conferencing | National | 6 th May 2020. | Annasahab Magar Mahavidyalya Hadapsar Pune. |
| 9 | Referee for state level poster competition | 2019-20 | Referee | State | 12 th March 2020 | Shri Shivaji Science And Arts College, Chikhli. |
| 10 | Environment conservation | 2019-20 | Invited Guest | Industry | 07 th Nov. 2019 | Thermax Ltd, Shivajinagar, Pune |
| 11 | Yes! We are Healthy! | 2019-20 | Invited Guest | College | 29 th Aug 2019 | Shri Shivaji Jr. College, Chikhli. |
| 12 | Rapporteur | 2019-20 | Invited Guest | State | 10 th Aug 2019 | SKASC, Akola, Divisional Forest Office, Akola |
| 13 | Physiology of Thyroid Hormones in Pregnancy | 208-19 | Invited Guest | Hospital | 23 rd Nov 2018 | Ruby Hall Clinic, Pune |
| 14 | How to study birds around and need of their conservation | 2017-18 | Invited Guest | College | 28 th Feb 2018 | National Science Day Shri Shivaji Junior College, Chikhli. |
| 15 | Resource person For workshop on IPR | 2017-18 | Resource person | Regional | 10 th April 2018 | Shri Shivaji Science And Arts College, Chikhli |
| 16 | Birds of Dnyanganaga Sanctuary | 2017-18 | Invited Guest | Regional | 14 th Nov 2017 | पक्षीसप्ताह (5 Nov to 12 Nov) Shri Shivaji High school Buldhana. |
| 17 | Jury for technical session in International Conference | 2017-18 | Invited Guest | International | 12 th , 13 th & 14 th July 2017 | Shri Shivaji Science College, Nagpur |

Year wise Research Guidance

| Sr. No. | Year | Name of student | Degree (MPhil/PhD) | No. of Students | | |
|---------|---------|--|--------------------|-----------------|---------|-----------|
| | | | | Enrolled | Awarded | Submitted |
| 1 | 2019-20 | Ms. Diksha D Salve MSc-Zoo, MPET | PhD | Enrolled | ----- | ---- |
| 2 | 2020-21 | Mr. Yogesh V Giri MSc- Biotech, MSc-Zoo and CSIR-JRF | PhD | Enrolled | ----- | ---- |

Research Projects: Minor

| Sr. No. | Title | Major/ Minor | Funding Agency | Period | Amount Sanctioned | Sanctioned Letter | Status |
|---------|--|--------------|--------------------|---------|-------------------|--------------------------|-----------|
| 1 | Optimization And Production of a Commercially Viable Alkaline Protease from Haloalkaliphiles | Minor | UGC WRO Pune | 2015-17 | 4,50,000 | File No. 47-927/14 (WRO) | Completed |

Research Award:

Awarded with Eminent Researcher Award by Mindaura LLC, USA at an International Conference at Goa on 19 June 2022



**Training Courses, Teaching-Learning-Evaluation Technology Program,
Faculty Development Programs (not less than one week duration)**

| Sr. No. | Program | Duration | Organized By |
|----------------|--|--------------------------------|---|
| 1 | Refresher Course in Life Sciences | 10/11/2021 to 26/11/2021 | Sant Gadge Baba Amravati University, Amravati |
| 2. | NPTEL Online Certification Course on "Wildlife Ecology" | 12 Weeks course (Aug-Oct 2021) | IIT, Kharagpur, MHRD, Government of India |
| 3. | FDP on G Suit and allied tools in Education, Teaching & e-Content Development | 29/06/20 to 04/07/2020 | Deptt. of Comp. Sci. SGBAU, Amravati Online mode |
| 4 | Workshop on "Open Source Tools for Research" | 08/06/20 to 14/06/2020 | Ramanujan College Delhi University, Delhi organized by MHRD, PMMMNMTT |
| 5 | FDP On Managing Online Classes And Co-Creating MocoS | 18 /04/20 to 06 /05/2020 | Ramanujan College Delhi University, Delhi organized by MHRD, PMMMNMTT |
| 6 | Workshop on "Comprehensive e-Learning to e-Training guide for Administrative Work" | 25/05/20 to 05/06/2020 | Ramanujan College Delhi University, Delhi organized by MHRD, PMMMNMTT |
| 7 | FDP on Basics of Organic Farming | 17/05/20 to 23/05/2020 | (Autonomous) Athalye-Sapre-Pitre College, Devrukh Online mode |
| 8 | FDP on e-Content Development- "Animation" | 14/05/20 to 18/05/2020 | Universal Teachers Academy, Puducherry Online mode |
| 9 | Global Initiative of Academic Network-GIAN | 18/02/19 to 22/02/2019 | Savitribai Phule Pune University, Pune |
| 10 | Refresher Course in Environment Science | 22/11/18 to 12/12/18 | Department of Environment Science SPPU, Pune |
| 11 | Orientation Program | 07/11/16 to 03/12/2016 | Sant Gadge Baba Amravati University, Amravati |
| 12 | Refresher Course in Life Sciences | 07/01/2015 to 27/01/2015 | Department of Zoology SPPU, Pune |

Events Organized

| Sr. No. | Events | Level | Date | Position |
|---------|---|------------|---|----------------------|
| 1 | Workshop on Training of eBird App | College | 19 Nov 22 | Organizing Secretary |
| 2 | <p>Five Lectures Series on the theme “Environment Education” in the Memory of Late Prof. G N Vankhede Sir</p> <p>Resource Persons</p> <p>1 Dr. G A Wagh 2 Dr. Jayant Wadatkar 3 Dr. Manjusha Wath 4 Dr. Shrikant Warhekar 5 Shri Kiran More</p> | State | 12 Aug, 17 Aug, 27 Aug, 18 Sept, 21 Sept 2021 | Organizing Secretary |
| 3 | Wildlife Week-2021 Invited Talk of Dr. Milind Shirbhate Asso. Prof. in Zoo, Akola & Shri Kishor Padol-RFO, Khamgaon | University | 06 Oct 08 Oct 2021 | Organizing Secretary |
| 4 | <p>National Webinar on Life Sciences</p> <p>Resource Persons</p> <p>1. Dr. Satish Kale Join Replacement Surgeon. Lokmanya Hospitals, Pune. 2. Dr. Raju Kasambe Assistant Director, BNHS. Mumbai</p> | National | 28 July 2020 | Organizing Secretary |
| 5 | <p>A workshop on ‘Cyber Crime and Securities’</p> <p>Resource Person-Pravin Sonawane PSI and In-Charge of Cyber Cell, Police Station Chikhli.</p> | University | 16 Sept 2019 | Organizing Secretary |
| 6 | <p>Two days state level workshop on e-content development</p> <p>Resource Persons- Bhushan Kulkarni & Eknath Kore. KnowledgeBridge Foundation Ahemadnagar.</p> | State | 03-04 Oct 2018 | Organizing Secretary |

Membership

- ✓ Life member of महाराष्ट्र पक्षीमित्र संघटना, Membership No. 995
- ✓ Life member of Indian Science Congress Association (ISCA), Membership No. L12946.
- ✓ Life member of Nagpur University Teachers' Association.

Additional Responsibilities held

- ✓ Worked as a In-Charge (Head) for Self-Finance Microbiology Department (BSc-Micro) from 09/11/2012 to 20/06/2018 at Jijamata Mahavidyalaya, Buldana
- ✓ Worked as In-Charge (Head) for Aided Botany Department (BSc-Bot) from 01/12/2017 to 20/06/2018 at Jijamata Mahavidyalaya, Buldana
- ✓ Worked as NSS Program Officer (Girls) at Jijamata Mahavidyalaya, Buldana.

e-Content development- Youtube Video links

| Sr. No. | Name | link |
|---------|-------------------------------|---|
| 1 | Pituitary Gland | https://youtube.be/X8cT3cpD1UY |
| 2 | Evolution of Man | https://youtube.be/qkzw0IWzyV8 |
| 3 | Hardy-Weinberg Equilibrium | https://youtu.be/IESOhx1WtwA |
| 4 | Protein Synthesis | https://youtu.be/oEjhlB-Qli8 |
| 5 | Hormonal Disorders | https://youtu.be/yHWIKua6BiI |
| 6 | Life cycle of Ashy Prinia | https://youtu.be/X2KJJQvh16w |
| 7 | Bird diversity of Maharashtra | https://youtu.be/ciNsJyzqLUg |
| 8 | Gene Interaction | https://youtu.be/t4GzcktNECw |
| 9 | Mitosis | https://youtu.be/GJ3YdjDZLpw |

Glimpses of Newspaper Articles

Regularly writing newspaper articles to raise awareness for the conservation of wildlife in reputed newspapers like सकाळ, अग्रोवन, पुण्यनगरी, दिव्यमराठी, जनमाध्यम, लोकमत, देशोन्नती and each article was published in 4-5 newspapers.

राखावा ओझोन, अजुनी अंबरात!

पृथ्वीवरील सर्व जीवितेच ओझोनच्या थरावरच जिवंत राहतात. हे थर १०-१५ किलोमीटर जाडीचा असतो. या थरातून सूर्यकिरणे येतात. या थरातून सूर्यकिरणे येतात. या थरातून सूर्यकिरणे येतात.

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बुलडाणा

मनुष्य जीवनात पक्ष्यांचे अविभाज्य महत्त्व

प्रा. डॉ. विजयश्री हेमके : ५ ते १२ नोव्हेंबर पक्षीसप्ताह

पक्षीसप्ताह विशेष

अवकाश : १२ नोव्हेंबर बुधवार

बुलडाणा, ता. ३। मनुष्यजीवनात जीवनात पक्ष्यांचे अविभाज्य महत्त्व आहे. भारतामध्ये पक्ष्यांचे पारंपारिक महत्त्व आहे. भारतामध्ये पक्ष्यांचे पारंपारिक महत्त्व आहे. भारतामध्ये पक्ष्यांचे पारंपारिक महत्त्व आहे.

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बुलडाणा : आपल्या सौंदर्याची सहाय्य करणारी पक्ष्यांची सहाय्य.

सृष्टीचे वैभव- पक्षी

पक्ष्यांचे महत्त्व आहे. पक्ष्यांचे महत्त्व आहे. पक्ष्यांचे महत्त्व आहे. पक्ष्यांचे महत्त्व आहे. पक्ष्यांचे महत्त्व आहे.

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जादुई दुनिया फुलपाखरांची!

फुलपाखरांची जादुई दुनिया. फुलपाखरांची जादुई दुनिया. फुलपाखरांची जादुई दुनिया. फुलपाखरांची जादुई दुनिया.

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