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Designation

Associate Professor

Name of the department

Zoology

Qualification

M.Sc., Ph. D., F.A.Z.I.

Year	Research Paper International Journal	Research Paper National Journal	Book Publish/ Chapter	Patent Publish / IPR	Resource Person	Conferences/ Seminars/ Workshop organized / attended
2014	-	-	-	-	-	01- Regional Conf.
2015	-	-	-	-	-	02-State Workshop
2016	-	-	-	-	-	05-State Conf. 01- Regional 02- Nat. Conf
2017	2	-	-	-	-	03- Nat. Conf.
2018	2	-	-	-	-	01- State Level Seminar Organised 03- State Seminar 01- Uni. Workshop
2019	2	-	-	-	-	01- State Level Workshop Organised 01- State Sem. 01- State Conf. 01-State Workshop

						01- Uni. Works hop 01-Nat. Conf. 01-Int. Nat. Con.
2020	1	-	-	-	-	01- State Level Conference Organised 01- State Conf. 01- Int. Conf.
2021	1	-	01- International	-	-	
2022	-	-		-	-	
2023	-	-		-	-	01- Int. Nat. Conf.

Orientation / Refresher / Short Term course / Faculty Development Programme (FDP):

Sr. No.	Academic Courses	From	To	Subject	A.S. C.
1	Orientation Course	02/06/2011	29/06/2011	87th Orientation	UGC-ASC, Dr. B.A.M.U., Aurangabad-4
2	Refresher Course	01/01/2013	22/01/2013	Research Methodology	UGC-ASC, Dr. B.A.M.U., Aurangabad-4
3	Faculty Development Programme	19/01/2015	25/01/2015	Train the Trainers - Soft Skills	UGC-ASC, SavitribaiPhule Pune University, Pune
4	Refresher Course	17/11/2015	08/12/2015	Biology	UGC-HRDC, Dr. B.A.M.U., Aurangabad-4
5	Special Summer School Programme	22/05/2017	10/06/2017	Special Summer School Programme	UGC-HRDC, Dr. B.A.M.U., Aurangabad-4
6	Faculty Development Program	21/05/2020	30/05/2020	Effective ways to develop E-content for teaching - learning	UGC-HRDC, SPP University, Pune & KTHM College Nashik
7	10 Days e-Content Development Online Certificate Course	22/04/2020	31/04/2020	Online Certificate Course on e-Content Development	Dr. Vishwanath Bite
8	One Week Online	13/05/2020	18/05/2020	"Effective Proposal	Sandip Foundation's

	Faculty Development Programme			Writing for Research and Funding”	Sandip Institute of Technology & Research Centre, Nashik.
9	07 -Days Short Term Online Course	18/05/2020	24/05/2020	COVID-19 Awareness: Short Term Online Course	M.J.B. Government P.G. Girls College MotiTabella, Indore, M.P.
10	08- Days Online International FDP	12/05/2021	18/05/2021	Online Teaching Metrics	SRM Institute of Science & Technology, College of Science & Humanities, Ramapuram, Chennai.
11	05 -Days Online Short Term FDP	21/09/2021	25/09/2021	Setting up Startup, Innovation Cell	Faculty Development Centre, UGC-HRDC, SPP University, Pune
12	Online Refresher Course	01/08/2022	17/08/2022	E-Governance & E-Learning	UGC-HRDC, Dr. B.A.M.U., Aurangabad-4

Administrative Experience

1. Head of Department: 10 yrs
2. Coordinator Criterion –III: 03 yrs
3. Coordinator Criterion –VII: 01 yr
4. Coordinator DMLT Diploma Course: 04 yrs

Representation on Academic / Administrative bodies / Member of organizational bodies.

Consultant for Apiary	Madhuvatika Patil Bee Farm &Gauri Natural Foods, Latur.	-	10-06-2017
Consultant for Laboratory	Nishkarsh Clinical Laboratory, Manmad.	-	15-06-2018
Fellowship - Association of Zoologists, India.	Association of Zoologists, India.	National	22.01.2019
Consultant for Apiary	Madhuvatika Patil Bee Farm &Gauri Natural Foods, Latur.	-	20.06.2021 To 19.06.2023
Life member	The Indian Science Congress Association	National	

Teaching Experience: 15 yrs UG/PG

Awards / Recognitions

Fellowship - Association of Zoologists, India.	Association of Zoologists, India.	National	22.01.2019
Letter of Appreciation	Central Sericultural Research & Training Institute Research Extension Centre Central Silk Board & Ministry Of Textile Govt. Of India, Aurangabad (MS)	National	31-03-2019
Best Scientist Award - 2019	Society for Science & Technology, Naldurg.	National	05-06-2020
Consultant for Apiary	Madhuvatika Patil Bee Farm & Gauri Natural Foods, Latur.	-	20.06.2021 To 19.06.2023
Life member	The Indian Science Congress Association	National	

Research Guidance for M.Phil./Ph.D./Project:

1. Ph.D. Students : 02 in process
2. M.Sc.-II students: 10
3. T.Y. B.Sc. Students: 25

Reviewer of Journals-**A research paper published / presented: 13**

1. K. B. Shejule, P. S. Kharat and **R. S. Kale** (2006): Toxicity of Organotin Tributyltin Chloride to freshwater prawn, *Macrobrachium kistnensis*. *Aquacult*, Vol.7 (1): 141-144.
2. **R. S. Kale**, K. B. Shejule, P. S. Kharat and A. K. Sonawane (2008): Induced ovarian maturation by 17 α - Hydroxy progesterone in freshwater crab, *Barytelphusa cucicularis*. *Journal of Aquatic Biology*, Vol. 23(2): 109-112.
3. **R. S. Kale**, K. B. Shejule, P. S. Kharat and A. K. Sonawane (2008): Study of Induced ovarian maturation by hormone and eyestalk ablation in freshwater crab, *Barytelphusa cucicularis*. *Aquacult*, Vol. 9(2): 211-215.
4. P.S. Kharat, Laxmi B. Ghoble, K.B. Shejule, **R.S. Kale** and B.C. Ghoble(2009): Impact of TBTCI on Total Protein Content in Freshwater Prawn, *Macrobrachium kistnensis*. *Middle-East Journal of Scientific Research*, 4 (3): 180-184.
5. **R.S. Kale**, K.B. Shejule and A.K. Sonawane (2011): Hormone induced biochemical changes in the ovary and hepatopancreas in freshwater crabs, *Barytelphusa cucicularis*. *An international Journal of Life science "The Bioscan"*, Vol.6 (2): 199-201.
6. **Kale RS, (2017)**. Effect of β - estradiol hormone and eye stalk ablation on ovarian maturation in fresh water crab, *Barytelphusa cucicularis*, *Bioscience Discovery*, **8**(2):140-145.
7. **Kale RS, (2017)**. Influence of β - estradiol hormone and eyestalk ablation on Protein Metabolism in fresh water crab, *Barytelphusa cucicularis*. *Bioscience Discovery*, **8**(3):602-607.

8. **R. S. Kale** , (2018). Annual Reproductive Cycle of fresh water Edible Female crab, *Barytelphusa cunicularis*. *Ajanta*, 7(3): 7-14.
9. **R. S. Kale**. (2018). Effects of Pesticides on Fresh Water Fish *Catla catla* collected from Koradi Dam of Buldana District (M.S.) *Ajanta*, 7(4): 119-123.
10. A.K. Sonawane and **R.S. Kale**, (2018-2019). Study of Reproductive Biology of the freshwater female Prawn, *Macrobrachium rosenbergii* in relation to the variations in the Gonadosomatic & Hepatosomatic Indices.. *Galaxy Link*, Vol.(7) Issue-1: 22-29. *An International Multidisciplinary Half Yearly Research Journal*.
11. **Kale RS, 2019**. Impact of 17 α -Hydroxy-progesterone and eyestalk ablation on ovarian maturation in relation to protein changes in the ovary and hepatopancreasin fresh water crab, *Barytelphusa cunicularis*, *Biosc. Biotech. Res .Comm. Vol.12(4): 945-952*.
12. **R. S. Kale, 2020**. Influence of β -estradiol hormone and eyestalk ablation on lipid metabolism in ovary and hepatopancreas of fresh water crab, *Barytelphusa cunicularis*. *Uttar Pradesh Journal of zoology*,41(5): 1-6.
13. R.H. Rawal & **R.S. Kale** (2021). Physico-chemical Study of Narmada River at Khalghat, District - Dhar (M.P.) with special reference to pollution status. **International Journal of All Research Education and Scientific Methods (IJARESM)**, ISSN: 2455-6211 Vol. 9(2): 832-837, Impact Factor: 7.429, Available online at: www.ijaresm.com

Books published / chapter in a book:

01 Book Published in International Publication

tion / Refresher / Short Term course / Faculty Development Program me (FDP):

Sr. No.	Course	Title	Organizer	Duration- From	To
1	Orientation Course	87th Orientation	UGC-ASC, Dr. B.A.M.U., Aurangabad-4	02/06/2011	29/06/2011
2	Refresher Course	Research Methodology	UGC-ASC, Dr. B.A.M.U., Aurangabad-4	01/01/2013	22/01/2013
3	Faculty Development Programme	Train the Trainers - Soft Skills	UGC-ASC, SavitribaiPhule Pune University, Pune	19/01/2015	25/01/2015
4	Refresher Course	Biology	UGC-HRDC, Dr. B.A.M.U., Aurangabad-4	17/11/2015	08/12/2015
5	Special Summer School Programme	Special Summer School Programme	UGC-HRDC, Dr. B.A.M.U., Aurangabad-4	22/05/2017	10/06/2017
6	Faculty Development Program	Effective ways to develop E-content for	UGC-HRDC, SPP University,	21/05/2020	30/05/2020

		teaching - learning	Pune & KTHM College Nashik		
7	10 Days e-Content Development Online Certificate Course	Online Certificate Course on e-Content Development	Dr. Vishwanath Bite	22/04/2020	31/04/2020
8	One Week Online Faculty Development Programme	“Effective Proposal Writing for Research and Funding”	Sandip Foundation’s Sandip Institute of Technology & Research Centre, Nashik.	13/05/2020	18/05/2020
9	07 -Days Short Term Online Course	COVID-19 Awareness: Short Term Online Course	M.J.B. Government P.G. Girls College MotiTabella, Indore, M.P.	18/05/2020	24/05/2020
10	08- Days Online International FDP	Online Teaching Metrics	SRM Institute of Science & Technology, College of Science & Humanities, Ramapuram, Chennai.	12/05/2021	18/05/2021
11	05 -Days Online Short Term FDP	Setting up Startup, Innovation Cell	Faculty Development Centre, UGC-HRDC, SPP University, Pune	21/09/2021	25/09/2021
12	Online Refresher Course	E- Governance & E- Learning	UGC-HRDC, Dr. B.A.M.U., Aurangabad-4	01/08/2022	17/08/2022

Conferences/Seminars/ Workshop organized / attended

Sr. No.	Level	Title of the conference	Organizer	Year
1	National Seminar	“Modern Concepts in Animal Biodiversity And Biotechnology”	Department of Zoology, Milind College Of Science, Nagenvana, Aurangabad (M.S.)	2008
2	National Seminar	Modern Trends for Nature Conservation	Department of Zoology, Balbhim Arts, Science and Commerce College, Beed (M.S.)	2008
3	International conference	Technologies for Mitigation of Environmental	Department of Zoology, Dr. BabasahebAmbedkarMarathwada	2008

		Pollution and their Applications in Conservation of Aquatic Ecosystem”	University, Aurangabad (M.S.) India.	
4	National Conference	“Present Scenario of Environmental Pollution and its Effect on living organisms”	Department Of Zoology, Govt. College of Arts and Science, Aurangabad (M.S.)	2009
5	State Level seminar	Biodiversity and its Conservation”	Department of Botany, L.V.H. Mahavidyalaya, Panchavati, Nashik-3	2010
6	State Level seminar	“Integrated Pest Management”	Department of Zoology, Arts, Commerce and Science College, Lasalgaon	2010
7	State Level seminar	Critical Concepts in Electrochemistry”	Department of Chemistry, Arts, Commerce and Science College, Manmad (Nashik)	2012
8	State Level seminar	“Natural Resources, Development and Environment”	Department of Zoology, Arts, Commerce and Science College, Manmad (Nashik)	2012
9	State Level seminar	“Environment & Climate Change & Its Impact on Biodiversity”	Department of Zoology, Mrs. K.S.K. College, Beed	2012
10	State Level seminar	Department of Zoology, Mrs. K.S.K. College, Beed	Department of Zoology, K.J. Somaiya College, Kopargaon. Dist. Ahmednagar	2012
11	National Level seminar	Recent trends in Research on Faunistic Biodiversity and Life Processes for Sustainable Livelihood.	Department of Zoology, LalBahadurShastri Sr. College, Partur	2012
12	Regional Research Conference	INNOVATION-2013	(BCUD) University of Pune, At Ahmednagar College, Ahmednagar	2013
13	State Level Seminar	Awareness, Motivation and Technology Transfer for Development of Beekeeping in rural areas	Department of Zoology, M.S.G. College, Malegaon, Dist. Nashik	2013
14	Regional Research Conference	INNOVATION-2014	(BCUD) University of Pune, Pune, held at BaburaojiGholap College Sangvi, Pune	2014
15	State Level Workshop	Different Biochemical Techniques	Department of Zoology, L. V. H. College, Panchvati, Nashik	2015

16	State Level Workshop	Poultry Diseases and Management	Department of Zoology, KarmveerRamraojiAher, Arts, Science & Commerce College, Deola (Nashik)	2015
17	State Level Conference	Contemporary Catastrophe of Environment and Potential of Bio-resources to ease the Challenges	Department of Zoology, K.J. Somaiya College of Arts, Commerce & Science, Kopergaon Dist. Ahmednagar	2016
18	State Level Conference	Emerging Trends in Natural and Environmental Science	Department of Botany, Zoology and Chemistry, Arts, Commerce and Science College, Manmad (Nashik)	2016
19	National Conference	Academic Reforms in Higher Education in the Subjects of Commerce and Economics in the Global Scenario	Department of Commerce and Economics, Arts, Commerce and Science College, Manmad (Nashik)	2016
20	State Level Conference	Global Atmospheric Change	Department of Botany and Zoology, Arts, Commerce and Science College, Manmad (Nashik)	2016
21	UGC sponsored Conference	Research Methodology in Social Sciences	Department of Economics, KarmaveerRamraojiAher, Arts, Science and Commerce College Deola, Nashik	2016
22	State Level Seminar	Impact of Bharat Ratna Dr. B.R. Ambedkar's Thoughts on Indian Economy	Department of Economics, Arts, Science & Commerce College Manmad, Nashik	2016
23	National Level Conference	Current Trends in Life Sciences for Rural Empowerment	Department of Botany & Zoology, RajarshiShahu Arts, Commerce & Science College PathardiTq. Phulambri, Aurangabad	2017
24	National Level Conference	Current Trends in Life Sciences for Rural Empowerment	Department of Botany & Zoology, RajarshiShahu Arts, Commerce & Science College PathardiTq. Phulambri, Aurangabad	2017
25	State Level Seminar	Biodiversity: Importance and Conservation	Department of Zoology, Arts, Science & Commerce College Surgana, Nashik	2018
26	State Level Seminar	Emerging Trends and Challenges in Life sciences: A Biotechnological Approach	Department of Zoology & Botany, Arts, Science & Commerce College Manmad, Tal. Nadgaon, Nashik	2018
27	State Level Seminar	Advances in Environmental Sciences	Department of Zoology, Arts, Science & Commerce College Nampur, Tal. Baglan, Nashik	2018

28	University Level one day workshop	Academic Research Coordinators(ARC)	Environmental Science Department, SavitribaiPhule Pune University, Pune	2018
29	State Level Seminar	Waste Management Strategies: Reduce, Reuse and Recycle	Department of Botany, Arts, Science & Commerce College Surgana, Nashik	2019
30	State Level Conference	Advances in Life Sciences for Sustainable Development	Department of Zoology, DadapatilRajale Arts, Science & Commerce College Adinathnagar, Tal. Pathardi, Dist. Ahmednagar	2019
31	State Level Workshop	Sericulture	Department of Zoology& Botany, Arts, Science & Commerce College Manmad, Tal. Nadgaon, Nashik	2019
32	University Level workshop	Academic Research Coordinators (ARC)	Environmental Science Department, SavitribaiPhule Pune University, Pune	2019
33	International conference	Recent Advances in Life Sciences for betterment of Environment & Human Health (ICRALBEH-2019)	Govt. Holkar Science College Indor, M.P.	2019
34	National Conference	Challenges in Life Sciences &Agrobased Industries for rural development	Arts, Science & Commerce College Bodwad, Dist. Jalgaon	2019
35	State Level Conference	Chemical Pesticides and Impact on Environment and Human Health: The Urgent Need for Exploration in Agriculture	Department of life sciences, Arts, Science & Commerce College Manmad, Tal. Nandgaon, Nashik	2020
36	National Level Conference	Enhancement in Quality of Higher Education	Arts, Science & Commerce College Manmad, Tal. Nadgaon, Nashik	2020

Experience as Resource Person for:

1. Ph.D. course work in Zoology on 22.02.2023 at LVH, College Panchavati, Nashik-3.
2. Ph.D. course work in Zoology at MSG, College Malegaon, Nashik-5

E-content developed link:

The documentary events like photos, screenshots of online lectures, links of Google meeting/zoom meeting of remedial/extra/guest lectures taken, Attendance taken via chat box, feedback from Students, etc.

Audio- Video Lectures

F.Y.B.Sc. Zoology

Course Title: Animal Diversity – II

Course Code : ZO: 121

Semester – II

Chapter – 1	Phylum – Aschelminthes (PPT)	https://docs.google.com/presentation/d/1bULckwoNLbxHX3R7VVKRaMJOLmRx3x9n/edit?usp=sharing&ouid=110358814521286428481&rtfpof=true&sd=true
	Phylum – Aschelminthes (Video Lecture -1)	https://youtu.be/rK2UICP2Qms
	Phylum – Aschelminthes (Video Lecture -2)	
Chapter – 2	Phylum – Annelida (PPT)	https://docs.google.com/presentation/d/1Yj87XBlqxBLQhEiHCVzq-MGbSKs9yEIS/edit?usp=sharing&ouid=110358814521286428481&rtfpof=true&sd=true
Chapter - 3	Phylum- Arthropoda (PPT)	https://docs.google.com/presentation/d/1SWUCbSg4E_z1IpFvIoJsj_SJC_AaU6bUD/edit?usp=sharing&ouid=110358814521286428481&rtfpof=true&sd=true
Chapter - 4	Phylum- Mollusca (PPT)	https://drive.google.com/file/d/1v6UA8PM4hxYhUQtx51yh_lwrzfbbrVQ/view?usp=sharing

S.Y.B.Sc. Zoology

Course Title: Applied Zoology – II

Course Code : ZO: 242

Semester – IV

Chapt er – 1	Apicult ure – (Video Lecture -1)	https://drive.google.com/file/d/154cczPT05XCz5hZy_eUM71DQMpXkgXVL/view?usp=sharing
	Apicult ure – (Video Lecture -2)	https://drive.google.com/file/d/1t5Di7fsef50ZW2qAE3hoI8O7w-oFTAja/view?usp=sharing
Chap ter – 2	Fisher ies – (PPT)	
	Fisher ies - (PPT)	

Google Classrooms

F.Y. B.Sc. Zoology Academic Year - 2020-2021

Class Code: 4215itt

Class Link : <https://classroom.google.com/c/MTc4NDczMTMyMjc0?cjc=4215itt>

S.Y. B.Sc. Zoology Academic Year - 2020-2021

Class Code: srqkgat

Class Link : <https://classroom.google.com/c/MTc4NDczMDUwMzAz?cjc=srqkgat>

T.Y. B.Sc. Zoology Academic Year - 2020-2021

Class Code: hlprp3e

Class Link : <https://classroom.google.com/c/MTI2ODQyOTcxNTE3?cjc=hlprp3e>

MGV's, Arts, Science & Commerce College Manmad Nashik

Medical Laboratory & Molecular Diagnostic Technology (MLMDT)

Class Code: xqsmyhr

Class Link: <https://classroom.google.com/c/MTI2ODQyOTcxNDU5?cjc=xqsmyhr>

E-content developed

1. Website:
2. Youtube link: <https://studio.youtube.com/channel/UCWkmPowcylil5y-6LfZY9vA/videos/upload?filter=%5B%5D&sort=%7B%22columnType%22%3A>

Social Media links

Research gate

Research Scholar	https://s
Orchid Id	https://
