

CURRICULUM VITAE (C.V.)



Name : **Dr. Mrs. Sushama Sunil Pawar**
Present Designation : Head, Department of Zoology
Contact : zooymc@gmail.com;
sushama.pawar@bharatividyaapeeth.edu

Educational Qualifications : M.Sc.; Ph.D.

Exam	Subject
Ph.D.	Age Related changes In Brain Acid Phosphatase

Teaching Experience:

A] Under-Graduate Level : 16 years

B] Post-Graduate Level : 03 years

ACADEMIC ODYSSEY

India: Delhi, Tiruchirapalli, Bhopal, Nagpur, Pune, Surat,

Awards and Honours:

1. Recognized Ph.D. guide in Zoology of BVDU, Pune
2. Chairman, Board of Studies in Life Sciences, Bharati Vidyapeeth University, Pune.
3. Member : Meeting of Experts for preparation of Glossary of Environmental Science Commission for Scientific and Technical Terminology MHRD, Department of Higher Education, Government of India ,New Delhi. Organized by Smt, Meenalben Mehta Arts and Commerce and Science College, Panchgani on 6th June 2016 to 10th June 2016
4. Member : Institutional Ethics Committee, Yashwantrao Mohite College, Pune.
5. Life Member : Indian Aerobiological Society
6. Chaired the plenary session in capacity of Resource Person in the National Seminar Environmental Issues And Biodiversity Lal Bahadur Shastri College of Arts, Science and Commerce, Satara, Maharashtra 24th - 25th January 2017

Publications:

i) Edited Books published: (02)

1. Editor of Sovinir of UGC sponsored National Seminar on 'National Seminar on Biodiversity: Conservation and Protection'. On 13th & 14th March 2012
2. Editor of Proceeding of UGC Sponsored National Seminar on Current Trends in Biodiversity Conservation and Climate Change (Special issue) ISSN : 2321-8819 (Online) , ISSN : 2348-7186 (Print)

ii) Research Papers published: (20)

1. The research paper entitled Effect of testosterone propionate on glycoproteins from submandibular and sublingual glands of male mice published in Journal of Endocrinology and reproduction, Vol. 2, 1998, Pp 54-68 [ISSN0971-913X]
2. The research paper entitled Effect of Indomethacin on Brunners gland of duodenum published in Indian J. of Comparative Animal Physiology, Vol. 17, 1999, Pp 40-51, [ISSN0255-7150]

3. The research paper entitled Kinetics of amylase and trypsin in the salivary glands of senescent male mice published in Indian J. of Gerontology ,Vol.13(3), 2000, Pp 51-56, [ISSN0971-4189]
4. The research paper entitled Hypoglycemic effect of sialodenectomy in mice published in Journal of Endocrinology and reproduction,Vol.5(2), 2001, Pp 51-56, [ISSN0971-913X]
5. The research paper entitled Protective effect of *Lactuca sativa* on various regions of brain during aging published in Indian J. of Gerontology, Vol.16 (3 & 4), 2002, [ISSN0971-4189]
6. The research paper entitled Protective effect of *Hydrocotyl asiatica* extract on brain during aging published in Indian J. of Comparative Animal Physiology, Vol. 21(1), Pp 77-85, 2003, [ISSN0255-7150]
7. The research paper entitled Influence of HICO-110R on water relations, photosynthetic pigments, stomatal regulation and yield of groundnut under water stress condition published in .International Journal of Multifaceted and Multilingual Studies. Vol.1 (3), 2014, Pp 1-6, [ISSN2350-0476]
8. The research paper entitled Effect of antitranspirants on the germinating seeds of *Sorghum vulgare* L. published in Asian Journal of Multidisciplinary Studies. Vol.3 (9), 2014, Pp 174-177, [ISSN2321-8819]
9. The research paper entitled Determination and quantification of Bacoside A from *Bacopa monnieri* (L) by High Performance Thin Layer Chromatography published in International Journal of Pharmacognosy and Phytochemical Research. Vol. 7 (5), 2015, Pp 1060-65, [ISSN0975-4873]
10. The research paper entitled Determination of Extractive value and Phytochemical analysis of *Bacopa monnieri* (L) published in Proceeding of State level seminar on Recent Advances in Life Sciences. Published in State level Seminar, 2015, Pp 71-76, [ISSN978-93-84916-59-6]
11. The research paper entitled Comparative study of extractive values of the leaf, unripe and ripe fruit extracts of *Aegle marmelos* (L) published in State level seminar on Recent Advances in Life Sciences . Published in State level Seminar, 2015, Pp 77-83, [ISSN978-93-84916-59-6]
12. The research paper entitled Diversity of Bioactive Components of *Cullen Corylifolium* (L.) Medik. National Conference on Biodiversity, Climatic Change and Sustainable Development published in National Conference. 2015, Pp328-334, [ISSN978-93-5235-969-1]
13. The research paper entitled Impact of Climate Change on the Dynamics of Rat House Dust Mites published in Asian Journal of Multidisciplinary Studies. Vol. 4, Issue 3, 2016 Pp 73-79, [ISSN2321-8819]

14. The research paper entitled Biodiversity of Mite Fauna in the Intramural Environment of Rat House at Pune published in Int. J. of Life Sciences, Special Issue A3 September, pp. 11-17,2015, [ISSN2320-7817]
15. The research paper entitled Effect of environment on seasonal dynamics of rat house mites at Pune published in International Journal of Entomology Research, Volume 1; Issue 4; May 2016 pp 26-32, [ISSN 2455-4758]
16. The research paper entitled Study of Phytochemical Screening, Physicochemical Analysis and Antimicrobial Activity of *Bacopa monnieri* (L) Extracts published in International Journal of Pharmaceutical and Clinical Research, Volume 8 Issue 8, August 2016pp 1222-1229, [ISSN 0975 1556]
17. The research paper entitled Quantitative Evaluation of Plant Diversity from Newly reported Sacred Grooves (Devrais) in Pune District (Maharashtra) published in Asian Journal of Multidisciplinary Studies, Volume 4, Issue 10, Sept 2016 pp 58-66, [ISSN 2321-8819]
18. The research paper entitled FESEM and FTIR spectroscopic characterization of *Aegle marmelos* (L.) unripe fruit published in International Research Journal of Biological Sciences, Volume 6, Issue 1, Jan, 2017 pp 34-39, [ISSN 2278-3202]
19. The research paper entitled Determination of elemental and morphological properties of *Aegle marmelos* (L.) by FTIR and FESEM technique published in Research Journal of Recent Sciences, Volume 6, Issue 2, Feb 2017pp 40-45, [ISSN 2277-2502]
20. The research paper entitled Effect of Bacoside A on lipid peroxidation in D- galactose induced aging mice published in International Journal of Pharmacy and Pharmaceutical Sciences, Volume 9, Issue 9, Sept 2017pp 12-15, [ISSN 0975-1491]

D] As a Resource person:

1. **Chaired** the plenary session in capacity of Resource Person in the National Seminar Environmental Issues And Biodiversity Lal Bahadur Shastri College of Arts, Science and Commerce, Satara, Maharashtra 24th - 25th January 2017

E] Research Papers presented: (17)

1. Determination of Extractive value and Phytochemical analysis of *Bacopa monnieri* (L) State level seminar on Recent Advances in Life Sciences Jointly organized Savitribai Phule Pune University, Pune and Department of Zoology, Bharatiya Jain Sanghatana's Arts, Science and Commerce College, Wagholi, Pune. 4-5th Feb 2015
2. Comparative study of extractive values of the leaf, unripe and ripe fruit extracts of *Aegle marmelos* (L) State level seminar on Recent Advances in Life Sciences Jointly organized Savitribai Phule Pune University, Pune and Department of Zoology, Bharatiya Jain Sanghatana's Arts, Science and Commerce College, Wagholi, Pune. 4-5th Feb 2015
3. Determination of elements in *Bacopa monnieri* (L) by ICP- MS technique. **International Conference on Validation of Medicinal Plants and Traditional Medicines – Global Perspectives** Department of Pharmaceutical Sciences, Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur, Maharashtra, India. 20th – 22nd Feb 2015
4. Comparative Study of Element contents in leaves, unripe and ripe fruit powder of *Aegle marmelos* (L.) **International Conference on Validation of Medicinal Plants and**

Traditional Medicines – Global Perspectives Department of Pharmaceutical Sciences,
Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur, Maharashtra, India 20th – 22nd Feb
2015

5. Diversity of bioactive components of *Cullen Corylifolium* (L.) Medik National Conference on Biodiversity, Climatic Change and Sustainable Development Department of Zoology Krantisinh Nana Patil college, Walwe, Sangli..29th -30th Aug 2015
6. Biodiversity of mite fauna in the intramural environment of rat house at Pune.National Conference on Advances in Bioscience and Environmental Science- Present and Future Department of Zoology B. P. Arts, S.M.A. Science and K. K. C. Commerce College, Chalisgaon, Jalgaon.22nd – 23rd Sept 2015
7. Impact of environment on the dynamics of rat house dust mites.18th National Conference of Indian Aerobiological Society on 'Impact of Aerosols on Health, Heritage and Environment'.Faculty of Science Tumkur University Karnataka, India.28th -230^h Sept 2015
8. Preliminary Physicochemical Evaluation of Ethnomedicinal Herb : *Bacopa monnieri* (L).International Conference on Advances in Asian Medicine Symposium on Ethno pharmacology – Validation of Traditional Medicine Bharati Vidyapeeth University –Poona College of Pharmacy In association with Society for Ethnopharmacology, India (SFE -India) Affiliated to International Society for Ethnopharmacology, UK4th January 2016
9. Characterization of *Bacopa monnieri* (L) by using FESEM and FTIR spectroscopy. International Conference on Functional Eco-friendly Smart Emerging Materials (FESEM) Pune District Education Association's Baburaoji Gholap College, Sangavi, Pune. Maharashtra. YASHADA Pune.10th -12th March 2016
10. Quantitative determination of elements in *Bacopa monnieri* (L) extracts by ICP- MS technique 6th International Science Congress (ISC-2016)Theme : Digitization in Research for cultural, commercial and scientific development International Science Community Association Under the association of Hutatma Rajguru Mahavidyalaya, Pune, Maharashtra, India.8th - 9th December 2016
11. Determination of elemental and morphological properties of *Aegle marmelos* (L) by FTIR and FESEM technique 6th International Science Congress (ISC-2016) Theme :Digitization in Research for cultural, commercial and scientific development International Science Community Association Under the association of Hutatma Rajguru Mahavidyalaya, Pune, Maharashtra, India.8th - 9th December 2016
12. FESEM and FTIR spectroscopic characterization of *Aegle marmelos* (L) unripe fruit 6th International Science Congress (ISC-2016) Theme :Digitization in Research for cultural, commercial and scientific development International Science Community Association Under the association of Hutatma Rajguru Mahavidyalaya, Pune, Maharashtra, India 8th - 9th December 2016
13. Quantitative Estimation of Phenolic and Flavonoid Contents in *Bacopa monnieri* L. National Seminar Environmental Issues And Biodiversity Lal Bahadur Shastri College of Arts, Science and Commerce, Satara, Maharashtra24th - 25th January 2017
14. Phytochemical Screening of *Petroselinum crispum* in Different Extracts National Conference (ETC-LS) Yashwantrao Chavan Warana Mahavidyalaya, Warananagar, Maharashtra. 28th January 2017
15. Effect of Bacoside A on Lipid Peroxidation in D-Galactose Induced Aging Mice INNOPHARM2 2nd International Conference on Bridging Innovations in Pharmaceutical, Medical and Biosciences Innovare Academic Sciences, Bhopal, MP, India. 11th -12th February 2017
16. Estimation Of Total Phenolic And Flavonoid Contents In *Aegle Marmelos* L. Ripe Fruit Extracts INNOPHARM2 2nd International Conference on Bridging Innovations in Pharmaceutical, Medical and Biosciences Innovare Academic Sciences, Bhopal, MP, India 11th -12th February 2017
17. Spectrophotometric Determination Of Total Phenolic And Flavonoid Contents In *Aegle Marmelos* L. Leaves Extracts INNOPHARM2 2nd International Conference on Bridging

Innovations in Pharmaceutical, Medical and Biosciences Innovare Academic Sciences,
Bhopal, MP, India 11th -12th February 2017

F] Research Experience:

i) Ph. D. Scholars registered the supervision and guidance: (03)

Sr.	Name of the scholar	Topic of the research
1.	Jadhav Manmohini Gangadharrao	Evaluation of Antiaging Effects of <i>Aegle marmelos</i> L. Extract on Mouse Heart
2.	Deokar Tejal Gajanan	Assessment of Protective Effect of <i>Aegle marmelos</i> L. Extract on mouse brain during aging
3.	Jadhav Vrushali Kiran	Effect of <i>Anethum graveolens</i> L. On Murine Heart

Special Academic Contribution:

1. Organization of UGC sponsored National Seminar on 'National Seminar on Biodiversity: Conservation and Protection'. On 13th & 14th March 2012
2. Organization of UGC sponsored National Seminar on 'National Seminar on Current Trends in Biodiversity Conservation and Climate Change'. On 24th & 25th Feb. 2016
3. Organization of One Day Workshop on 'Scientific Sketching and Labeling Skills' has been organized for B.Sc. students. 1st Aug. 2015
4. Chairman, Board of Studies in Life Sciences, Bharati Vidyapeeth University, Pune.
5. Active member of college Nature Club. Actively participated by giving important information about fauna and its protection to B.Sc students.
6. Actively participated in NSS activities of college.
7. Popular writings in news papers and magazines, Marathi Article writing in College Magazine, Yashobharati.

Memberships of Learned Academic Organizations:

1. Recognized Ph.D. guide in Zoology of BVDU, Pune
2. Member : Board of studies in Life sciences, BVDU, Pune.
3. Member : Meeting of Experts for preparation of Glossary of Environmental Science Commission for Scientific and Technical Terminology MHRD, Department of Higher Education, Government of India ,New Delhi. Organized by Smt, Meenalben Mehta Arts and Commerce and Science College, Panchgani on 6th June 2016 to 10th June 2016
4. Member : Institutional Ethics Committee
5. Life Member : Indian Aerobiological Society

The Workshops/ Conferences/ Seminars and Refresher/ Orientation courses attended/ participated: (42)

Sr.	Particulars	Place	Date
1	IX All Indian Symposium on Reproductive Biology and Comparative Endocrinology.	Tiruchirapalli	Feb. 20-22, 1991
2	X all Indian Symposium on Reproductive Biology and Comparative Endocrinology, Coimbatore.	Coimbatore	11-12 Jan., 1992
3	17th National Conference of Society for Reproductive Biology and Comparative Endocrinology.	Surat	24-26Jan., 1999
4	20th Annual Conference of Indian Society for Comparative Animal Physiology.	Tirupati	26-28 Feb, 2003

5	Regional Workshop on Water : A Scarc and Scared Resource.	Department of Environmental Science, Shivaji University, Kolhapur	22-23 Feb.,2003
6	National Symposium on Recent Trends in Biology and Biotechnology and 23rd Annual Session of the academy of Environmental Biology.	Shivaji University, Kolhapur	9-11 October 2003
7	Shivaji University College Teachers Association for Zoology, Shivaji University, Kolhapur Third Annual Conference on U.G.C. Model Curriculum	Vivekanand College, Kolhapur	25th February 2004
8	Training workshop for College Teachers in Zoology at B.Sc. Part – III, New Syllabi.	Shivaji University ,Kolhapur, at S.G.M College,Karad	19-20th October 2005
9	National workshop on Recent Trends in Biotechnology sponsored by UGC.	Department of Zoology, L.B.S.College, Satara	28-29 March 2007
10	Biotech Summit 2009.	Pune University & YASHADA, Baner Rd., Pune	14th Nov. 2009
11	National Conference on recent trends in life Sciences.	Annasaheb Magar college, Hadapsar, Pune	18th and 19th Dec.
12	National Seminar on Advancement in Academic Research.	Research Cell BVDU, IMED ,Pune held	29TH Dec 2009.
13	National Seminar on Diagnostic techniques	Faculty of Life Sciences, BVDU,Y.M.College,Pune	6th March 2010
14	International Conference on Biodiversity and its conservation	Modern College of Arts,Science & Commerce Pune	28th-30th Jan 2011
15	National conference on “Recent Trends in Life Sciences with Special Reference to Animal Physiology, Biotechnology & Biodiversity”	S.G.M. college Karad, Satara (Maharashtra)	19th to 20 th Oct. 2011
16	International Conference on Perspectives of Computer Confluence with Sciences	Nowrosjee Wadia College of Arts and Science. Pune	10- 12 Jan 2012
17	National conference on Characterization Techniques for Physical, Chemical and Biological Analysis	PDEA, Waghire College, Saswad, Tal. Purandar, Dist. Pune	1-3 March 2012
18	17 th National Conference of Indian Aerobiological Society Pune. On Impact of Airborne Microbes	Indian Aerobiological Society Pune and MAEER's Arts, Commerce and Science College, Pune	13-15 Dec 2012
19	National Conference on Global Warming	Matoshri Bayabai Shripatrao Kadam Kanya Mahavidyalaya, Kadegao, Sangli.	6-7 Feb.2015.
20	Workshop on S. Y. B.Sc. syllabus restructuring in zoology	BOS (Zoology), BCUD, University of Pune.	22 nd Feb 2014
21	National conference on Environmental Biotechnology	Department of Zoology, Lal Bahadur Shastri College, Satara, MH.	29 th & 30 th Dec 2014
22	National conference on Innovative Ideas and Research in Life Sciences for Sustainable Development	Department of Zoology, Nowrosjee Wadia College of Arts and Science. Pune	16-17 Jan.2015.
23	State level seminar on Recent Advances in Life Sciences	Jointly organized Savitribai Phule Pune University, Pune and Department of Zoology,	4-5 th Feb 2015

		Bharatiya Jain Sanghatana's Arts, Science and Commerce College, Wagholi, Pune.	
24	International Conference on Validation of Medicinal Plants and Traditional Medicines – Global Perspectives	Department of Pharmaceutical Sciences, Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur, Maharashtra, India.	20 th – 22 nd Feb 2015
25	National Conference on Biodiversity, Climatic Change and Sustainable Development	Department of Zoology ,Krantisinh Nana Patil college, Walwe, Sangli.	29 th -30 th Aug 2015
26	National Conference on Advances in Bioscience and Environmental Science- Present and Future (ABES 2015)	Department of Zoology , B. P. Arts, S.M.A. Science and K. K. C. Commerce College, Chalisgaon, Jalgaon.	22 nd – 23 rd Sept 2015
27	18 th National Conference of Indian Aerobiological Society on 'Impact of Aerosols on Health, Heritage and Environment'.	Faculty of Science , Tumkur University Karnataka, India.	28 th -230 ^h Sept 2015
28	A One Day Workshop on Insights in Biology 2025	CSIR – National Chemical Laboratory, Pune	29 th Oct 2015
29	International Conference on Advances in Asian Medicine Symposium on Ethno pharmacology – Validation of Traditional Medicine	Bharati Vidyapeeth University –Poona College of Pharmacy In association with Society for Ethnopharmacology, India (SFE -India) Affiliated to International Society for Ethnopharmacology, UK	4 th January 2016
30	National Workshop Recent Advances in Cell Biology and Molecular Biology	Department of Botany and Zoology, Sir Parashurambhau College, Pune	5 th and 6 th February, 2016
31.	National Conference on Climate Change : Assessment Impact and its relevance to India	Sir Parashurambhau College, Pune – 30	4 th and 5 th March 2016
32.	State level Workshop Bioinformatics and Biostatistics Using R-Software	Sir Parashurambhau College, Pune – 30	30 th September - 1 st October 2016
33	International Conference on Functional Eco-friendly Smart Emerging Materials (FESEM)	Pune District Education Association's Baburaoji Gholap College, Sangavi, Pune. YASHADA Pune	10 th -12 th March 2016
34	The Meeting of experts for preparation of glossary of Environmental Science. Government of India Commission for Scientific and Technical Terminology, MHRD, New Delhi	Smt, Meenalben Mehta Arts and Commerce and Science College, Panchgani (M.S.)	6 th June 2016 to 10 th June 2016
35	6 th International Science Congress (ISC-2016)	International Science Community Association Under the association of Hutatma Rajguru Mahavidyalaya, Pune, Maharashtra, India	8 th - 9 th December 2016
36	Workshop Programme on Zoological Terminology and Scientific Writing in Marathi. Organized by Commission for Scientific and Technical terminology MHRD, New Delhi.	At Lal Bahadur Shastri College of Arts, Science and Commerce, Satara, Maharashtra	24 th - 25 th January 2017
37	National Seminar on Environmental Issues And Biodiversity	Lal Bahadur Shastri College of Arts, Science and Commerce, Satara, Maharashtra	24 th - 25 th January

			2017
38	National Conference (Etc-LS)	Yashwantrao Chavan Warana Mahavidyalaya, Warananagar, Maharashtra	28 th January 2017
39	INNOPHARM2 2 nd International Conference on Bridging Innovations in Pharmaceutical, Medical and Biosciences	Innovare Academic Sciences, Bhopal, MP, India	11 th -12 th February 2017
40	State level conference on Conservation of Biodiversity	Abeda Inamdar Senior College of Arts, Science and Commerce, Pune	17 th and 18 th February 2017
41	Orientation	The UGC – Academic Staff College University of Pune	3 rd Oct 2013- 30 th Oct 2013
42	Refresher	Department of Environmental Science, Savitribai Phule Pune University, Pune – 411007. Under UGC Scheme.	01-10- 2015 to 21- 10-2015 (Twenty One Days)
