

◆ MODERN EDUCATION SOCIETY'S ◆

NOWROSJEE WADIA COLLEGE, PUNE
FACULTY ACADEMIC PROFILE**Prof. Dr. Atmaram Vitthal Andhale**

- Head Department of Biotechnology,
- Professor, Department of Zoology

Highest Qualification: Ph.D. M.Phil. Zoology, M.Sc. Biotechnology, M.Sc. Zoology

Specialization: Molecular Biotechnology

Official College Email: avandhale@nowrosjeeewadiacollege.edu.in

hod_biotech@nowrosjeeewadiacollege.edu.in

PROFESSIONAL SNAPSHOT

Job Profile: *Academic Leadership and Research direction in the field of Life Sciences.*

EDUCATION

Qualification	University / Institution	Year
Ph.D. Zoology (Molecular Biotechnology)	Dr. BAMU Ch. Sambhaji Nagar	2011
M.Phil. Zoology (Animal Physiology)	Periyar University Salem, Tamilnadu	2009
M.Sc. Zoology	Dr. BAMU Ch. Sambhaji Nagar	2005
M.Sc. Biotechnology	Dr. BAMU Ch. Sambhaji Nagar	2003
B.Sc. Zoology, Chemistry, Microbiology	Deogiri College Ch. Sambhaji Nagar	2001
Computer Literacy	MS-CIT	2000

TEACHING & ACADEMIC INTERESTS

- Animal Physiology • Cell and Molecular Biology • Pathology • Public Health and Hygiene
- Immunology • Medical Biology • Animal Biotechnology • rDNA Technology • Forensic Science

AWARDS**International Awards:**

1. **“Outstanding Achievement Award-2025 @ University of Mysore, Karnataka, India** in International Conference on, “Agriculture Biological & Biodiversity Conservations for Sustainable Development (ABCD-2025) date 13- 15 2025.
2. **“Excellence Academician Scientist Award-2025”**, Received on the occasion of **08th International Conference** on “Cutting Edge-Research Innovation in Sustainable Education, Environment & Agriculture (CRISEA-2025), at Goa University, Goa
3. **Received First Prize for Oral presentation of a Research Paper at the 08th International Conference** on “Cutting Edge-Research Innovation in Sustainable Education, Environment & Agriculture (CRISEA-2025), at Goa University, **Goa.**

4. Recipient of **“Global Excellence Research Award-2024”** on the occasion of the **7th International Conference on Global Approaches in Agricultural, Biological, Environmental and Life Sciences for Sustainable Future, Kathmandu, Nepal.**
5. Received **First Prize for Oral presentation of a Research Paper** at the **7th International Conference on Global Approaches in Agricultural, Biological, Environmental and Life Sciences for Sustainable Future, Kathmandu, Nepal.**
6. **Mind Education Specialist Award 2016** in the ‘Mind Education Specialist Training program’ hosted by **International Mind Education Institute held at Savitribai Phule Pune University** on January 11th, 2016

National and State Awards:

7. Received **Dr. Sarvepalli Radhakrishnan Memorial National Award-2025** with the title Education and Research Excellence Award organized by International Association of Research and development Organization (IARDO) of India Educational Charitable trust and Institute of Social Reforms and Higher Educations Charitable Trust registered with Gov. of India, NITI Aayog NGO Darpan (MHRD), on 5th September-2025 held at Constitution Club of India, Delhi.
8. Received **“National Swami Vivekanand Educational Award-2022”**, by **Surjan Vangmay Parishad, Bhopal (MP)**, India, on 10th December 2022.
9. **“Ideal Teacher Award 2023”** by Bharat Ratan Molana Azad Social, Education and Sports Association, on Teacher’s Day, 5th September 2023
10. Received the **“Special Recognition Award” for Research Excellence**, on the occasion of Gymkhana Day 2025, by MES’s Nowrosjee Wadia College, Pune
11. Received the **“M. Gokhale Award”** for Academic Excellence, on the occasion of the Scholars Day-2025, by MES’s Nowrosjee Wadia College, Pune
12. Secured **First Prize for Oral Presentation of a Research Paper** at **National Conference on “Recent Trends and prospects in Life sciences”** from 27th to 28th December 2012, organised by **Mahtma Gandhi Mahavidyalaya, Ahmedpur (MS), India**

PATENT

Granted a innovation patent with no 563206:

“A method for harvesting decellularized extracellular matrix from animal liver tissues and applications thereof”, dated 21/03/2025

RECOGNITIONS

1. UG and PG Teacher.
2. M.Phil. Research Guide for Zoology under SPPU Pune
3. PhD. Research Guide under SPPU Pune,
4. H.O.D. Department of Biotechnology, Nowrosjee Wadia College, Pune

Experience :

- Worked as an Analyst at the Government. ITL, Pune. (7th June 2003-30th Dec. 2004) during this period, I analysed various pesticides from different samples with HPLC, GC & spectrophotometer, etc.
- **16** years of research experience in different fields of life Sciences.
- **05** years of teaching experience as a Lecturer of P. G. in the Department of Biotechnology (Non-Granted).
- **14** years of teaching experience as an Assistant and Associate Professor in the Department of Zoology at NWC Pune (UG and PG), in a permanent post.

Instruments Known

- Electrophoresis apparatus,
- Centrifuge, GC, HPLC,
- PCR Spectrophotometer,
- Calorimeter, Microtome, etc

RESEARCH & PUBLICATIONS**Research Dedications:**

- Nickel pollution study of water bodies in which Nickel chloride impacts physiological alterations in freshwater bivalves has been studied.
- The ECM biomaterial was investigated and developed for its importance in wound dressing, especially in the treatment of chronic/diabetic wounds and burn victims.
- Bio-pesticides formulations for IPM and Agro Biotechnology.
- Forensic Science determined Post Mortem Interval Time (PMI)
- Biodiversity and Conservation

Research papers published in the Journals notified on UGC website:

1. Atmaram Vitthal Andhale* (2025), “*Efficiency of a novel Tagetes erecta-based Biopesticide against Sitophilus zeamais Infestation in stored Sorghum bicolor*” *International Journal*, International Journal of Zoological Investigations, ISSN 2454-3055, Vol. 11, no.2 pp 350-360 (Web of Science Indexed) [AY 2025-2026]
2. Atmaram Vitthal Andhale¹ (2025): “*Lantana camara operative for conservation of the Sorghum bicolor from the Infestation by Sitophilus zeamais for the well-being of human health*”, *International Journal of Environmental Sciences*, ISSN 2229-7359, Vol. 11 No 6, 2025, pp 122-232 <https://theaspd.com/index.php/ijes/article/view/5764> Scopus Indexed by Elsevier publication [AY 2025-2026]
3. Atmaram Vitthal Andhale¹*, S. P. Chate² (2025), “*Consequences of Inorganic, Organic, and Biofertilizers on Percentage Uptake of Micronutrients (N, P, and K) in Grain, Straw, and Total of Phaseolus vulgaris (Rajma)*” *Advances in BioResearch*, ISSN- 2277-1573, Special Issue 1-2025, 22-28 Additional Web of Science Indexes: Zoological Record [AY 2025-2026]
4. Atmaram V Andhale and S. P. Chate (2025), “*Study of Effect of Nutrient Management through Inorganic, Organic and Biofertilizer on Grain and Straw yield and Quality parameters of Phseiolulus vulgrius*” *Indian*

Journal of Natural Sciences, ISSN no 0976- 0997, Vol.15 / Issue18 / Feb / 2025 / pp 87423-87431, www.tnsroindia.org.in ©IJONS (Indexed:Web of Science- Zoological Record) [AY 2025-2026]

5. Atmaram Vitthal Andhale*(2024), “Screening of Antidiabetic, Antibacterial and Antifungal Properties of the local plant, Argemone mexicana”, African Journal of Biomedical Research ISSN:1119-096, Vol. 27, December 2024 pp 01-14 (Index: Scopus till 2024 and Web of Science-Zoological record) [AY 2024-2025]

6. Sangeeta Sinha, Atmaram Vitthal Andhale1* : (2024), “To Examine the Oxidative and Toxic Effect of Oleo Rheumea (ayurvedic herbal oil) on Periplanta americana (American Cockroach)”, International Journal of Entomology Research, ISSN:2455-4758, Volume 9, Issue 10, 2024, page no 157-163 www.entomologyjournals.com (Indexed: Web of Science) [AY 2024-2025]

7. Sangeeta Sinha, Atmaram Vitthal Andhale1* (2023), “Evaluation of Oxidative stress Biomarker in Pomacea canaliculate (apple snail, gastropoda: ampullariidae) exposed to Crystal Violet” in International Journal of Applied Engineering and Technology ISSN: 2633-4828 Vol 5 No 3 September 2023, pp 1359-1372 published by Roman Science Publication London UGC Care Listed II **Scopus Indexed, Elsevier publication** [AY 2023- 2024]

8. Atmaram Vitthal Andhale1*, S. P. Chate2 (2023), “Effect of Inorganic, Organic Nutrient Sources and Bio-Fertilizers on Growth Attributes, Biomass at Flowering and Nodule Weight of Phaseolus vulgaris (Rajma)”, Journal of Advanced Zoology, ISSN: 0253-7214, Volume 44 Issue S-5 Year 2023 Page 01:08 (Scopus coverage: 1993 to 2022, Indexed in UGC Care Listed-II, Web of Science Indexed- Zoological Record (discontinued in Feb. 2024) [AY 2023-2024]

9. Solanki Jigar, Rounak Khare and Andhale Atmaram Vitthal* (2022), “Checklist of Snakes Found In Maval Taluka, Pune, Maharashtra, India”, “Checklist of Snakes Found In Maval Taluka, Pune, Maharashtra, India, ‘CIBTech Journal of Zoology’ ISSN- 2319-3883, 2022, Vol. 11, pp182-192, Online available at <http://www.cibtech.org/cjz.htm> published by Center for Biotechnology, Jaipur, Rajasthan, India UGC care listed II **Web of Science; Index Copernicus, Chemical Abstracts Service (CAS),** [AY 2022-2023]

10. Atmaram V Andhale (2022),“The nutritive values of Food resolved by Development of Leaves Extract from Eucalyptus globulus (Nilgiri) to Targets of Callosobruchus maculatus”, in ‘International Journal of Entomology Research’, Volume 7, Issue 6 page no 10-17, With ISSN No 2455-4758, 07/06/2022 and Impact Factor RJIF: 8, UGC Care Listed-II, Web of Science Indexed (www.entomologyjournals.com) [AY 20221-2022]

11. Atmaram V Andhale (2022),“Formulation of the Leaves Extract of Syzygium cumini (Jambul) targets to Callosobruchus maculatus to reserve the Food Grains”, ‘International Journal of Entomology Research’, Volume 7, Issue III, pages 118-125, With ISSN No 2455-4758 and Impact Factor RJIF: 8, UGC Care Listed-II, Web of Science (www.entomologyjournals.com) [AY 20221-2022]

12. Andhale A. V.* and Bhosale S. P. (2021), “Study of Symptoms of Covid -19 from Maharashtra Region”, ‘Journal of Research and Development’, **Peer Reviewed Journal, ISSN-2230-9578, Impact factor 7.265, Volume No 11, Issue 24 page no 221-108, 2021 [AY 2020-2021]**

13. Andhale A. V.*, Phulwade D. N. and Dhnve P. V. (2021): Fish diversity of Kava Lack Dist. Latur (MS), India, “Journal of Research and Development”, **Peer Reviewed Journal, ISSN-2230-9578, Impact factor 7.265, Volume No 11, Issue 24 page no 201-2023 [AY 2020-2021]**

14. A. V. Andhale (2021), “*Biodiversity study of Rotifers during Covid-19 pandemic from Bindusara Lake, Maharashtra*”, Ajanta Peer Reviewed Referred and UGC Care Listed Journal no. 40776, with Impact Factor 6.399, Ajanta ISSN no 2277-5730, Volume 10, Issue- April-June 2021 page no 33-40, Available (www.sjifactor.com) [AY 2020-2021]
15. A. V. Andhale¹ and S. P. Chate² (2020), “*Study of Effect of Integrated Nutrient Management through Resource of Inorganic with or without Micronutrient, Organics, Bio-Fertilizers and their combination on Nutrients Status of Soil while Harvesting of Phaseolus vulgaris*” in ‘The International Journal of Analytical and experimental modal analysis’, UGC Care Listed with ISSN NO: 0886-9367, page no 20 to 34, Volume XII, Issue V, May/2020 [AY 2019-2020]
16. A. V. Andhale¹ and Gunwati V. Arak² (2020), “*Study of Zooplankton Diversity in Pashan Lake, Pune, Maharashtra, India*”, in ‘The International Journal of Analytical and Experimental Modal analysis’, UGC Care Listed with ISSN No:0886-9367, page no 09 to 19, Volume XII, Issue V, May/2020 [AY 2019-2020]
17. R. Valvi¹ and A.V. Andhale² (2020), “*Aerobiological Studies of Tagetes erecta Crop*”, ‘The International Journal of Analytical and Experimental Modal Analysis’, UGC Care Listed with ISSN No:0886-9367, page no 120 to 128, Volume XII, Issue IV, April/2020 [AY 2019-2020]
18. A. V. Andhale¹ and S. P. Chate² and S.R. Valvi³ (2020): “*Effect of Integrated Nutrient Management (Inorganic, Organic, Bio-fertilizers their Combination) on the Chemical Properties of Soils at harvest of Phaseolus vulgaris*”, in ‘The International journal of Analytical and Experimental Modal Analysis’, UGC Care Listed with ISSN No:0886-9367, page no 1 to 9, Volume XII, Issue IV, April/2020 [AY 2019-2020]
19. Gedam Ajit K, Andhale A. V and Phulwade Durgesh N (2019): “*Study of Fresh Water fish Diversity of Sanjul Lake, Aurangabad (M.S.) India*”, in International Journal of Life Sciences, Peer Reviewed Special Issue A13:273-275, ISSN: 2320-964X (Online) & ISSN:2320-7817 (print) Available online on <http://www.ijlsci.in> [(ICV 2016: 86.13), {Cosmos Impact factor 4.369} and {SJIF impact factor 2016: 6.38}] [AY 2019-2020]
20. Andhale A. V., Chate Shakuntala and Valvi S. R., (2019), “*Effect of inorganic fertilizers, organic manure alone and in combination with or without bio-fertilizer on physical properties of soil at harvest of Rajma*”, in International Journal of Life Sciences, Peer Reviewed Special Issue A13:320-323, ISSN: 2320-964X (Online) & ISSN:2320- 7817(print) Available online on <http://www.ijlsci.in> [(ICV 2016 86.13), {Cosmos Impact factor 4.369} and {SJIF impact factor 2016: 6.38}] [AY 2019-2020]
21. Gedam Ajit K, Phulwade Durgesh N and Andhale A. V. (2017): “*Food and feeding Habits of freshwater fish Catla catla from Aurangabad region (MS) India*”, ‘Vidyawarta Multidisciplinary Journal’, UGC Approval: 62759, Impact Factor 4.041 & with its ISSN 2319-9318, by Harshvardhan Pvt.Ltd, July 2017 Special Issue Online, pages no 185 to 196, [AY 2019-2020]
22. Valvi S. R., Jadhav V. D., Gadekar S. S. and Andhale A. V. (2016): “*Nutritional and Phytochemical Analysis of three Wild Edible Fruits*”, International Conference Proceeding Book with ISBN 978-81-924850-2-7; page no. from 378 to 379 organized by Tuljaram Chaturchand College Baramati (MS) India, on 11th -13th February 2016. {AY: 2015-16}, [AY 2015-2016]
23. Andhale A.V. (2015), “*Effect of extract of Aloe vera to control Corcyra cephalonica (Rice-moth) infestation in rice*”, UGC National Conference Proceeding Book with ISBN no 978-93-5235-362-0, page no

from 67 to 74, “Recent Trends in Life Sciences” organized by S.M. Joshi College, Hadpsar, Pune. (M.S.) India on 10th and 11th July 2015, [AY 2015-2016]

24. A. V. Andhale, Pramod Shinde and M. S. Arora (2013), “*Morphological Study of C. megacephala in relation to its importance in forensic science in the rainy season*”. World Journal of Pharmacy Research 2013, 1(1):01-05 ISSN: 2320-4435. Available online: <http://wjpronline.com/> [AY 2012-2013]

25. A. V. Andhale, R. M. Pawar and Pramod Shinde; (2012): “*Morphological Study of C. megacephala in relation to its importance in forensic science in winter season*”, ‘World Journal of Science and Technology’ 2012, 2(11):01-05 ISSN 2231-2587. Available online: www.worldjournalofscience.com [AY 2012-2013]

26. Andhale A. V. (2012), “*Morphological data of Chrysomya megacephala studied to find out PMI in reference to its forensic importance from Pune region*” Proceedings of National Conference on ‘Recent Trends and Future Prospects in Life Sciences’ 27th and 28th December 2012; p.no.238-246, with ISBN 978-81-924894-3-8. Edited by Dr R. M. Kadam is organised by the Department of Botany, MGM, Ahmedpur (MS), India. [AY 2012-2013]

27. A. V. Andhale and S. P. Zambare, (2012), “*Effect of nickel induced respiratory alterations in freshwater bivalve, Lammellidens marginalis*”, ‘International Multidisciplinary Research Journal’, 2(3): 01-03, ISSN:2231-6302, [AY 2011-2012]

28. A. V. Andhale, H. M. Pawar and S. P. Zambare (2011): “*The evaluation of Nickel Toxicity on Lammellidens marginalis*”. ‘Recent research in Science and Technology’, 3 (5):01-05, ISSN: 2076-5061 (www.recent-science.com). [AY 2011-2012]

29. A. V. Andhale and S. P. Zambare, (2011): “*Effect of Nickel Induced Biochemical alterations in freshwater Bivalve, Lammellidens marginalis*”. Journal of Eco biotechnology, 3(11):18-24, ISSN: 2077-0464, (<http://journal-ecobiotechnology.com>) [AY 2011-2012]

30. P. A. Bhosale, A. V. Andhale, and S. P. Zambare (2011): “*Biochemical Alterations in DNA content of Gill and Gonad Tissue of Corbiculla striatella due to 5-fluorouracil toxicity*”. Recent research in Science and Technology, 3 (5):73-74, ISSN: 2076-5061 (www.recent-science.com). [2011-2012]

31. A. V. Andhale, P. A. Bhosale and S. P. Zambare, (2011): “*Histopathological study of Nickel Induced Alterations in freshwater bivalve, Lammellidens marginalis*”, ‘Journal of Experimental Science’, ISSN no 2218-1768 vol. 2, issue 4, pages 01-03, JES (www.jexpsciences.com). [2011-2012]

Presentation or Participation at National and International Conferences / Symposiums / Seminars

1) Participated in the “National Seminar on Biotechnological Approaches towards the Integrated Management of Crop Diseases” organised by the Department of Botany, Dr Babasaheb Ambedkar Marathwada University, Aurangabad, (MS) India on 30th and 31st July 2014.

2) Participated in “16th All India Congress of Zoology and National Symposium on Recent Advances in Animal Research with Special Emphasis on Invertebrates” dated 21st to 13th, 2005, organised by the Department of Zoology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, (MS) India.

- 3) Participated in “**National Conference on Frontiers in Biofertilizers and Biopesticides**” dated 19th to 21st February 2006, organized by the Department of Microbiology, Dr. Babasaheb Ambedkar Marathwada University, Sub Center Osmanabad, (MS) India.
- 4) Participated in “**National Symposium on Genomics, Proteomics, and Bioinformatics**” dated 9th and 10th February 2007, organized by the Department of Biotechnology, Dr. Babasaheb Ambedkar Marathwada University, Sub Center Osmanabad, (MS) India.
- 5) Participated in UGC-sponsored regional workshop on “**Intellectual Property Rights and Patenting**” held on 23rd October 2007, organized by the Department of Microbiology, Dr. Babasaheb Ambedkar Marathwada University, Sub Center Osmanabad, and (MS) India.
- 6) Participated in the “**International Conference on Technologies for Mitigation and Their Applications in Conservation of Aquatic Ecosystems**” held from 11th to 13th December 2008, organized by the Department of Zoology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, (MS) India.
- 7) Participated in the “**State Level Seminar on Conservation of Biodiversity in Newasa Taluka-Maharashtra**” held at the Department of Zoology, Jijamata College of Science and Arts, Newasa, Ahmednagar, (MS) India during the 23rd and 24th of February 2010.
- 8) Participated in “**State Level workshop on Apiculture**” held on 2nd and 3rd February 2010 and organized by the Department of Zoology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, (MS) India.
- 9) Participated in “**National Seminar Workshop on Alternative to Animal Use in Medical and Non-Medical Studies**” held on 20th and 21st September, 2010, Department of Zoology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, (MS) India in collaboration, Switzerland and Ambo University, Ambo, Ethiopia.
- 10) Participated in the “**National Seminar on Emerging Trends in Biodiversity and Environment**” held on February 26, 2010, at the Institute of Science, Aurangabad (MS), India, and organized by the Government of Maharashtra.
- 11) Participated in a one-day national seminar on “**Higgs boson- The God Particle**” held on 1st September, 2012. organized by Abeda Inamdar Senior College, Pune.
- 12) Participated in the “**International Conference on Perspective of Computer Confluences with Science**”, organized by Nowrosjee Wadia College, Pune on 10th- 12th December 2012.
- 13) Participated in UGC Sponsored National Conference on “**Biodiversity Monitoring and Research Current Practice and Future Needs**”, organized by Deccan Education Society’s Fergusson College, Pune on 07th - 08th December 2012.
- 14) Participated and **presented a research paper**, “*Morphological data of *Chrysomya megacephala* studied to find out PMI about its forensic importance from Pune region*”; at “**UGC Sponsored National Conference on Recent Trends and Future Prospects in Life Sciences**”, organized by Mahatma Gandhi Mahavidyalaya, Ahmedpur, dist Latur, (MS) India. Dated 27th - 28th December 2012.
- 15) Participated as “**Chairperson**” in chaired session at “**UGC Sponsored National Conference on Recent Trends and Future Prospects in Life Sciences**”, organized by Mahatma Gandhi Mahavidyalaya, Ahmedpur, dist Latur, (MS) India, dated 27th - 28th December 2012.

- 16) Participated and **presented a research paper**, “*Screening study of bio-pesticide from local plant, Eucalyptus globules (Nilgiri) to control Callisobruchus maculates that contaminated the food grains*” in National Seminar on “**Recent Trends in Life Science**” on 28th and 29th January 2013, organised by Department of Botany and Zoology, Rajarshi Chhatrapati Shahu College, Kolhapur-416003 (MS) India.
- 17) Participated and **presented a research paper**, “*Screening study of bio-pesticide from a local plant, Syzygium cumini (Jambhul) to control Callisobruchus maculates that contaminated the food grains*” in UGC sponsored National conference on “**Ecostudies/Green-studies; Perspectives from Literature, Life Science and Earth Science**” on 2nd and 3rd February 2013 organized by M.S.P. Mandal’s Deogiri College, Aurangabad 431005 (M.S.) India.
- 18) Participated in BCUD-sponsored National conference on “**Interdisciplinary Approaches in Green Sciences (IAGS-2015)**” on 14th February 2015, organized by S.M. Joshi College, Hadpsar, and Pune.
- 19) Participated and **presented a research paper** orally on, “*Effect of extract of Aloe vera to control Corcyra cephalonica infestation in Rice*” in UGC sponsored National conference on, “**Recent trends in life Sciences**” on **10th and 11th July, 2015** organized by S.M. Joshi College, Hadpsar, Pune, MS, India.
- 20) Participated and **presented a research paper** orally on “*Consequences of the Vehicle Discharge on the growth of the plant, Vigna acontifolia and on Human Health*” in UGC-sponsored National Conference on “**Advances in Biosciences and Environmental Sciences: Present and Future (ABES-2015)**” on **22nd & 23rd September 2015**, organized by Department of Zoology, B. P. Arts, S.M.A. Science and K.K.C. College Chalisgaon, dist. Jalgaon, MS, India.
- 21) Participated and was **awarded 2016 Mind Education Specialist** in the ‘Mind Education Specialist Training program’ hosted by **International Mind Education Institute** held at Savitribai Phule Pune University on January 11th, 2016.
- 22) Participated in and **presented a research paper** by poster on, “*Conservation Strategy of Animals*” in a sponsored National conference on, “**Faunal Diversity: Assessment and Conservation FDAC-2016 on 22nd & 23rd January, 2016**” organized by the Department of Zoology, Modern College of Arts, Science and Commerce, Ganeshkhind, Pune, MS, India.
- 23) Participated and **presented a research paper** orally on, “*Nutritional and Phytochemical Analysis of Three Wild Edible Fruits*” at the International Conference on, “**Plant Research and Resource Management** on **11th to 13th February 2016**” organized by Tuljaram Chaturchand College of Arts, Science, and Commerce, Baramati, (M. S.) in collaboration with an academy of plant Sciences Muzaffarnagar (U.P.) India.
- 24) Participated in the BCUD-sponsored National Workshop on “**Recent Advances in Cell and Molecular Biology**”, on **5th and 6th February 2016** organized by the Department of Botany and Zoology, S. P. College, Pune (M.S.), India.
- 25) Participated and **presented a research paper** orally on, “*Effect of Vehicle Discharge on Growth of plant Vigna acontifolia and human health*” in UGC sponsored National conference on, “**Current Trends in Biodiversity and Climate Change**” on 24th and 25th February 2016 organized by Bharati Vidyapeeth, Y. M. College of Arts, Science and Commerce, Pune, (M.S), India.

- 26) Participated and **presented a research paper** orally on “*Climate Change*” in the UGC sponsored **National conference** on “**Climate Change: Assessment, Impact and its relevance to India**” on 04th and 05th February, 2016, organized by S. P. College, Pune (M.S.), India
- 27) Participated and **presented a research paper** orally on, “*Integral Inequalities for Biological Models*” in UGC sponsored **National conference** on, “**Recent Trends in Computer Science and Applications and computational Mathematics**” on 22nd and 23rd December, 2016 organized by Indira College of Commerce and Science Pune, (M.S), India.
- 28) Participated and **presented a research paper** orally on, “*Food and feeding habit of freshwater fish Catla catla from Aurangabad region*” in UGC sponsored **National conference** on, “**Current Trends in Life Sciences for rural Development**” on 30 January 2017 hosted by Rajarshi Shahu Arts, Science and Commerce and Science College Phulambri, Aurangabad (M.S), India.
- 29) Participated and **presented a research paper** orally on, *Use of Animal Alternatives in Medical and Non-Medical Colleges*” in BCUD sponsored **National conference** on, “**Animal Dissection-Need and Alternatives**” on 03rd and 04th February 2017 organized by Dr. B. N. Purandare Arts, Smt. S. G. Gupta Commerce and Gupta College Lonwala, Pune (M.S), India.
- 30) Participated and **presented a research paper** orally on, “*Effect of inorganic, organic and bio-fertilizers on physical properties of soil to harvest of Rajma*” in ISCA sponsored **National conference** on, “**Challenges in Life Sciences and Agro based Industry for Rural development**” on 21st December, organized by Arts, Commerce and Science College, Bodwad, Jalgaon (M.S), India.
- 31) Participated and **presented a research paper** orally on, “*Fish Diversity of Sanjul Lake, Aurangabad*” in ISCA sponsored **National conference** on, “**Challenges in Life Sciences and Agro based Industry for Rural development**” on 21st December, organized by Arts, Commerce and Science College, Bodwad, Jalgaon (M.S), India.
- 32) Participated and **presented a research paper** orally on, “*Effect of integrated nutrient management on chemical properties of Soil to harvest of Rajma*” in IQAC sponsored **National conference** on
- 33) Participated in “**Multi-Disciplinary Research and Practices-2020**” on 15th February 2020, organized by G. M. Vedak College of Science, Taluka, Raigad, and in collaboration with the University of Mumbai (M.S), India.
- 34) Participated and **presented a research paper** entitled, “Biodiversity study of Rotifers during Covid-19 pandemic from Bindusara Lake, Maharashtra” in the **Online One Day National Conference** on “**Circles of Covid-19 India: implications, Challenges and Remedies**”, dated 25th March 2021, organized by Sundarrao More Arts, Commerce and Science College, Poladpur dist. Raigad, Maharashtra.
- 35) Participated and **presented research paper** entitled, “Study of Fish Diversity During Covid-19” in **Two Day International Web Conference** on, “**New Vistas in Aquatic and Terrestrial Biology & Environment During Current Pandemic**” (ATBE-2021) dated, 26th & 27th March 2021 organized by Department of Zoology, R. S. S. P. Mandal's Nanasahab Y. N. Chavan Arts, Science and Commerce College, Jalgaon, MS, India
- 36) Participated in and **presented research paper** entitled, “Fish Diversity of Kava Lake Dist. Latur (M.S.) India”, in an **international conference** on the Impact of Environment on Agriculture, Health, Water Resources,

Social Life & Industrial Development”, 20th July 2021, Thursday, organized by Maharashtra Mahavidyalaya, Nilanga, Maharashtra College of Pharmacy, Nilanga & Azad Mahavidyalaya Ausa (MS) India

37) Participated and **presented a research paper** entitled, “Study of Symptoms of Covid- 19 from the Maharashtra Region” at **an international conference** on the Impact of Environment on Agriculture, Health, Water Resources, Social Life & Industrial Development”, 20th July 2021, Thursday, organized by Maharashtra Mahavidyalaya, Nilanga, Maharashtra College of Pharmacy, Nilanga & Azad Mahavidyalaya Ausa (MS) India.

38) Participated and **presented a research paper** entitled, “*Study of Physiochemical Properties of Experimental Soil and Effect of Integrated Nutrient Management on Physical and Chemical Properties of Soil while Harvesting of Phaseolus Vulgaris*”, at the **International Online Conference** on, “Sustainable and Innovative Practices in Management, Science, Technology, Humanity, and Higher Education” organized by Sundarrao More Arts, Commerce, and Science College Poladpur, Raigad (MS) India, dated 7th January 2023

39) Participated in and **presented a research paper** entitled, “*Study of Jaws and Teeth of Piaractus brachyurus*”, at the **National Conference** on, “Animal Physiology, Ecology, and Symposium on Advance Parasitology”, organized by the Department of Zoology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad dated 27th & 28th January 2023 (AY:2022-23)

40) Participated in and **presented a research paper** entitled, “**Formulation of Biopesticides from Local Plants, *Lantana camara* and *Tagetes erecta* effective for preservation *Sorghum bicolor* from the Infestation by *Sitophilus zeamais* towards sustainability of human health**”, at an **International Conference** on, “Recent Advances in Zoology- Innovations Challenges and Opportunities” organized by Department of Zoology, Osmania University, Telangana, India, dated December 20-23-2023

41) Participated in and **presented a research paper** entitled, “*To investigate the oxidative and toxic effect of Ayurvedic herbal oil (Oleo rheumy) on American cockroach (Periplaneta americana)*” at an **International Conference** on, “Exploring *Innovation in Life Sciences*” organized by Department of Botany and Zoology Anasaheb Awate Arts, Commerce and Hutatma Bahu Genu Science College, Manchar, Pune (MS) India, dated Saturday 23th March 2024.

42) Participated in and **presented a research paper** entitled, “**Consequence of Inorganic, Organic Nutrient Sources and Bio-fertilizers on Concentration Percentage and Uptake of Major Nutrients (N, P, and K) in Grains and Straw and Total of *Phaseolus vulgaris* (Rajma)**” at an **International Conference** on, “Exploring *Innovation in Life Sciences*” organized by Department of Botany and Zoology Anasaheb Awate Arts, Commerce and Hutatma Bahu Genu Science College, Manchar, Pune (MS) India, dated Saturday 23rd March 2024.

43) Participated, **Presented, and Received First Prize** for Oral presentation of a Research Paper entitled, “*Lantana Camara operative for conservation of the Sorghum bicolor, from the Infestation by Sitophilus zeamais, for the wellbeing of human health*” at the **7 th International Conference** on, Global approaches in Agricultural, Biological, Environmental and Life Sciences for Sustainable Future” held at Buddha Hall DAV College, Tribhuvan University, Katmandu Nepal during June 08-10,2024.

44) **Chaired the Session** and gave a **Lead Lecture** on the research topic, “**Antimicrobial Potential of Medicinal Plant: A Natural Approach to Microbial Control** at the “**National Seminar on Microbes for**

Sustainably Biosphere” organized by the Department of Microbiology, Yogeshwari Mahavidyala, Ambejogai, Beed, India held on 4th January 2025

45) Participated and Presented a Research paper entitled, “Evaluation of Oxidative Stress Biomarkers Apple Snail, *Pomacea canaliculate* exposed to Crystal Violet” at the National Conference on, “Recent Trends in Biological and Natural Sciences” organized by the Department of Zoology, Yogeshwari Mahavidhyalya Ambejogai in Collaboration with Thakur College of Science and Commerce Mumbai on 17th and 18th January 2025.

46) Chaired the Session and gave a Lead Lecture on the topic, “Challenges and Remedies for diabetic conduction and its wound healing process” at the National Conference on, “Recent Trends in Biological and Natural Sciences” organized by the Department of Zoology, Yogeshwari Mahavidhyalya Ambejogai in Collaboration with Thakur College of Science and Commerce Mumbai on 17th and 18th January 2025.

47) Participated, Presented, and Received First Prize for oral presentation of a Research Paper entitled, “Assessment of Antibiotic, Antibacterial and Antifungal properties of local plant, *Argemone mexicana*, at “the 8 th International Conference on, “Cutting Edge Research Innovation in Sustainable Education, Environment and Agriculture”, on 24th Feb to 26th Feb 2025, organized by ATDS, Ghaziabad U.P. and at Goa University, Goa, India

48) Worked as Chair Sessions, acted as Rapporteurs and Co-organising Secretary for “the 8 th International Conference on, “Cutting Edge Research Innovation in Sustainable Education, Environment and Agriculture”, from 24th Feb to 26th Feb 2025, organised by ATDS, Ghaziabad, U.P., and at Goa University, Goa, India

Participation in Webinar/Online Conferences

i. **Dr. Andhale A. V.** has participated in & completed UGC-sponsored short-term course in “Academic Leadership and Resource Management from 04th January to 09th January 2021, conducted by the HRDC center, Jawaharlal Nehru University New Delhi, India (AY: 2020-2021)

ii. **Dr. Andhale A. V.** has participated in and completed the **Online Five Day FDP on, “Innovations, Incubations, Start-Ups and research challenges in India”**, dated 29th June to 03rd July 2021, organized by IQAC of St. Mary’s Centenary Degree College, Secunderabad Affiliated to Osmania University (AP) India. (AY: 2020- 2021)

iii. **Dr. Andhale A. V.** has participated in and completed the **Online Three-Day FDP, “ICT Tools for Effective Teaching Learning organized by Kamla Nehru Mahavidyalaya, Nagpur (MS), India from 08th June to 10th June 2021 (AY: 2020-2021)**

iv. **Dr Andhale A. V.** has participated in a multi-disciplinary National Webinar on, “Awareness on Safeguard against Cybercrime”, 14th June 2021, organized by the Department of Social Science, VES’s Sarvajanic Arts and Commerce College, Visarwadi, Tal. Nawapur, Dist Nadurbar (MS) India (AY: 2020-2021).

v. **Dr. Andhale A. V.** has participated in the State Level Online Workshop on “Biodiversity and Sustainable Development ”, 27th May 2021, organized by the Department of Botany Rayat Shikshan Santha’s Dr Patangrao Kadam Mahavidyalaya, Ramanadnagar Burli, Tal. Pulas, dist Sangli (MS) India. (AY: 2020-21)

- vi. **Dr. A. V. Andhale** has participated in the Online International Symposium on, “Biotechnological Potential of Mushrooms: An Emerging Approach to Fight against COVID-19 organized by the Department of Biotechnology, Shri. Guru Khalsa College, Jabalpur (MP) held on 23rd and 24th May 2020. {AY: 2019-2020}
- vii. **Dr. A. V. Andhale** participated in One Day National Webinar on, “ Biodiversity Conservation and Sustainable Development organized by the Department of Zoology Eco Club, R. S. Govt. P.G. Girls College Chhindwara Madhya Pradesh held on 22nd May 2020 {AY: 2019-2020}21
- viii. **Dr. A. V. Andhale** has attended and participated in the National Level Webinar on, “Birds Connects our World " organized by the Department of Zoology, Poona College, Pune held on 9th May 2020. {AY: 2019-2020}
- ix. **Dr. A. V. Andhale** has participated in National Level Webinar on “Effective Teaching Learning & Evaluation using Learning Modal System: MOODLE " organized by Arts Science and Commerce College Baramati in association with Savitribai Phule Pune University held on 08th May 2020.
- x. **Dr. A. V. Andhale** has participated in an International Level Webinar on “Laughter Yoga”, organized by S. S. T. College of Commerce and Arts Thane (MS), held on 09th May 2020. {AY:2019-2020}
- xi. **Dr. A. V. Andhale** has participated in two National Level Webinars on “Post COVID Scenario: Challenges and Opportunities in Higher Education and Indian Economy”, organized by Annasaheb Magar Mahavidhyalya Hadpsar Pune, held on 19th to 20th May 2020. {AY: 2019-2020}
- xii. **Dr. A. V. Andhale** has participated in the National Level Webinar on “Role of WIPO in Preservation of Intellectual Property of Rights”, organized by Dayanand College of Law, held on 08/05/2020. {AY:2019-2020}
- xiii. **Dr. A. V. Andhale** has participated in the National Level webinar on, “Towards Excellence in Higher Education 21st Century: challenges and opportunities. At S. S. T. College of Commerce and Arts Thane (MS), held on 10th May 2020. {AY: 2019- 2020}
- xiv. **Dr. A. V. Andhale** has participated in the National Level Webinar on, “e-Content Development Webinar”, organized by the Research Center for English Language and Literature on 10th April 2020 at www.vishwanatbite.com{AY:2019-2020}

Details of Publications				
Total No of Research Published	Level of publications in journals		Conference Proceeding	Referred Peer-Reviewed/Scopus/Web of Science
	National	International		
32	03	27	02	18
Details of Conferences /Seminars/ Symposium / Lead lecture				
Total No Participations	National	International	Number of Research Papers presented/ Lead Lectures/ chaired sessions	
50	34	16	45	

M. Sc. Research Project completed under the supervision of Dr A. V. Andhale

Sr. No.	A/Y	Title of the M.Sc. Research Projects	Student's Name
1.	2025-26	<i>Modern and Sustainable Aspects of Medicinal Properties of Argemone maxicana and Aegle marmelos</i>	Amar Malusare
2.	2025-26	<i>In Vivo and In Vitro Evaluations of Medicinal Properties of Butea monosperma</i>	Yamini Jaykar
3.	2025-26	<i>Screening of Medicinal Properties and Biopesticide Formulation of Tridax procumbence and Bauhinia racemosa</i>	Sayli Ajiwar
4.	2025-26	<i>Characterisation of Novel Medicinal and Biopesticide Properties of Plant Psidium guajava and Curcuma amaja</i>	Sanskriti Chidrawar
5.	2025-26	<i>Evaluate the Characterisation of Argemone maxicana and Aegle marmelos</i>	Amar Malusare
6.	2025-26	<i>Screening of the Characterisation of Butea monosperma</i>	Yamini Jaykar
7.	2025-26	<i>Sustainable Packing Solutions: Assessing the Efficiency of Biodegradable Films in Preserving Fresh Produce Quality.</i>	Gayatri Late
8.	2025-26	<i>“Phytochemical Analysis of Azadiracta indica for Medicinal Properties”</i>	Gayatri Late
9.	2025-26	<i>Design and Evaluation of Cost-Effective Filtration Column for Water Remediation</i>	Janhavi Dharamthok
10.	2025-26	<i>Molecular Docking of Conjugated Linoleic Acid (CLA), Short-Chain Fatty Acids (SCFAs), and Gamma-Linolenic Acid (GLA) to Arrest Breast, Colon, and Cardiovascular Cancer.</i>	Janhavi Dharamthok
11.	2025-26	<i>Screening of Natural Degradable Dye from Hibiscus rosa-sinensis, Curcuma longa and Mangifera indica</i>	Swapna Pawale
12.	2025-26	<i>“Screening of Characterisations for Medicinal Assets of Azardirachta indica and Mentha Piperita”</i>	Dnyaneshwari Katake
13.	2025-26	<i>Isolation and Screening of Urease-Producing Bacteria from Vegetable Waste</i>	Prachi Raut
14.	2024-25	<i>Study of Probiotic Properties and Their Application for Chocolate Preparation</i>	Jaya Mishra
15.	2024-25	<i>Isolation and Screening of Biosurfactant-Producing Microorganisms from Petrol and Diesel Contaminated Soil</i>	Gourav Kand
16.	2024-25	<i>Isolation, Identification and Study of Antibiotic Resistance of Bacterial Species from Poultry Faecal Sample</i>	Gourav Kand
17.	2024-25	<i>Evaluation of Combined Herbal Extract for its Characteristics and its Medicinal Properties</i>	Anushka Dev
18.	2023-24	<i>“Screening of Antidiabetic Properties from Ayurvedic Plant Argemone maxicana”</i>	Shreenidhi Sayam
19.	2022-23	<i>Preliminary Survey of Snake Awareness in Khed Taluka in Pune, Maharashtra</i>	Karan Kharat
20.	2022-23	<i>Checklist of Snakes Found in Maval Taluka, Pune, Maharashtra, India</i>	.Jigar Solanki
21.	2021-22	<i>Consequences of Organic and Inorganic Fertilisers on the Growth of Trigonella foenum to Reduce Chemical Burden in the Soil</i>	Nisha Mishra

22.	2021-22	<i>Screening of Bio-pesticides from Local Plants Lantana camara and Tagetes erecta for preservation of Sorghum bicolor from the Infestation of Sitophilus zeamais</i>	Pooja B. Avare
23.	2021-22	<i>Screening of Diabetic and Non-Diabetic Patients by Age Group in a Random Survey.</i>	Prachi Sanas
24.	2020-21	<i>Infectious Disease and Vaccination of COVID-19</i>	Monica Aigole
25.	2020-21	<i>Study of Freshwater Fish Diversity of Kava Lake Dist Latur, (M.S.), India</i>	Priya Dhanve
26.	2020-21	<i>A Study of Symptoms of COVID-19 from the Maharashtra Region</i>	Shweta Bhosale
27.	2013-14	<i>To Study the Effect of Vehicle Discharge on the Growth of Plant Vigna aconitifolia and on Human Health</i>	Desh Ratan Pandey
28.	2013-14	<i>Study of Screening for Bio-Pesticides from Local Plant Aloe vera to Control Corcyra cephalonica (Rice Moth) Infestation in Rice</i>	Ashvini Pawar
29.	2011-12	<i>Study of Chrysomya megacephala in reference to its Forensic Importance from the Pune Region.</i>	Mrs. Vinita Phadtare-Deshmukh
30.	2011-12	<i>Screening for Bio-Pesticides from Local Plants to Control Callosobruchus Species Infestation in Vigna aconitifolia (Mataki) and Vigna radiata (Mung)</i>	Ms. Mukta Bandal

ACHIEVEMENTS & PROFESSIONAL DEVELOPMENT

•Academic/ Institutional contribution:

Role of work in different Examinations

- S. Y. B. Sc. **Chairman for examination** by Savitribai Phule Pune University in the Pune region
- T. Y. B. Sc. **Chairman for examination** by Savitribai Phule Pune University in the Pune region
- Examiner as External and Internal** for UG and PG examination College and University level
- MTSE coordinator for district
- Viewer for B.Ed. and L.L.B. Entrance Examination
- Supervisions and Assessment of University and college examinations

•Role in different Academic Committees

- NEP Nodal Officer of NEP Committee for NWC
- Member of the college's different Committees like Admission, discipline, UGC, Cultural, etc.
- BOS Chairman, Biotechnology NWC
- BOS member of Zoology at the College and University level
- Member of the Advisory Committee of NSS
- Member of LIC of Savitribai Phule Pune University Pune
- Member of ATDS, GZB, UP

• **Professional Development/Orientation/Refresher/FOP Courses attended:**

1. Participated in Faculty Development Programme on “National Education Policy-2020” Organized by PMMMTTC and Savitribai Phule Pune University Pune, Maharashtra 2026
2. **RC:** Completed the online “**Two-week Refresher Course in Zoology**”, from 28th November to 12th December 2022, with **Grade- “A”**, conducted by Teaching Learning Centre, Ramanujan College, University of Delhi, (AY: 2022-23)
3. **STC:** Participated in UGC sponsored and completed “**Short Term Course in Academic Leadership and Resource Management**”, from 4th January, 2021 to 9 th January, 2021, conducted by JNU, Delhi. (A.Y. 2020-2021)
4. **STC:** Participated and completed “Short Term E-Course on Applied Zoology”, organised by Baburaso Patil College of Arts and Science, Angar, Tq. Mohol, Solapur, held from **29th April 2020 to 03rd May 2020**, {A.Y. 2019-2020}.
5. **STC/FD:** Completed a two-week faculty Programme on “Managing Online Classes and Co-Creating MOOCS”, conducted by the Teaching Learning Centre, Ramanujan College, University of Delhi & sponsored by MHRD, from April 20th to May 06th 2020 {A.Y. 2019-2020}.
6. Participated, completed and obtained a ‘**B**’-Grade in UGC sponsored “**Refresher Course on, Recent Innovative Trends of Nono materials in Chemical, Biological and Physical Sciences**”, dated 04th October to **24th October 2018**, held at P. E. Society’s Modern College of Arts, Science and Commerce, Shivajinagar, Pune.
7. Participated and completed the UGC-HRD sponsored “**One Week Training**
8. **Programme of Microsoft Digital Innovation Lab**” held from 28/09/2015 to 03/10/2015 at **Ness Wadia College of Commerce, Pune**.
9. Participated, completed and obtained an ‘**A+** ’ Grade in the “**20th Refresher Course in Environmental Sciences**”, dated 06/04/2015 to 01/05/2015, held at UGC- Academic Staff College, **Jawaharlal Nehru University, New Delhi**.
10. Participated, completed and obtained an ‘**A**’ Grade in the “**155th Orientation Programme**” dated 03/12/2014 to 30/12/2014 held at UGC-Academic Staff College, **Savitribai Phule Pune University (MS)**.
11. Participated, completed and obtained an ‘**A**’ Grade in the “**Special Summer School Programme**” dated 23rd July to 11th August 2012 held at UGC-Academic Staff College, **Dr Babasaheb Ambedkar Marathwada University, Aurangabad / Chatrpati Sambhajinagar (MS)**.

Summery of C.V. of Prof. Dr. Atmaram Vitthal Andhale

Designation: Professor, Department of Zoology,
Head of the Department of Biotechnology
M. E. S.'s Nowrosjee Wadia College, Pune

Education: Ph. D. in Zoology (Molecular Biotechnology) (2011)
M. Phil in Zoology (Animal Physiology) (2009)
M. Sc Zoology (2005)
M. Sc Biotechnology (2003)
B. Sc. Microbiology, Zoology and Chemistry (2000)

Awards: Award received at the international: **05**
Award received at the national Level: **02**
Award received at the state and college levels: **03**

Research Guide: M Sc. Projects, M.Phil. and Ph.D. Research Guide
30 students completed M.Sc. Project under Guidance

Publications: (excluding Ph. D. Research) **in the National & International Level**
UGC Care Listed Journals = 16
Peer Reviewed Refereed Journals = 07
National Conference proceeding Book = 02
International conference proceeding Book = 2
Other online International Journals = 07
Total publications: 32

International, National & State Conferences/Seminars/Symposiums:
45 Research Articles Presented in different International/National level
50 Participations different International/National level

FDP: Orientation Course = **01**
Refresher Course = **05**
Short Term Course = **03**

Experience: Teaching UG and PG (Approved by SPPU) = 15 Years
Teaching UG and PG (Non-Approved affiliated to BAMU) = 05 Years
Research Experience excluding PhD = 15 Years
As Chemist = 1 Year

Total Teaching Experience: 20 Years

DECLARATION

I, **Dr Atmaram Vitthal Andhale**, Professor in Zoology, Head Department of Biotechnology, Nowrosjee Wadia College, Pune, undertake that the information provided is correct as per records submitted by me to the College / University and/or documents enclosed along with the duly filled.

Dr. Atmaram Vitthal Andhale
Professor, Department of Zoology
HOD, Department of Biotechnology
MES's Nowrosjee Wadia College Pune