



**Dr. Andhale Atmaram Vitthal**  
**H.O.D.**

**Department of Biotechnology**  
Associate Professor, Department of  
Zoology, MES's Nowrosjee Wadia  
College of Arts and Science, Pune

**Email Address:**

atmabiotech@gmail.com  
avandhale@nowrosjeewadacollege.edu.in  
hod\_biotech@nowrosjeewadacollege.edu.in

**Mobile No:** 9421676011

**Corresponding Address:**

Dr A. V. Andhale,  
**H.O.D.**  
Department of Biotechnology,  
M.E.S.'s. Nowrosjee Wadia College  
of Arts and Science, Pune-410001

**Personal Details:**

**Date of Birth** : 14<sup>th</sup> Oct. 1981

**Blood Group** : AB<sup>+</sup>Ve

**Gender** : Male

**Father's Occupation:** Farmer.

**Hobby** : Reading Mythological  
Books, Travelling.

**Language Known:** Marathi, Hindi  
& English.

**Curriculum Vitae of Dr. A. V. Andhale**

**Designation:**

Head Department of Biotechnology,  
Associate Professor, Department of Zoology,  
Modern Education Society's Nowrosjee Wadia College, Pune

**Job Profile**

Associate Professor,  
**H.O.D. Department of Biotechnology, MES's NWC**  
Pune. (Academic Leader with a research approach based on  
Resource Management Utilization).

**Educational Background**

**Ph. D.** In Zoology (**Molecular Biotechnology**): 26<sup>th</sup> February,  
2011, Dr BAMU Aurangabad (MS), India

**M. Phil.** In Zoology (**Animal Physiology**) (2009)

**M.Sc. Zoology** (**Specialization: Parasitology**):

With 65.16% (**First division**), from the Dept. of Zoology, Dr.  
B.A.M. University Aurangabad, (M.S.), India, in July 2005.

**M.Sc. Biotechnology** (**Specialization Genetics & MolBio.**)

With 60.75% (**First Division**), from Mahyco Research  
Foundation Trust's B.B. College, Jalna, Dr. B.A.M.U.,  
Aurangabad in 2003. Dr BAMU Aurangabad (MS) India

**B.Sc.** (**Microbiology, Chemistry & Zoology**):

With 58.86% (**Second division**), from Devgiri College,  
Aurangabad, in June 2001. Dr BAMU Aurangabad (MS) India

**H.S.C. (Science in General Group)**

With 54.33% (**Second division**), from the Aurangabad  
Divisional Board. (K. Mahavidyalaya, Ambejogai.), in March  
1998. **S.S.C.** with 45.67% (**Second division**) from Pune Board  
(Maharashtra Military School, Thane.), in March 1996.

**Computer Literacy:** MS-CIT passed with 72%.

### **Topic of M. Phil.**

*“Effect of Nickel induced physiological alteration in freshwater Bivalve, Lamellidens marginalis”*

### **Topic of Ph.D.**

*“Characteristics of ECM from Liver of some Mammals with special reference to its importance in Wound Dressing”*

### **Area of Research Interest**

1. Animal Physiology
2. Medical Sciences
3. Forensic Science
4. Argo Biotechnology

### **Hands On:**

- Chromatography
- Electrophoresis.
- Tissue culture
- Animal dissections or their handling.
- Microtomy
- Basic Microbiological techniques.
- Molecular Technique.
- Tissue Culture

## **Awards:**

### **International Awards:**

1. “**Excellence Academician Scientist Award-2025**”, Received on the occasion of **08<sup>th</sup> International Conference** on “Cutting Edge-Research Innovation in Sustainable Education, Environment & Agriculture (CRISEA-2025), at **Goa University, Goa**
2. **Received First Prize** for Oral presentation of a Research Paper at the **08<sup>th</sup> International Conference** on “Cutting Edge-Research Innovation in Sustainable Education, Environment & Agriculture (CRISEA-2025), at **Goa University, Goa**
3. Recipient of “**Global Excellence Research Award-2024**” on the occasion of **the 7<sup>th</sup> International Conference** on Global Approaches in Agricultural, Biological, Environmental and Life Sciences for Sustainable Future, **Kathmandu, Nepal.**
4. Received **First Prize** for Oral presentation of a Research Paper at **the 7<sup>th</sup> International Conference** on Global Approaches in Agricultural, Biological, Environmental and Life Sciences for Sustainable Future, **Kathmandu, Nepal.**
5. **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

### Research Dedications

1. M. Sc. Project Guided = 15
2. R. P. Publications = 30
3. R. P. Presented = 28
4. Participation in Commences/  
Symposium/ Seminars = 50

**Patent** = 01

### F.D. Programmes

- Orientation Course = 01
- Refresher Course = 05
- Short Term Course = 03

### Teaching & Research Experience

1. UG/PG Granted = 14 years
2. UG/PG Non-Grant = 5 years
3. ITL (as an analyst) = 01 year

**Awards for Excellence** = 10

### Awards:

#### National and State Awards:

6. Received **“National Swami Vivekanand Educational Award-2022”**, by Surjan Vangmay Parishad, Bhopal (MP), India on 10<sup>th</sup> December 2022.

7. **“Ideal Teacher Award”** by Bharat Ratan Molana Azad Social, Education and Sports Association, on Teacher’s Day, 5<sup>th</sup> September 2023

8. Received the **“Special Recognition Award”** for Research Excellence, on the occasion of Gymkhana Day 2025, by MES’s Nowrosjee Wadia College, Pune

9. Received the **“M. Gokhale Award”** for Academic Excellence, on the occasion of the Scholars Day-2025, by MES’s Nowrosjee Wadia College, Pune

10. Secured **First Prize for Oral Presentation** of a Research Paper at **National Conference** on “Recent Trends and prospects in Life sciences” from 27<sup>th</sup> to 28<sup>th</sup> December 2012, organized by **Mahtma Gandhi Mahavidyalaya, Ahmedpur (MS), India**

11.

12.

❖ **Granted a Patent with No. 563206:** “A method for harvesting decellularized extracellular matrix from animal liver tissues and applications thereof”, dated 21/032025

### **Recognitions:**

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

### **Experience**

- Worked as an Analyst at Govt. ITL, Pune. (7th June 2003-30<sup>th</sup> Dec. 2004) during this period, I analyzed 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) as a permanent post.

### **Instruments Known**

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

### **Faculty Development Programs:**

- **Dr. A. V. Andhale** has participated, completed and obtained 'A' Grade in, "Special Summer School Programme" dated 23<sup>rd</sup> July to 11<sup>th</sup> August 2012 held at UGC-Academic Staff College, **Dr. Babasaheb Ambedkar Marathwada University Aurangabad (MS)**.
- **Dr. A. V. Andhale** has participated, completed and obtained 'A' Grade in, "155<sup>th</sup> Orientation Programme" dated 03/12/2014 to 30/12/2014 held at UGC-Academic Staff College, **Savitribai Phule Pune University (MS)**.
- **Dr. A. V. Andhale** has participated, completed and obtained 'A+' Grade in, "20<sup>th</sup> Refresher Course in Environmental Sciences", dated 06/04/2015 to 01/05/2015 held at UGC- Academic Staff College, **Jawaharlal Nehru University, New Delhi**.
- **Dr. A. V. Andhale** has participated and completed UGC-HRD sponsored, "One Week Training Programme of Microsoft Digital Innovation Lab" held from 28/09/2015 to 03/10/2015 at **Ness Wadia College of Commerce, Pune**.
- **Dr. A. V. Andhale** has participated, completed and obtained 'B'-Grade in, UGC sponsored **Refresher Course on "Recent Innovative Trends of Nonomaterials in Chemical, Biological and Physical Sciences"**, dated 04<sup>th</sup> October to 24<sup>th</sup> October 2018 held at P. E. Society's Modern College of Arts, Science and Commerce Shivajinagar, Pune.
- **STC/RC: Dr. A. V. Andhale** of Nowrosjee Wadia College, Pune successfully completed two week faculty Programme on, "Managing Online Classes and Co-Creating MOOCS", conducted by Teaching Learning Center, **Ramanujan College, University of Delhi & sponsored by MHRD, from April 20<sup>th</sup> to May 06<sup>th</sup> 2020 {A.Y. 2019-2020}**.
- **STC: Dr. A. V. Andhale** of Nowrosjee Wadia College, Pune participated and successfully completed "Short Term E-Course on Applied Zoology", organized by Baburaso Patil College of Arts and Science Angar, Tq. Mohol, Solapur, held from 29<sup>th</sup> April 2020 to 03<sup>rd</sup> May 2020, {A.Y. 2019-2020}.

- **STC: Dr. A. V. Andhale** of Nowrosjee Wadia College, Pune has participated in UGC sponsored and successfully completed “**Short Term Coerce in, “Academic Leadership and Resource Management”**”, from 4<sup>th</sup> January, 2021 to 9<sup>th</sup> January, 2021 conducted by JNU, Delhi. (A.Y. 2020-2021)
- **RC: Dr. Atmaram Vitthal Andhale** has completed the online, “**Two-week Refresher Course in Zoology**”, from 28<sup>th</sup> November to 12<sup>th</sup> December 2022 with **Grade- “A”** conducted by Teaching Learning Center, Ramanujan College University of Delhi, (A.Y. 2022-23)

### 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

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

- 1) **Research Project (2011-2012): Title:** “*Screening for bio-pesticides from local plants to control Callosobruchus sp. infestation in Vigna aconitifolia (Mataki) and Vigna radiata (Mung)*”, by student Miss Mukata V Bandal
- 2) **Research Project (2011-2012): Title:** “*Study of Chrysoma megacephala in reference to its importance from Pune region*”, by student: Miss Vinita K Deshmukh
- 3) **Research Project (2013-2014): Title:** “*To Study the Effect of Vehicle Discharge on Growth of Plant, Vigna aconitifolia*”, by Student Name: Mr. Deshratan Pande
- 4) **Research Project (2013-2014): Title:** “*To study screening of Biopesticide from local plant, Aloe vera, to control Corcyra cephalonica (Rice Moth) infestation in rice*”, by Student: Miss Ashwini Pawar

- 5) **Research Project (2020-2021): Title:** *“Infectious disease and vaccination of COVID-19”*, by Student Name: Miss Monica M Aigole
- 6) **Research Project (2020-2021) Title:** *“Study of freshwater fish diversity of Kava Lake district, Latur, (M.S), India”*, by Student: Miss Priya V Dhanve
- 7) **Research Project (2020-2021) Title:** *“A study of symptoms of COVID-19 from the Maharashtra region”*, by Student Name: Miss. Shweta P Bhosale
- 8) **Research Project (2021-2022):Title:** *“Consequences of Organic and Inorganic Fertilizers on Growth of Trigonella foenum to Reduce chemical burden in the Soil”*, by Student Name: Miss. Nisha Mishra
- 9) **Research Project (2021-2022): Title:** *“Screening of Diabetic and Non-Diabetic Patients about their Different Age Groups by Random Survey”*, by Student Name: Miss. Prachi Sanas
- 10) **Research Project (2021-2022) Title:** *“Screening of Bio-pesticides from Local Plants Lantana camara and Tagetes erecta for preservation of Sorghum bicolor from the Infestation of Sitophilus zeamais”* by Student Name: Miss. Pooja B. Avare
- 11) **Research Project (2022-2023) Title:** *“Checklist of Snakes found in Maval Taluka, Pune, Maharashtra, India”* by Student Name: Mr. Jigar Manoj Solanki
- 12) **Research Project (2022-2023) Title:** *“Preliminary Survey of Snake awareness in Khed Taluka”* by Student Name: Mr. Karan Hanumant Kharat
- 13) **Research Project Title:** Student Name: Miss. **Shreendhi AY** (2023-2024)
- 14) **Research Project (2024-2025) Title:** *“Study of probiotics properties and their applications for Chocolate preparations”*, by Student Name: Miss. Jaya Mishra
- 15) **Research Project (2024-2025) Title:** *“Isolation, identification, and Study of Antibiotic Resistance of bacterial Species from Poultry Fecal Samples”* by Student, Mr. Gourav Kand
- 16) **Research Project (2024-2025) Title:** *“Evaluations of combined herbal extract for its characteristics and medicinal properties”* by Miss Anushka Dev

## Research Papers Publications: National / International Journals / Proceedings Books

1. 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](http://www.jexpsciences.com)).
2. 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-florouracil toxicity*". **Recent research in Science and Technology**, 3 (5):73-74, ISSN: 2076-5061 ([www.recent-science.com](http://www.recent-science.com)).
3. A. V. Andhale and S. P. Zambare, (2011): "*Effect of Nickel Induced Biochemical alterations in freshwater Bivalve, Lammellidens marginalis*". **Journal of Ecobiotechnology**, 3(11):18-24, ISSN: 2077-0464, (<http://journal-ecobiotechnology.com>).
4. 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](http://www.recent-science.com)).
5. 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, (<http://irjs.info/>)
6. Andhale A. V., (2012): "*Morphological data of Chrysomya megacephala studied to find out PMI in reference to its forensic importance from Pune region*" Proceeding of National Conference on, **Recent Trends and Future Prospects in Life Sciences** 27<sup>th</sup> and 28<sup>th</sup> December 2012;, p.no.238-246, with ISBN 978-81-924894-3-8. Edited by Dr. R. M. Kadam is organized by the Department of Botany, MGM, Ahmedpur (MS) India.
7. 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](http://www.worldjournalofscience.com)
8. 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/>

9. Andhale A.V. (2015), "*Effect of extract of Aloe vera to control Corcyra cephalonica (Rice-moth) infestation in rice*", in **UGC National Conference Proceeding Book with ISBN no 978-93-5235-362-0** page no from 67 to 74 of on, "Recent Trends in Life Sciences" organized by S.M. Joshi College, Hadpsar, Pune .(M. S.) India on 10<sup>th</sup> and 11<sup>th</sup> July 2015, (AY:2015-16)
10. Valvi S. R., Jadhav V. D., Gadekar S. S. and Andhale A. V. (2016): "*Nutritional and Phytochemical Analysis of three Wild Edible Fruits*", in **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 11<sup>th</sup> -13<sup>th</sup> February 2016. {AY: 2015-16}
11. Gedam Ajit K, Phulwade Durgesh N & Andhale A. V. (2017): "*Food and feeding Habits of freshwater fish Catla catla from Aurangabad region (MS) India*" in, "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: 2017-18)
12. 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 **Peer Reviewed** Journal of Life Sciences, 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: 2019-20}
13. 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:2019-20}
14. A. V. Andhale<sup>1</sup> and S. P. Chate<sup>2</sup> and S.R. Valvi<sup>3</sup> (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: 2019-20}

15. S.R.Valvi<sup>1</sup> and A.V. Andhale<sup>2</sup> (2020): "Aerobiological Studies of *Tagetes Erecta* Crop" in '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:2019-20}
16. A. V. Andhale<sup>1</sup> and Gunwati V. Arak<sup>2</sup> :(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:2019-20}
17. A. V. Andhale<sup>1</sup> and S. P. Chate<sup>2</sup> :(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:2019-20)
18. A. V. Andhale (2021): "Biodiversity study of Rotifers during Covid-19 pandemic from Bindusara Lake, Maharashtra", **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](http://www.sjifactor.com)) (AY: 2020-21)
19. 1\* Andhale Atmaram V and Phulwade Durgesh N (2021): "Study of Fresh Water Fish Diversity of Dondwadi Dam at Borna River, Tq. Parli Vaijnath dist. Beed (MS) India" in **International Journal for Innovative Research in Multidisciplinary Field Peer Review Referred**, **Index Journal IC Value: 86.87**, ISSN 2455-0620, & **Impact Factor 6.719**, dated 31/03/2021 page no 221-223 available at [www.ijirmf.com](http://www.ijirmf.com) (AY: 2020-21)
20. 1\*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 102-104 (AY: 2020-2021)
21. 1\*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 105-108, (AY: 2020-2021)
22. Atmaram V Andhale (2022): "Formulation of the Leaves Extract of *Syzygium cumini* (Jambul) targets to *Callosobruchus maculatus* so as to Reserve the Food Grains", in, "International Journal of Entomology Research", Volume 7, Issue III page no 118-125,

With ISSN No 2455-4758 and Impact Factor RJIF: 8, UGC Care Listed-II, Web of Science ([www.entomologyjournals.com](http://www.entomologyjournals.com)) (AY: 2021-2022)

23. 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 ([www.entomologyjournals.com](http://www.entomologyjournals.com)) (AY: 2021-2022)
24. . Solanki Jigar, Rounak Khare &Andhale Atmaram Vitthal\* (2022): "Checklist of Snakes Found In Maval Taluka, Pune, Maharashtra, India", "Checklist of Snakes Found In Maval Taluka, Pune, Maharashtra, India, 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 Web of Science; Index Copernicus, Chemical Abstracts Service (CAS), UGC-CARE-II (AY: 2022-23)
25. Atmaram Vitthal Andhale<sup>1\*</sup>, S. P. Chate<sup>2</sup>: (2023-24), "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
26. Sangeeta Sinha, Atmaram Vitthal Andhale<sup>1</sup> : (2024), " To Examine the Oxidative and Toxic Effect of Oleo Rheumea (ayurvedic herbal oil) on *Periplanta americana* (American Cockroach)", International Journal of Entomology Research, Indexing in Web of Science ISSN:2455-4758, Volume 9, Issue 10, 2024, page no 157-163 [www.entomologyjournals.com](http://www.entomologyjournals.com)
27. Atmaram Vitthal Andhale\*: (2024) "Screening of Antidiabetic, Antibacterial and Antifungal Properties of the local plant, *Argemone mexicana*", Afr. J. Biomed. Res. ISSN:1119-096, Vol. 27(December 2024); 01-14 Index in Scopus and Web of Science- Zoological record
28. 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 *Phseiolus vulgrius*" International Journal of Natural Sciences, ISSN no 0976-0997, Vol.15 / Issue18 / Feb / 2025 / pp 87423-87431, [www.tnsroindia.org.in](http://www.tnsroindia.org.in)©IJONS
29. Atmaram Vitthal Andhale and S. P. Chate (2025) "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)" Advs. Bioresearch, Special issue 1 2025: 22-28

### **Presentation or Participations at National and International Conferences / Symposiums / Seminars**

- 1) Participated in the “**National Seminar on Biotechnological Approaches towards the Integrated Management of Crop Diseases**” organized by the Department of Botany, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, (MS) India on 30<sup>th</sup> and 31<sup>st</sup> July 2014.
- 2) Participated in “**16<sup>th</sup> All India Congress of Zoology and National Symposium on Recent Advances in Animal Research with Special Emphasis on Invertebrates**” dated 21<sup>st</sup> to 13<sup>th</sup>, 2005, organized 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 19<sup>th</sup> to 21<sup>st</sup> 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 9<sup>th</sup> and 10<sup>th</sup> 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 23<sup>rd</sup> 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 11<sup>th</sup> to 13<sup>th</sup> 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 23<sup>rd</sup> and 24<sup>th</sup> of February 2010.

- 8) Participated in **“State Level workshop on Apiculture”** held on 2<sup>nd</sup> and 3<sup>rd</sup> 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 20<sup>th</sup> and 21<sup>st</sup> 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 1<sup>st</sup> 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 10<sup>th</sup>-12<sup>th</sup> 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 07<sup>th</sup>- 08<sup>th</sup> 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 27<sup>th</sup>- 28<sup>th</sup> 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 27<sup>th</sup>- 28<sup>th</sup> 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 28<sup>th</sup> and 29<sup>th</sup> January 2013, organized 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 “**Eco-studies/Green-studies; Perspectives from Literature, Life Science and Earth Science**” on 2<sup>nd</sup> and 3<sup>rd</sup> 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 14<sup>th</sup> 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 **10<sup>th</sup> and 11<sup>th</sup> 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 **22<sup>nd</sup> & 23<sup>rd</sup> 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 11<sup>th</sup>, 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 **22<sup>nd</sup> & 23<sup>rd</sup> 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 **11<sup>th</sup> to 13<sup>th</sup> 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 **5<sup>th</sup> and 6<sup>th</sup> 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 24<sup>th</sup> and 25<sup>th</sup> 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 04<sup>th</sup> and 05<sup>th</sup> 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 22<sup>nd</sup> and 23<sup>rd</sup> 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 catala 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 Altranatives**” on 03<sup>rd</sup> and 04<sup>th</sup> 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 21<sup>st</sup> 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 21<sup>st</sup> 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 15<sup>th</sup> 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 research paper](#) entitled, “Biodiversity study of Rotifers during Covid-19 pandemic from Bindusara Lake, Maharashtra” in online **One Day National Conference** on, “**Circes of covid-19 India: implications, Challenges and Remedies**”, dated 25<sup>th</sup> March 2021, organized by Sundarrao More Arts, Commerce and Science College Poladpur dist. Raigad, Maharashtra
- 35) Participated and [presented research paper](#) entitled, “Biodiversity study of Rotifers during Covid-19 pandemic from Bindusara Lake, Maharashtra” in **Online One Day National Conference** on, “**Circes of covid-19 India: implications, Challenges and Remedies**”, dated 25<sup>th</sup> March 2021, organized by Sundarrao More Arts, Commerce and Science College Poladpur dist. Raigad, Maharashtra.
- 36) 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, 26<sup>th</sup> & 27<sup>th</sup> March 2021 organized by Department of Zoology, R. S. S. P. Mandal’s Nanasaheb Y. N. Chavan Arts, Science and Commerce College, Jalgaon, MS, India
- 37) 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”, 20<sup>th</sup> 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 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”, 20<sup>th</sup> July 2021, Thursday, organized by Maharashtra Mahavidyalaya,



Nilanga, Maharashtra College of Pharmacy, Nilanga & Azad Mahavidyalaya Ausa (MS) India.

- 39) 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 7<sup>th</sup> January 2023
- 40) Participated in and [presented a research paper](#) entitled, “*Study of Jaws and Teeth of Piaractus brachyrous*”, 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 27<sup>th</sup> & 28<sup>th</sup> January 2023 (AY:2022-23)
- 41) Participated in and [presented a research paper](#) entitled, “**Formulation of Bio-pesticides 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
- 42) 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 23<sup>th</sup> March 2024.
- 43) 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 23<sup>rd</sup> March 2024.

- 44) 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<sup>th</sup> 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.
- 45) **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 Sustainable Biosphere**” organized by the Department of Microbiology, Yogeshwari Mahavidyala, Ambejogai, Beed, India held on 4<sup>th</sup> January 2025
- 46) 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 17<sup>th</sup> and 18<sup>th</sup> January 2025.
- 47) **Chaired the Session** and gave a **Lead Lecture on the topic**, “Challenges and Remedies for diabetic conductions 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 17<sup>th</sup> and 18<sup>th</sup> January 2025.
- 48) Participated, **Presented, and Received First Prize for oral presentation** of a **Research Paper** entitled, “Assessment of Antibiotic, Antibacterial and Antifungal properties of local plant, *Argimon maxicana*, at “**the 8<sup>th</sup> International Conference** on, “Cutting Edge Research Innovation in Sustainable Education, Environment and Agriculture”, on 24<sup>th</sup> Feb to 26<sup>th</sup> Feb 2025, organized by ATDS, Ghaziabad U.P. and at **Goa University, Goa, India**
- 49) Worked as **Chaired Sessions, acted as Rapporteurs and Co-organizing Secretary** for “**the 8<sup>th</sup> International Conference** on, “Cutting Edge Research Innovation in Sustainable Education, Environment and Agriculture”, from 24<sup>th</sup> Feb to 26<sup>th</sup> Feb 2025, organized by ATDS, Ghaziabad U.P. and at **Goa University, Goa, India**

## Participation in Webinar/Online Conferences

- i. **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 10<sup>th</sup> April 2020 at [www.vishwanatbite.com](http://www.vishwanatbite.com){**AY:2019-2020**}
- ii. **Dr. A. V. Andhale** has participated in the National Level webinar on, “Towards Excellence in Higher Education 21<sup>st</sup> Century: challenges and opportunities. At S. S. T. College of Commerce and Arts Thane (MS), held on 10th May 2020. {**A.Y. = 2019-2020**}
- iii. **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**}
- iv. **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 19<sup>th</sup> to 20<sup>th</sup> May 2020. {**AY: 2019-2020**}
- v. **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 09<sup>th</sup> May 2020. {**AY:2019-2020**}
- vi. **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 08<sup>th</sup> May 2020.
- vii. **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 9<sup>th</sup> May 2020. {**AY: 2019-2020**}
- viii. **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 22<sup>nd</sup> May 2020 {**AY: 2019-2020**}
- ix. **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 23<sup>rd</sup> and 24<sup>th</sup> May 2020. {AY: 2019-2020}

- x. **Dr. Andhale A. V.** has participated in the State Level Online Workshop on “Biodiversity and Sustainable Development”, 27<sup>th</sup> 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)
- xi. **Dr Andhale A. V.** has participated in a multi-disciplinary National Webinar on, “Awareness on Safeguard against Cybercrime”, 14<sup>th</sup> June 2021, organized by the Department of Social Science, VES’s Sarvajanik Arts and Commerce College, Visarwadi, Tal. Nawapur, Dist Nadurbar (MS) India (AY: 2020-21).
- xii. **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 08<sup>th</sup> June to 10<sup>th</sup> June 2021 (AY: 2020-21)
- xiii. **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 29<sup>th</sup> June to 03<sup>rd</sup> July 2021, organized by IQAC of St. Mary’s Centenary Degree College, Secunderabad Affiliated to Osmania University (AP) India. (AY: 2020-21)
- xiv. **Dr. Andhale A. V.** has participated in & completed **UGC-sponsored short-term course in “Academic Leadership and Resource Management from 04<sup>th</sup> January to 9<sup>th</sup> January 2021,** conducted by the HRDC center, Jawaharlal Nehru University New Delhi, India (AY: 2020-21)

## **Role of work in different Examinations**

- i. S. Y. B. Sc. Chairman for examination by Savitribai Phule Pune University in the Pune region
- ii. T. Y. B. Sc. Chairman for examination by Savitribai Phule Pune University in the Pune region
- iii. Examiner as External and Internal for UG and PG examination
- iv. MTSE coordinator for district
- v. Viewer for B.Ed. and L.L.B. Entrance Examination
- vi. Supervisions and assessment of university and college examinations

## **Role in different Academic Committees**

- a) MES's NEP coordinator
- b) Member of different committees like admission, discipline, UGC, cultural, etc
- c) Biotech BOS Chairman
- d) BOS member of Zoology at the college

## Summary of CV: Dr. A. V. Andhale

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

**Education:**  
M. Sc Biotechnology: 2003, M. Sc. Zoology: 2005  
M. Phil in Zoology (Animal Physiology): 2009  
Ph. D. in Zoology (Molecular Biotechnology): 2011

**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

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

### International, National & State Conferences/Seminars/Symposiums:

- Total Research Paper Presented = 29
- Total Participations = 50

### Publications: (excluding Ph. D. Research) in the National & International Level

- ❖ UGC Care Listed Journals = 14
- ❖ Peer Reviewed Refereed Journals = 07
- ❖ National Conference proceeding Book = 02
- ❖ International conference proceeding Book = 1
- ❖ Other online International Journals = 07

**Total publications: 29**

### Experience:

- Teaching UG and PG (Approved by SPPU) = 14 Years
- Teaching UG and PG (Non-Approved affiliated to BAMU) = 05 Years
- Research Experience excluding Ph. D. = 15 Years
- As Chemist = 1 Year

**Total Teaching Experience: 19 Years**

## **DECLARATION**

I, **Dr A. V. Andhale**, Associate 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

**Signature**

**Dr. Andhale Atmaram Vitthal**  
Head Department of Biotechnology,  
Associate Professor, Department of Zoology,  
Modern Education Society's  
Nowrosjee Wadia College, Pune