

CURRICULUM VITAE

Dr. Anil Kurhe Ph.D., Post Doc. (Spain)

Associate Professor

Department of Zoology,

Padmashri Vikhe Patil College of Arts, Science and Commerce (PVP),

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❖ Personal Details:

- **Designation:** Associate Professor
- **Date of Birth:** 9th April 1974, Born in Digras (Wani), Tal. / Dist. Hingoli, Maharashtra, India.
- **Correspondence Address:** 10/02, Jajoo Enclave, Gulmohar Colony, Ambad-Nashik Link Road, DGP Nagar 2, Ambad, Nashik-422010, India.
- **Date of Appointment and Institute:** 13/08/2007 at Pravara Rural Education Society's Padmashri Vikhe Patil College of Arts, Commerce and Science, Pravaranagar.

❖ Academic Record:

- Post. Doctorate in Marine Biology from Polytechnic University of Valencia, Spain-2015.
- Post. Doctorate in Marine Biology from University of Santiago de Compostela, Spain-under Erasmus Mundus Expert Program – December 2012.
- Ph.D. in Zoology from Dr. Babasaheb Ambedkar Marathwada, University, Aurangabad, India-February 2007.
- B. Ed. from Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, India-May, 2000.
- M.Sc. in Zoology (Endocrinology and Fishery science) from Dr. Babasaheb Ambedkar Marathwada, University, Aurangabad, India-June, 1999.
- B.Sc. from Dr. Babasaheb Ambedkar Marathwada, University, Aurangabad, India-June, 1997.
- HSC, from State Board, Aurangabad, Maharashtra-March 1994.
- SSC, from State Board, Amravati, Maharashtra-March 1992.

❖ Language Skill: A good knowledge of speaking, reading, writing and communication of the following languages

- English
- Hindi
- Spanish
- Marathi

❖ **Visit Abroad countries:**

Spain, Portugal, Germany, France, Belgium, The Netherlands, Switzerland, Italy, Vatican City, Czech Republic, China and Japan etc.

❖ **Teaching and Research Experience:**

- More than 17 years at under graduate (UG) and Post Graduate (PG)
- More than 20 years of Research experience

❖ **Awards / Rewards:**

1. **Post-Doctoral Research Fellowship** (under Erasmus Mundus Action 2-Lot 13) by European Union-Namaste Exchange (for the period for October 2015-to April 2016). May 2015
2. **Short Stay Research Fellowship-** (Under Research Excellence Programme India – Spain (PIEN) by University of Santiago de Compostela, Spain for the period 5th May 2014 to 21st June 2014. October 2014.
3. **Poladi Purush** (for outstanding work in Education and Research on), by Polad Udhyamita Pratisthan, Jalana, 8 March, 2015 at Hingoli.
4. **Short Stay Research Fellowship** (Under Research Excellence Programme India – Spain (PIEN)), University of Santiago de Compostela, Spain-5th May 2013 to 31st July 2013. June, 2013.
5. **Post-Doctoral Fellowship** (under Erasmus Mundus Action 2-Experts Exchange by promoting quality education and research in European. Universities and East Asian universities), University of Santiago de Compostela, Spain (for the period for October 2011-to August 2012). August, 2012.
6. **Young Scientists Award** (For best paper presentation in International conference), by SABS, Bangalore in December 2008.
7. **Outstanding Young Researcher Award** (for the successful under water Training and Coral Reef Monitoring Expedition in Andaman and Nicobar Island), BAMU in March, 2006. May, 2006
8. **Chief Minister Sergeant Award** (for Outstanding work for NCC cadet), by Govt. of Maharashtra in April, 1996.
9. **NCC -B Certificate**, by 52 MAH NCC BN, Aurangabad, 1997

❖ **Professional/ Academic/ Administrative Training / Experience:**

- Refresher Course in Life Sciences and Biological Engineering at UGC-HRDC, JNU, New Delhi during 8th October 2018 to 3rd November 2018.
- Refresher/ Summer School from Polytechnic University of Valencia, Spain during 5th November 2015 to 10th December 2015.
- Orientation 28 days from ASC, Aligarh Muslim University Aligarh. UP during 19th March to 15th April 2014.
- Refresher/ Summer School (**Short Stay Research Fellowship**-Under Research Excellence Programme India – Spain (PIEN)) 45 days from University of Santiago de Compostela, Spain during 5th May 2014 to 21st June 2014.
- Refresher/ Summer School (**Short Stay Research Fellowship**-Under Research Excellence Programme India – Spain (PIEN)) 1 Month from University of Santiago de Compostela, Spain during 25th

October 2014 to 5th November 2014.

- Refresher/ Summer School (**Short Stay Research Fellowship**-Under Research Excellence Programme India – Spain (PIEN)) 2 Month from University of Santiago de Compostela, Spain during 5th May 2013 to 31st July 2013.
- Role of Scientists in Biodiversity Conservation”-a National Training for scientists and technologists on Biodiversity Conservation at Wildlife Institute of India (WII), Dehradun-Wildlife, sponsored by DST, Govt. of India during November, 2010.
- Open Water Scuba Diver (No.0605A41230 from Professional Association of Diving Instructor, USA, (PADI ASIA PACIFIC, AUSTRALIA at Andaman and Nicobar Islands during February, 2006.
- MS-CIT Computer from regional centre for MKCL, Ratnagiri in 2005.

❖ **Professional Recognition** (P.G./ M.Phil. /Ph.D.):

- Ph. D. (PTUR/Science/124 dated 01/06/2013) / (BOD/Sci. & Tech./09/27 in Zoology, of Savitribai Phule Pune University, Date: 08/01/2022 w.e.f. 11-11-2021 To 08/04/2034
- M. Phil (PTUR/Science/124 dated 01/06/2012) / BOD/Sci. & Tech./09/27 in Zoology of Savitribai Phule Pune University, Pune, 2012. w.e.f. 08-05-2020
- P.G. Teacher (PTUR/Science/124 dated 01/06/2012). BOD/Sci. & Tech./09/27. In Zoology of Savitribai Phule Pune University, Pune, 2009./ Date: 08/01/2022. w.e.f. 05-01-2022

❖ **Completed Research Project**

- Minor research project on Assessment of Molluscan fauna in and around Bhandardara reservoir in Ahmednagar district of Maharashtra, 2014- funded by UGC, Govt. of India (Rs.110000/-).

❖ **Applied Research Project**

- Research proposal On Studies on ecological characterization and bio-prospecting the diversity of bivalve and gastropod mollusks by using GIS technology from the coast of Maharashtra state in relation to conservation Rs. **2736000.00/-to ISRO-UNIPUNE. 2023.**
- Submitted research proposal on Studies on the effect of heavy metals Accumulations at molecular and Cellular levels from commercially important Bivalve molluscs on the coast of Maharashtra, India of Rs. **4823659/-** to SERB, DST, and Govt. of India 2023.

❖ **Student Guidance for M.Phil/ Ph.D.:**

M.Phil

Sr. No.	Name of student	Title of thesis	Date of Registration	Award /working
1.	Mr. Ainar Sopan Govind	Study the acute toxicity of heavy metals (Cadmium and Mercuric) on fresh water bivalve Molluscs Lamellidens marginalis, (Lamarck, 1819) from Pravara-Sangam of Godavari river, Maharashtra, India.	Ref No. M. Phil. Zoology/2591/2014-2015/ 10th Jan 201	Awarded

2.	Mr. Raut Ranjit Raosaheb	Studies on heavy metal accumulations and biochemical contents in some commercially important Bivalve Molluscs from Ratnagiri Coast of Maharashtra, India	02/02/2016 Date of Re-Registration : 17/03/2022	Awarded
3.	Miss. Shaikh Sameena Haider	Studies on heavy metals accumulation and biochemical content from fresh water mussel <i>L. corrianus</i> from Mula River of Maharashtra	02/02/2016 Date of Re-Registration : 17/03/2022	Awarded
4.	Miss. Salve Jyoti Ashok	Studies on Heavy Metals (Cd, Hg) accumulation and Biochemical Contents of fresh Water Mussel <i>Lamellidens marginalis</i> from Godavari River of Maharashtra, India	02/02/2016 Date of Re-Registration : 17/03/2022	Awarded
Ph. D.				
1.	Mr. Morankar Nikhil Hemant	Studies on the Effect of Heavy Metal Accumulation at Molecular and Cellular Level in the Commercially Important Molluscs (Bivalve) from the Coast of Maharashtra, India.	14/08/2015 (Ref No. PGS/Ph.d./1017 dated 15/04/2017) (PGS/4246 Dt.29/08/2022)	Final synopsis Submitted
2.	Miss. Patel Roshani	Studies on the effects of heavy metals (Copper and Mercury) on the biochemical composition, genomic content and activity pattern of selected enzymes from different tissues of <i>Pila globosa</i> (Swainson, 1822)	03/04/2020 (PGS/Ph.d/65,dated 05.01/2022)	Work in progress
3.	Mr. Pund Amol	Bioaccumulation heavy metals and histopathological studies of estuarine Bivalve Molluscs from Ratnagiri coast of Maharashtra, India	07/04/2021 (Ref No. PGS/Ph.d./3186 dated 03/09/2021)	Work in progress
4.	Mr. Nirbhawane Ashutosh	Studies on Seasonal Variation in Biochemical Composition and	PGS/Ph.d./189 Dated 11/01/2023	Work in progress

		Gametogenic Cycle of Edible Oyster (<i>Crassostrea cuttackensis</i>) from Ratnagiri Coast of India.		
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❖ **Book Published/ Book Edited**

1. Implementation of National Education Policy-2020 (Multidisciplinary Education)
Published by: Advent Publishing (<https://adventpublishing.in>) | ISBN: 978-93-95369-26-8, February 2023
2. Marine Molluscs: Diversity and Distribution (Bivalve and Gastropods) , Rajat Publication, New Delhi ISBN:97881788628. June 2019
3. Advances of Research Methodology in Higher Education, Samyak Scientific Publication, Nashik, ISBN: 978-81-929124-3-1, January, 2016.
4. Implementation of National Education Policy 2020 (Multidisciplinary Education)
Published by: Advent (<https://adventpublishing.in>) ISBN: 978-93-95369-26-8.
5. SLM Book: ZGY131: Immunology for Yashwantrao Chavan Maharashtra Open University, Nashik
6. SLM Book: ZGY111: Biochemistry for Yashwantrao Chavan Maharashtra Open University, Nashik
7. SLM Book: ZGY114: Biodiversity and Conservation for Yashwantrao Chavan Maharashtra Open University, Nashik
8. SLM Book: ZGY142: Research Methodology for Yashwantrao Chavan Maharashtra Open University, Nashik
9. SLM Book:ZGY135: Ichthyology for Yashwantrao Chavan Maharashtra Open University, Nashik
10. SLM Book: ZGY307: Pest Management & Parasitology for Yashwantrao Chavan Maharashtra Open University, Nashik
11. SLM Book: ZGY201:Animal Physiology and Ecology for Yashwantrao Chavan Maharashtra Open University, Nashik

❖ **Membership of Professional bodies / Contributions to academic and other fields:**

1. Member on Program Advisory committee for M.Sc. (Zoology), Program offered by school of Architecture, Science and Technology, Yashwantrao Chavan Open University, Nashik (YCMU) from 2019 (AST/193 dated 05/01/2022).
2. Member on Pravara Study Circle-from August 2008 to December 2012.
3. Member of International Society of Zoological Sciences, China (www.globalzoology.org) from February 9, 2013 to till date.
4. Member on Internal Quality Assurance Cell (IQAC), of Pravara Rural Education Society's P.V.P. College, Pravaranagar, Dist. Ahmednagar, from July 2008 to 2014.
5. Member on a Advisory Board on Centre for Coastal and Marine Biodiversity, of Dr. Babasaheb Ambedkar Marathwada University, Bhatye Ratnagiri, from 2007.
6. Worked as an International Coordinator member for the dissemination of Erasmus Mundus-Action 2, Lot 13 European Union exchange programme- Euphrates for the Indian Universities sanctioned by European Union –India. By University of Santiago de Compostela, Spain for the period of 5 year (2013-2017).

7. Working as a chairman of Proposal committee of PVP College, Pravaranagar since July, 2020.
8. Working as a member of Research committee of PVP College, Pravaranagar since July, 2020.
9. Worked as a NAAC-Coordinator of Arts, Commerce and Science College Satral from August 2015 to August, 2018 and successfully conducted II Round of NAAC peer team visit and secure B⁺⁺ Grade to the college.
10. Worked as a Chairman Gymkhana Committee, Arts, Commerce and Science College Satral. 2015-16.
11. Chairman Gymkhanas Committee, P.V.P. College, Pravaranagar. June 2014-November 2014.
12. Worked as Visiting faculty in Department of Environmental Science PVP College, Pravaranagar and teach restoration Ecology from 2009-2011.

❖ **Organized Seminars / Conferences / Workshops**

1. Coordinator- Successfully Organized SPP University, Pune sponsored Two days National workshop on “Implementation of National Education Policy-2020: Multidisciplinary Education at Loknete Dr. Balasaheb Vikhe Patil (Padma Bhushan Awardee) Pravara Rural Education Society’s Padmashri Vikhe Patil College of Arts, Science and Commerce Pravaranagar, Loni, Tal. Rahata, Dist. Ahmednagar during 6-7 February, 2023.
2. Organizing Secretary- Successfully Organized UGC Sponsored 3-days International conference on Recent Trends in Science and Technology-RTCST-14 at Loknete Dr. Balasaheb Vikhe Patil (Padma Bhushan Awardee) Pravara Rural Education Society’s Padmashri Vikhe Patil College of Arts, Science and Commerce Pravaranagar, Loni, Tal. Rahata, Dist. Ahmednagar during 20-23 August 2014.
3. Coordinator - Successfully Organized NAAC, Bangalore sponsored 2-days National workshop on Advances of Research Methodology in Higher Education at ACS, College, Satral during 22-23 January 2016.

❖ **Publications:**

1. **Roshani Patel1***, **Anil Kurhe2** (2023). Effects of heavy metals copper and mercury on the biochemical composition and activity pattern of selected enzymes of Molluscs: A Review, Journal of Stress Physiology & Biochemistry, Vol. 19 No. 3 2023, pp. 187-198 ISSN 1997-0838. Vol. 04, Issue 05, pp 760-764. ISSN: 2582-7138.
2. Nikhil H. Morankar and **Anil R. Kurhe** (2023). An overview of the impact of heavy metal accumulation on marine molluscs. International Journal of Multidisciplinary Research and Growth Evolution.
3. Amol Pund and **Anil Kurhe** (2023). A review on heavy metals impact and marine Molluscs. International Journal of Multidisciplinary Research and Growth Evaluation. Volume: 04 Issues: 03, Page No: 535-538. ISSN (online): 2582-7138. May 2023.
4. Roshani Patel and **Anil Kurhe** (2023). Acid and Alkaline Phosphatase Activity in the Indian Apple Snail *Pila globosa* (Swainson) During Aestivation. Journal of Stress Physiology & Biochemistry, Vol. 19, No. 2, 2023, pp. 95-100 ISSN 1997-0838. March 2023.
5. **A.R. Kurhe** (2022). Acute Toxicity Studies, determination of median lethal dose and biochemical contents in freshwater snail *Bellamya bengalensis* (Lamarck, 1822). International Journal for Innovative Research in Multidisciplinary Field. Volume - 8,

6. Ranjit Raut Prashant Harale and **Anil Kurhe (2020)**. Studies on Soil Quality Parameters in Relations to Cropping Patterns, Micronutrients and pH from Goagalgaon area in Ahmednagar District of Maharashtra, India. International Journal for Innovative Research in Multidisciplinary Field Volume - 6, Issue - 9, Pp. 210-219, ISSN: 2455-0620 IF: **6.719**. Sept – 2020.
7. Sopan Ainar and **Anil Kurhe (2020)**. Acute Toxicity of Cadmium (Cd) and Mercuric (Hg) on freshwater mussel *Lamellidens marginalis* (Lamarck, 1819) from Godavari River in Maharashtra, India. International Journal for Innovative Research in Multidisciplinary Field', Vol. - 6, Issue - 9, ISSN: 2455-0620. Paper ID: 202009002 IF: **6.719**. Sept – 2020
8. Sopan Ainar and **Anil Kurhe (2020)**. Acute toxicity of heavy metals (cadmium chloride (CdCl₂) and mercuric chloride (HgCl₂) on fresh water bivalve *Lamellidens marginalis* from Pravarasangan of Godavari River, MS. India. World Journal of Pharmaceutical and Life Science (wjpls), Vol. 6, Issue 7, 159-164, Pp.10-18, (SJIF)ISSN 2454-2229. IF: **6.129**. June, 2020.
9. Impact of Endosulphan (Mera-71) on Biochemical contents in freshwater snail (*Viviparous crawshayi* Smith 1893), National conference on Challenges in life sciences and Agro based industries for rural development, 21st Proceedings Arts, Commerce and Science College, Bodwad, Dist- Jalgaon. 2019.
10. In Vitro Production of Pectinase Enzyme by using various citrus fruits Peel as a substrate and Fungi *Aspergillus Niger* through submerged fermentation, Scholars World - International Refereed Multidisciplinary Journal of Contemporary Research, Special Issue, December 2016. Pp.90-93. Online ISSN: 2320-3145, Print ISSN: 2319-5789 2017.
11. Studies on soil characteristics of Satral area near Songaon vicinity of Rahuri Tahshil, Ahmednagar, MS, India, Scholar world-International Referred multidisciplinary Journal of Contemporary Research, Special Issue VIII, PP. 96-103 ISSN:2319-5789,EISSN:2320-3145: 2016.
12. Mercury Exposure Produce Changes in Protein Content in Different Body Parts of Oyster *Crassostrea Cattuckensis* (Newton And Smith), An International Peer Review E-3 Journal of Sciences and Technology, (JECET); Sec. A Vol.4.No.1, PP.65-71. E-ISSN: 2278-179X: 2015.
13. Comparative Fourier Transform Infrared Spectroscopic Analysis and Free Radical Quenching Properties of Three Cassia Species, Asian Journal of Pharmacy and Clinical Research, Vol. 8, Issue 5, PP.119-125, ISSN:0974-2441, 2015.
14. Glycogen level in the different body part of cerebralectomized, Bivalve mussel *Lamellidens corrianus*. www.discovery.org.in Species, volume 7, No. 17, PP. 25-29. ISSN: 2319 – 5746, EISSN: 2319 – 5754, 2014.
15. Vertical distribution and diversity of gastropods molluscs from intertidal habitats of the Ratnagiri coast Maharashtra, India. International Research Journal of Natural and applied Sciences (IRJNAS) Volume-1, Issue-6 (November 2014) PP.1-13., ISSN: 2349-4077, 2014.
16. Soil –nutrient Analysis and their relationship with special reference to pH in Pravaranagar area Dist. Ahmednagar, Maharashtra, India. International Journal of Scientific & Technology Research, Volume 2, Issue 3, pp. 216-218. ISSN: 2277-8616, 2013.

17. The Catch per Unit Efforts (CPUE) through Validations of Potential Fishing Zone Advisories along Sindhurg District Coast of Maharashtra State. International Journal of Pharmaceutical and Biological Sciences Fundamentals, Vol. 03. Pp 20-29. (IJPBSF), ISSN:2278-3997, 2013.
18. Study of seasonal variations in physico-chemical parameters and nutrients in water of Bhatye estuary, Ratnagiri central, West coast of India. International Journal of Environmental Sciences Volume 3, No 5, Pp 1671-1677, ISSN: 0976-4402, 2013.
19. Challenges Before Biodiversity and Conservation, Advances in Methodology for Life Science Research, Pp 19-25, Peer Reviewed, 2013.
20. Changes in lipid content in the hepatopancreas of cerebralectomized fresh water bivalve mussel *Lamellidens corrianus*. An Int. Journal of Environmental Sciences, the Ecoscan: special issue, Vol. IV, pp. 75-78, ISSN: 0974-0376, 2013.
21. Physico-chemical Properties of ground water in Durgapur area, District Ahmednagar, Maharashtra. Journal of Experimental Zoology, India, Vol.13 No.1, pp 221-223. ISSN: 0972-0030, 2010.
22. Physicochemical Characteristics of Ground Water of Deolali Pravara Area, District Ahmednagar, Maharashtra. Journal of Experimental Zoology, India Vol. 13, No. 2, pp. 609-612, ISSN: 0972-0030, 2010.
23. Effect of food processing on the Antioxidant levels in Carrot (*Ducuscarota*) and Garlic (*Allium sativum*). Journal of Biochem Cell Archive, Vol.10 No.2, pp 337-341, ISSN: 972-5075, 2010.
24. Studies on the ecology of Gastropod Molluscs of Mangroves swamps of Bhatye Estuary. Journal of Experimental Zoology, India, Vol.12.No.1, pp 23-28, ISSN: 0972-0030, 2009.
25. Studies on marine Gastropod Molluscs from Ratnagiri coast, Maharashtra, India. Journal of Experimental Zoology, India, Vol.12 No.2, pp 409-414, ISSN: 0972-0030, 2009.

❖ **Chapters in Book. Proceedings:**

1. Ranjit R. Raut, Ganesh D. Suryawanshi and **Anil R. Kurhe** (2023). A review on tribal communities and biodiversity conservation. Book chapter in Advances in life Sciences and Human welfare. Pub. Notion press, India. May 2023.
<https://notionpress.com/read/advances-in-life-sciences-and-human-welfare>
2. Pradeep Dighe, Goraksh Pondhe and **Anil Kurhe** (2023). A Review on National Education Policy-2020 in Higher Education, Implementation of National Education Policy 2020 (Multidisciplinary Education) Published by: Advent
<https://adventpublishing.in> ISBN: 978-93-95369-26-8, pp1-7.
3. Ranjit R. Raut, Ganesh D. Suryawanshi, **Anil R. Kurhe** and Dipali K. Raut (2023). Use of *Ocimum Sanctum* (Tulsi) Leaves And Stem Extract as an Antibacterial Agent Against Some Pathogenic Bacteria, Implementation of National Education Policy 2020 (Multidisciplinary Education) Published by: Advent (<https://adventpublishing.in>) ISBN: 978-93-95369-26-8, pp198-202.
4. Nilam Shinde, B.A. Pawar, T.S. Pathan and **A.R. Kurhe** (2023). Fish Diversity And Potentiality Of Pisciculture In Bhojapur Reservoir, Tal. Sinner District Nasik, Maharashtra. Implementation of National Education Policy 2020 (Multidisciplinary Education) |Published by: Advent (<https://adventpublishing.in>) I ISBN: 978-93-95369-26-8, pp222-228.

5. Shivani Gadhave, Shabanabi Shaikh, **A. R. Kurhe**, and A. J. Dhembare (2023). Studies on The Effect of Plant Extracts on Store Grain Pest Rice Weevil, *Sitophilus Oryzae* (L) (Coleoptera: Curculionidae). Implementation of National Education Policy 2020 (Multidisciplinary Education) Published by: Advent (<https://adventpublishing.in>) ISBN: 978-93-95369-26-8, pp222-228, Pp 178-184.
6. Nikhil Morankar and **Anil Kurhe** (2023). Historical Development And Current Scenario Of Open And Distance Learning (Odl) In India. Implementation of National Education Policy 2020 (Multidisciplinary Education) Published by: Advent (<https://adventpublishing.in>) ISBN: 978-93-95369-26-8, pp222-228, Pp 229-230.
7. **Kurhe Anil** and Raut Ranjit (2023). Physico Chemical Properties of Bhatye Estuary of Ratnagiri, Maharashtra. Implementation of National Education Policy 2020 (Multidisciplinary Education) |Published by: Advent (<https://adventpublishing.in>) ISBN: 978-93-95369-26-8, pp222-228, Pp 237-246.
8. Shaikh Sameena H., Aansari Nayab T. and **Kurhe Anil R.**(2023). Preliminary Study of Most Common Insect Pests of Sweet Corn (Maize: *Zea mays* L.) Around The Shrirampur Tahesil Region. Implementation of National Education Policy 2020 (Multidisciplinary Education) Published by: Advent (<https://adventpublishing.in>) ISBN: 978-93-95369-26-8, pp222-228, Pp 247-253.
9. **Anil Kurhe**, Dharpal C. Wagh, Priyanka M. Shejwal and Dinesh S. Kharate (2023). Study on Protein Content after Exposure Low Frequency Electromagnetic Field Exposure on Vital Organs of Wistar Rat. Implementation of National Education Policy 2020 (Multidisciplinary Education) |Published by: Advent (<https://adventpublishing.in>) ISBN: 978-93-95369-26-8, pp222-228, Pp 258-263.
10. Ashitosh M. Nirbhavne and **Anil R. Kurhe** (2023). A Review on: Nutritional Value of Biochemical Composition and Economic Importance of Molluscs. Implementation of National Education Policy 2020 (Multidisciplinary Education) Published by: Advent (<https://adventpublishing.in>) ISBN: 978-93-95369-26-8, pp222-228, Pp 289-292.
11. (2020). Acute Toxicity Studies, Determination of Median Lethal Dose and Biochemical Contents in Freshwater Snail. International conference on bioengineering and life sciences. 11th and 12th February, 2020, organized by New Arts, Commerce and Science College, Ahmednagar, Maharashtra, India
12. Assessment of Haemoglobin in a group of Females with reference to Age, Menstrual cycle and Diet. National level seminar on Interdisciplinary research in chemical and life sciences. 17th and 18th February, 2020, organized by Maharaja Jiwajirao Shinde Mahavidyalaya Shrigonda, Dist- Ahmednagar.
26. Study of vermicomposting ability of *Eisenia fetida* by using agriculture and kitchen solid waste. State level Seminar on Environmental Challenges in India, 4th and 5th February, 2020, R.B. Narayanrao Borawake College Shrirampur, Dist- Ahmednagar. **2020**,
13. Isolation, optimization and Characterization of lipase producing bacteria from oil contaminated soil, Proceeding of National Conference on Recent trends in Theoretical and Experimental Sciences organized by Ahmednagar College, Ahmednagar during, 17-18, February 2016 Peer Reviewed.
14. Changes in physico-chemical parameters of Bhatye estuary from Central West coast of India in relation to aquaculture Practices, Advances of Research Methodology in Higher Education, ISBN: 978-81-929124-3-1, 2016.
15. Acute toxicity of heavy metals (znc12, cuso4 and hgcl2) to freshwater bivalve *Lamellidens marginalis* and changes in protein, lipid contents, Advances of Research

Methodology in Higher Education, ISBN: 978-81-929124-3-1, 2016.

16. Diversity of bivalve and gastropod molluscs of Raigad district coast of Maharashtra. Advances of Research Methodology in Higher Education, ISBN: 978-81-929124-3-1, Peer Reviewed, 2016.
17. The catch per unit efforts (CPUE) Validations of potential fishing zone advisories along the coast of Ratnagiri district, Maharashtra state, Advances of Research Methodology in Higher Education, 978-81-929124-3-1, Peer Reviewed, 2016.
18. Araneidae family spiders diversity in Ratangad – Kalsubai wild life sanctuary (Western Ghats), Ahmednagar district MS. India, Advances of Research Methodology in Higher Education, ISBN: 978-81-929124-3-1, Peer Reviewed, 2016.
19. Distribution of molluscan fauna (Gastropod molluscs) from selected localities of Sindhudurg coasts Maharashtra, India. Proceeding of International Conference on Life Science & Biological Engineering Osaka, 7-9 November 2013. Pp537-547, LSBE-884, 2013.
20. Molluscan Resource of Bhatye Estuary (Ratnagiri), Maharashtra, India, Proceeding of National Conference on Biodiversity and Physiology of Aquatic Resources, Aurangabad 24-25 Oct 2009. pp 48-53, Peer Reviewed, 2009.

❖ **Research Work :**

- Post Doc. in Marine Biology, Study the Gametogenetic cycle of *Anemonia viridis* by using some classical staining technique (Hematoxylin/Eosin), University of Santiago de Compostela, Spain, 2012.
- Post Doc in Marine Biology, Study the effect of heavy metals Accumulation at molecular and Cellular level in the different molluscan species from Mediterian Sea by Underwater research, Polytechnic University, Spain, 2015.
- Some aspects on Biodiversity of Bivalve and Gastropod Molluscs on the coast of Maharashtra, Marine Research Laboratory, of Dr. Babasaheb Ambedkar Marathwada University, (Aurangabad), Bhatye, Ratnagiri, 2007.
- Studies on the Effect of Heavy metal accumulation at molecular and cellular level in commercially important Molluscs from the west coast of Maharashtra, India.
- Studies on the Effect of Heavy metal accumulation at molecular and cellular level of Rosy Barb (*Barbus chonchonius*) by using histo-chemical techniques.
- Studies on the Effect of Heavy metal accumulation at molecular and cellular level in commercially important Molluscs from the west coast of Maharashtra, India.
- Studies on biochemical characterization of *Polymesoda erosa*, Pesticide toxicity to fresh water bivalve *Lamellidens marginalis* in relation to biochemical changes.
- Oxygen uptake and respiratory metabolism in fresh water mussel *Lamellidens corrianus*

❖ **Contribution to the examination work:** (Examiner / Subject Experts/Moderator/Evaluator etc.):

1. Worked as an External Examiner for Practical Exam at T.Y. B.Sc. Zoology (Sem III) (held in Oct. 23) ZO-12132 basic Zoology Lab-I, and ZO-22323 Special Lab-I, at Department of Zoology of Sanjivani College, Kopergaon, dist- Ahmednagar (MS), during 28 -30 November 2023.
2. Worked as an External Examiner for Practical Exam at S.Y. B.Sc. Zoology (Sem I)

(held in Oct. 23) at Department of Zoology of ACS College, Kolhar, Dist- Ahmednagar (MS), on 22 November 2023.

3. Worked as a Subject Expert (Zoology) for Personal Interview (Second Round) of Ph.D. Students – 2022 at research centre in Department of Zoology of Sangamner College (Autonomous) Sangamner – 422 605, Dist- Ahmednagar (MS) on 13 May 2023.
4. Worked as a Subject Expert (Zoology) to assess the Personal Interview performance of the Ph.D. students at research centre in Zoology of Shikshan Prasarak Sanstha's Sangamner Nagarpalika Arts, D.J. Malpani Commerce and B.N. Sarada Science College (Autonomous) Sangamner – 422 605, dist- Ahmednagar (MS) scheduled on 24 April 2023.
5. Worked as a Subject Expert (Zoology) to assess the Personal Interview performance of the Ph.D. students at research centre in Zoology of Shikshan Prasarak Sanstha's Sangamner Nagarpalika Arts, D.J. Malpani Commerce and B.N. Sarada Science College (Autonomous) Sangamner – 422 605, dist- Ahmednagar (MS) scheduled on 11 February 2023.
6. Worked as an External Examiner for Practical Exam of M.Sc. Zoology (Sem II and Sem III) (held in July 22) ZO-12132 basic zoology Lab-I, and ZO-22323 Special Lab-I, at Department of Zoology of Sangamner College (Autonomous) Sangamner – 422 605, dist- Ahmednagar (MS), during 4 and 5 July 2022.
7. Worked as a as External Examiner for Practical Exam of T.Y.B. Sc Zoology April 22 (Sem II) (held in May 22) ZO 367 Paper Medical and Forensic Zoology and Animal Physiology and ZO 368 Paper I Molecular Biology and Entomology, at Department of Zoology of Sangamner College (Autonomous) Sangamner – 422 605, dist- Ahmednagar (MS), during 25 and 26 may 2022.
8. Worked as a Subject Expert (Zoology) to assess the Personal Interview performance of the Ph.D. student's admission Second round at research centre in Zoology of KJS College of Arts, Commerce and Science Kopergaon Dist. Ahmednagar Scheduled on 04/08/2022.
9. Worked as a Subject Expert (Zoology) to assess the Personal Interview performance of the Ph.D. students at research centre in Zoology of LVH Panchavati College Nashik Scheduled on 07/06/2022.
10. Worked as a Senior Supervisor on FYBA/BSC/B Com. Of Savitribai Phule Pune University Examination (October/November 2019) at Rajarshri Shahu College, Deolali, Dist. Ahmednagar during 12-23 October 2019.
11. Worked as a Senior Supervisor on FYBA/BSC/B Com. of Savitribai Phule Pune University Examination (March/April 2019) at Arts, Science and Commerce College Rahuri, Dist. Ahmednagar during 12 to 19 March 2019.
12. Work as a Subject Experts at Experts Committee meeting for Major research Project submitted by Dr. Yashmin Shaikh at Rafiq Zakera College for Women Aurangabad during 15 January 2018.
13. Worked as an External Examiner at Viva Voice Examination of Ph.D. Degree in Zoology of Miss. Poonam Dugje Organized by Department of Zoology, of Dr. Babasaheb Ambedkar Marathwada University, Aurangabad during 28 August 2018.
14. Worked as an External Examiner at Viva Voice Examination of M.Phil. Degree at Central University of Odisha, Koraput during 13 July 2018.
15. Worked as an External Examiner at Viva Voice Examination for up gradation from

NFHEJRF to SRF under the scheme of National Fellowship Program of Govt. of India organized by Department of Zoology Deogiri College, Aurangabad during 10 May 2018.

16. Attended One day state Level Workshop on Academic and Administrative Audit organized by Pravara Medical Trust and Pravara Rural Education Society Loni in Collaboration of CEDA, SPPU during 3 March 2018.
17. Attended two days National Conference on Prospective and problems of Biological product in Crop, Animal and human life organized by Dept. Zoology KRT, Arts, BH Commerce and AM Science (KTHM) College, Nashik during 2-3 February 2018.
18. Attended One day state Level Workshop on Revised Accreditation Framework of NAAC and Maharashtra Public University Act 2016 organized by IQAC, Deogiri College, Aurangabad during 31 August 2017.
19. Attended International Final Meeting of Erasmus Mundus Euphrates program Organized by BITs Pillani, Goa and University of Santiago de Compostela, Spain at Goa, India during 4-6 July 2017.
20. Attended a CAP on M.Sc. Zoology at Sandip University, Nashik during 1 June 2017.
21. Worked as subject experts on Interview Panel in zoology at PMT's Arts, Commerce and Science College Shevgaon, Dist. Ahmednagar during 29 May 2017.
22. Worked as an external Examiner at B.Sc. III Zoology on practical Viva-Voce Examination of Dr. B.R. Ambedkar University Agra College of Shri Udayveer Mahavidyalaya, Jounal Sainya Agra (UP) during 30 April 2017.
23. Worked as Internal Senior Supervisor on BA/BSC/B.Com & M.Com/M.Sc Examination (March/April) 2017 at ACS College, Satral Dist. Ahmednagar during 15 April to 29 April 2017.
24. Worked as an external Examiner at B.Sc. II Zoology practical on March /April 2017 at Arts, Science and Commerce College, Sanvatsar, Dist. Ahmednagar during 15 March 2017.
25. Worked as an external Examiner at B.Sc. II Zoology practical on March /April 2017 at Sau Sushila Mai Kale Arts, Commerce and Science College, Kolpewadi, Dist. Ahmednagar during 12-14 March 2017.
26. Attended a CAP on M.Sc. Zoology at Sandip University, Nashik during 31 January 2017.
27. Worked as subject experts on Board of Studies of Sandeep University, Nashik for framing syllabus of B.Sc. and M.Sc. in zoology during 5 October 2016.
28. Worked as a Subject Experts in Zoology in two days Regional Research Conference – Innovation 2015 Organized by Department of Zoology SMBT College Sangamner Dist. Ahmednagar during 4-5 July 2015.
29. Worked as a Custodian, Senior Supervisor, Junior Supervisor , External Examiner, Paper Setter, Moderator at SPP University Examinations
30. Paper Setter /Moderator/Evaluator at Solapur University Solapur at PG level

❖ **Work as a Resource Person / Chair Person/ Chief Guest / Guest Lectures:**

- Resource Person to guide Subject Specific Advanced Level Course” for Ph.D. Research Student of Registered under Faculty of Science and Technology of Savitribai Phule Pune University, Pune at LVH, Panchvati College, Nashik on 18-02-2023.

- Resource Person to guide Subject Specific Advanced Level Course” for Ph.D. Research Student of Registered under Faculty of Science and Technology of Savitribai Phule Pune University, Pune at KTHM College, Nashik on 16-02-2023 at 3.00 pm (Ref. No. 2022-23/4426 Date: 14/01/2023)
- Resource Person to guide Subject Specific Advanced Level Course” for Ph.D. Research Student of Registered under Faculty of Science and Technology of Savitribai Phule Pune University, Pune at KTHM College, Nashik on 17-02-2023 at 11. 30 am Ref. No. 2022-23/4426 Date: 14/01/2023)
- Presented Invited talk on Biodiversity at the Inaugural Function of Science Association of Kelkar College of Arts, Commerce and Science Devgad Dist. Sindhudurg during 6 October 2017.
- Resource person at Advance Courses in Research Methodology and Scientific Writings organized by Madhya Pradesh Council of Science and Technology during 7 - 11 March 2017.
- Presented Invited talk on recent advances in Biodiversity and Conservation in two days State level Seminar on recent advances in Life sciences and their applications in Rural Development organized by Dept. of Zoology of Arts, Science and Commerce College Kolhar Dist. Ahmednagar during 10-11 February 2017.
- Chief Guest and presented Invited Talk at Inaugural Function of Science Association at Arts, Commerce and Science College, Talegaon Dighe, Dist. Ahmednagar during 14 August 2017.
- Resource Person at State Level Seminar on Biodiversity and wild life management organized by MVPS’s Karmaveer Abasaheb Alias N.M. Sonawane Arts, commerce & Science College Satana, Dist. Nashik and presented a talk on during 16-17 December 2016.
- Invited Talk on Applications of genetics organized by Dept. of Zoology Arts, Commerce and Science College, Kolhar Dist. Ahmednagar during 31 December 2016.
- Chaired session at two days National Conference on Recent Trends in Biodiversity, Conservation and Sustainable Development (RTBCSD-2016) Organized by Karmaveer Annasaheb Alias NM Sonawane Arts, commerce and Science College Satana Dist. Nashik during 5-6 February 2016.
- Resource Person at “Recent trends in Biodiversity Conservation and sustainable development and presented lecture on Animal Biodiversity & its Conservation, in National conference organized by MVPS’s Karmaveer Abasaheb Alias N.M. Sonawane Arts, commerce & Science College Satana, Dist. Nashik during 5th & 6th February 2016
- Attended a Meeting of Cohort-2 Erasmus Mundus Euphrates of European Exchange organized by Coordinator Dr. Babasaheb Ambedkar Marathwada University Aurangabad. In a capacity of member of selection Board, during 27-28 November 2014.
- Resource Person at 2 days State level seminar on biodiversity conservation Strategies & Environmental Awareness and presented lecture on Indian Fisheries in 21st Century: Status & Challenges organized by Department of Zoology in SMBST College of Arts, Science and Commerce College, Sangamner, Dist Ahmednagar during 28th -29th December 2014.
- Guest lecture on Wild life diversity of India and challenges in conservation at two days

workshop on Environmental conservation and sustainable Development at Student's welfare Dept. in Arts, Commerce and Science College, Shevgaon, Dist Ahmednagar during 26th February 2014.

- Invited talk on Promotion of European Union funded scholarship "Erasmus Mundus-Euphrates" for study and research of Sant Tukdoji Maharaj Nagpur University, Nagpur, PGTD University campus 15th January 2014.
- Resource person at Refresher course in Environmental Science, University staff College, University of Pune and presented a talk on Fisheries in 21st century a way to prosperity during 23rd October 2013.
- Resource person at two days state level seminar on Advances in Methodology for Life Sciences research organized by SN Arts, DJ Malpani Commerce and BN Sarda Science College, Sangamner Dist, Ahmednagar during 20-21 January 2013.
- Invited talk on Challenges before Biodiversity and Conservation at State level seminar on methodology in life sciences. Sangamner College in collaboration with UGC and University of Pune at Sangamner, during 20-21st Sept. 2013.
- Chair Person for Life Sciences session –V at International Conference on Life Science & Biological Engineering, at Osaka, Japan during 7th - 9th November, 2013.
- Invited talk on Marine biodiversity and conservation under the science association of Arts, Science and Commerce College, Kolhar, Dist Ahmednagar during 14th February 2011.
- Invited talk on need of Biodiversity and conservation and youth under the science association. Ad. M.N. Deshmukh Arts, Science and Commerce College, Rajur, Dist Ahmednagar during 08th February 2010.
- On Importance of Biodiversity and conservation, Arts, Science and Commerce College, Satral. 21st January 2009.
- On the youth and social work at workshop of National service scheme-NSS. PVP College Pravaranagar during 16th September 2008.

❖ Research Work

- **Post Doc.** in Marine Biology, Study the gametogenetic cycle of *Anemonia viridis* by using some classical staining technique (Hematoxylin/eosin), University of Santiago de Compostela, Spain, 2012.
- **Post Doc in Marine Biology**, Study the effect of heavy metals Accumulation at molecular and Cellular level in the different molluscan species from Mediterian Sea by Underwater research, Polytechnic University, Spain, 2015.
- Some aspects on Biodiversity of Bivalve and Gastropod Molluscs on the coast of Maharashtra, Marine Research Laboratory, of Dr. Babasaheb Ambedkar Marathwada University, (Aurangabad), Bhatye, Ratnagiri, 2007.
- Studies on the Effect of Heavy metal accumulation at molecular and cellular level in commercially important Molluscs from the west coast of Maharashtra, India.
- Studies on the Effect of Heavy metal accumulation at molecular and cellular level of Rosy Barb (*Barbus chonchonius*) by using Histochemical techniques
- Studies on the Effect of Heavy metal accumulation at molecular and cellular level in commercially important Molluscs from the west coast of Maharashtra, India.

- Studies on biochemical characterization of *Polymesoda erosa*,
- Pesticide toxicity to fresh water bivalve *Lamellidens marginalis* in relation to biochemical changes.
- Oxygen uptake and respiratory metabolism in fresh water mussel *Lamellidens corrianus*)

❖ **Subject taught at UG:**

Animal Systematic and Diversity, Histology of Mammals, Physiology of Mammals, Immunology, General Zoology and Biological Techniques, Environmental Awareness, Animal Ecology, Applied zoology, Cell Biology and Genetics.

❖ **Subject taught at PG:**

Coastal & Marine Biodiversity, Parasitological, Statistical Methods, Endocrinology and Physiology of Mammals Mammalian Reproduction, Genetics and Immunology, Endocrinology

❖ **Expertise:**

- Biodiversity and Conservation, Ecology, Taxonomic Identification and nomenclature of marine molluscs-(bivalve and gastropod).
- Ecology of the coastal Zonation and mangrove vegetations and mangrove associated marine invertebrates.
- Toxicity, Pollution and Aquaculture management.
- Underwater Research (Coral reef monitoring),
- Application of quantitative and qualitative methods and training in marine fisheries and Fishery economics of coast.
- On-board sampling of water and sediment from marine environments, physico-chemical parameters and relevant data collection, biochemical analysis
- PCNA techniques, Immunocyto-chemical techniques and histo-chemistry
- General PCR and western blotting techniques.
- Basic biotechnological experiments- DNA extraction, PCR, Electrophoresis.
- Socioeconomic components on the coast at multiple scales.

❖ **Work as Evaluator for Ph.D. /M. Phil. Thesis etc.:**

- Evaluated Ph.D. Thesis in Zoology of Miss. Poonam Dugje student of Dr. Yashmin Shaikh submitted to Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (2018).
- Evaluated Ph.D. Thesis in Zoology of **Ms. S. Rasul Meera** student of **Dr .R Kunguma Priya**, Pachaiyappa's College, Chennai, Tamil Nadu, work on “Studies on the biotic community and induction of biochemical, Haematological, Molecular, Histopathological changes in fish *Ictalurus furcatus* by the Aquatic toxicants of the Pallavaram Lake water and its microbial remediation by using *Ocimum basilicum* L.”
- Evaluated M. Phil. Dissertation of **Mr. Nihar Ranjan Sahoo** student of Dr. Kakoli Banerjee, Department of Biodiversity and Conservation, Central university of Odisha, worked on entitled “Nutrient profiling of intertidal sediments by selected crab species in mangroves OD Mahanadi delta Odisha, India submitted to Central University of Odisha

(2018).

❖ **Co-Curricular Activity (Involvement in other activities of Institute):**

- Organization of tours
- Participating in Cultural activities of the institution
- Facilitating the integration of knowledge, skills and attitudes
- Teaching and learning groups
- Facilitating learning and setting ground rules
- Explaining and Group dynamics
- Managing the group discussion
- Small group teaching methods and discussion techniques
- Seminars and tutorials
- Computer based teaching and learning – information technology and the World Wide Web
- Introducing problem based learning
- Case based learning and clinical scenarios
- Guiding to the students for their project works
- Organizing seminars for students in order to provide them additional knowledge and spoken skills, Creating opportunities for participant students in discussion for being efficient

❖ **Extra-Curricular Activity** (Involvement in other activities of Institute):

- › Worked as a NSS co-officer from 2008 to 2010
- › NCC Officer-From June, 2008 to June, 2011.
- › Worked as Gymkhana Chairmen from June 2013 to 2014.
- › Worked as Visiting faculty in Department of Environmental Science PVP College, Pravaranagar and teach restoration Ecology from 2009-2011.
- › Worked as a volunteer in National Programme of Polio eradication, Literacy, and Self-help group of women's.
- › Worked as a volunteer during rehabilitation in Gujarat Earth quick during 2001.
- › Worked as a representative in the rural area of Maharashtra for the upliftment of the poor people particularly in the tribal area.
- › Worked as a Research Associate in Ecological science at USC Spain.

❖ **List of Presented papers in Seminar/ Conferences/symposia/workshops at National/ International/State/University level**

1. Presented paper on “protein alteration in fresh water bivalve *Lamellidens marginalis* due to heavy metals in two days state level seminar on Recent Advances in life Sciences for

sustainable development organized by Department of Botany and Zoology of ACS College Satral Dist. Ahmednagar during 19-20 January 2018.

2. Presented paper on “Biodiversity and sustainable development” in two days National Seminar on Green Chemistry Education for a sustainable future of humanity (GCESH 2016) organized by Department of Chemistry, ACS College Satral, Dist. Ahmednagar during 23-24 December 2016.
3. Paper presented on “ Effective biodegradation of plastic by using bacteria” in two days state level conference on Interdisciplinary approaches in Life Sciences organized by Department of Zoology, Maharaja Jivajirao Shinde Mahavidyalaya, Shrigonda, Dist. Ahmednagar during 12-13 February 2016.
4. Paper presented on “ Changes In Physico Chemical Parameters of Bhatye Estuary on from Central West Coast of India in relation to Aquaculture Practices” in two days National Workshop on Advances of Research Methodology in Higher Education organized by Arts, Commerce and Science College, Satral, Dist. Ahmednagar, during 22-23 January 2016.
5. Paper presented on “ Acute toxicity of heavy metals (znc12, cuso4 and hgcl2) to freshwater bivalve Lamellidens marginalis and changes in protein, lipid contents, in two days National Workshop on Advances of Research Methodology in Higher Education organized by Arts, Commerce and Science College, Satral, Dist. Ahmednagar, during 22-23 January 2016.
6. Paper presented on “ Diversity of bivalve and gastropod molluscs of Raigad district, coast of Maharashtra” in two days National Workshop on Advances of Research Methodology in Higher Education organized by Arts, Commerce and Science College, Satral, Dist. Ahmednagar, during 22-23 January 2016.
7. Paper presented on “ The Catch Per Unit Efforts (CPUE) Validations Of Potential Fishing Zone Advisories Along The Coast Of Ratnagiri District, Maharashtra State”, in two days National Workshop on Advances of Research Methodology in Higher Education organized by Arts, Commerce and Science College, Satral, Dist. Ahmednagar, during 22-23 January 2016.
8. Paper presented on “ Araneidae family spiders diversity in Ratangad – Kalsubai wild life sanctuary (Western Ghats), Ahmednagar district MS, India, in two days National Workshop on Advances of Research Methodology in Higher Education organized by Arts, Commerce and Science College, Satral, Dist. Ahmednagar, during 22-23 January 2016.
9. Paper presented on “Studies on soil characteristics of Satral area near Songaon vicinity of Rahuri Tahshil, Ahmednagar, MS, India” in two days National Conference on Recent Trends in Biodiversity, Conservation and Sustainable Development organized by MVPS’s Karmavieer Abasaheb Alias N.M. Sonawane Arts, Commerce & Science College, Satana, (Nashik) during 5-6 February 2016.
10. Paper presented on “Isolation, optimization and Characterization of lipase producing bacteria from oil contaminated soil” in two days National Conference on Recent trends in Theoretical and Experimental Sciences organized by Zoology Ahmednagar College, Ahmednagar during 17-18 February 2016.
11. Paper presented on “Changes in Physicochemical properties in Relation to Aquaculture practices of Bhatye Estuary from central West Coast of India in two days National Conference on Biodiversity of India, Past, Present, Future organized by New A.S & C. College, Ahmednagar during 10-11 Sept. 2015.
12. Paper presented on “Spider diversity in Ratangad- Kalsubai wild life sanctuary of Western Ghats in Ahmednagar district of Maharashtra, India, in one day National Conference on Biodiversity of India, Past, Present, Future organized by New A.S & C. College,

Ahmednagar during 11 Sept. 2015.

13. Presented paper on “Physicochemical characteristics of Bhatye Estuary from west coast of India relation to aquaculture practices” in two days National Seminar on Aquaculture and research Excellence in Animal Sciences organized by Department of Zoology SMA Arts, DJM Commerce and BNS Science College Sangamner Dist. Ahmednagar during 26-27 September 2014.
14. Presented paper on “In-vitro Production of citrus fruit peels as substrate in one day International seminar on Global Environment : Issues Challenges and Solutions organized by New arts, Commerce and Science College Parner Dist. Ahmednagar during 23 September 2016,
15. Paper presented on “Effective biodegradation of plastic by using bacteria, PP 12” in two days state level seminar on Interdisciplinary approach in Life sciences organized by Maharaja Javajirao Shinde Mahavidyalaya Shrigonda, Dist. Ahmednagar during 12-13 February 2016.
16. Presented paper “on Study of Soil quality analysis and pH of Goagalgaon area Dist Ahmednagar” in three days International conference on Recent Trends and Challenges in science and Technology (RCST-2014) organized by PVP College, Pravaranagar, Loni Dist. Ahmednagar during 20-22 August 2014.
17. Presented paper “Study the acute toxicity of heavy metals on fresh water bivalve molluscs *Lamellidens marginalis* (Lamarck) from Godavari River, Maharashtra, in three days International conference on Recent Trends and Challenges in science and Technology (RCST-2014) organized by PVP College, Pravaranagar, Loni Dist. Ahmednagar during 20-22 August 2014.
18. Presented paper “Study of Physico-Chemical parameters of Bhatye estuary in relation to aquaculture practices” , in three days International conference on Recent Trends and Challenges in science and Technology (RCST-2014) organized by PVP College, Pravaranagar, Loni Dist. Ahmednagar during 20-22 August 2014.
19. Presented paper “Application of satellite imaginary for potential fishing zone advisory (PFZ) and socio-economic upliftments of fishermen community of Ratnagiri coast, MS, India” in three days International conference on Recent Trends and Challenges in science and Technology (RCST-2014) organized by PVP College, Pravaranagar, Loni Dist. Ahmednagar during 20-22 August 2014.
20. Presented paper “Protein alteration in Oyster *Crassostrea cattuckensis* (Newton & Smith) mercury exposure” , in three days International conference on Recent Trends and Challenges in science and Technology (RCST-2014) organized by PVP College, Pravaranagar, Loni Dist. Ahmednagar during 20-22 August 2014.
21. Presented paper “The utility of potential fishing zone advisory through catch per unit efforts (CPUE) along the coast of Ratnagiri district, Maharashtra” , in three days International conference on Recent Trends and Challenges in science and Technology (RCST-2014) organized by PVP College, Pravaranagar, Loni Dist. Ahmednagar during 20-22 August 2014.
22. Presented paper “Biodiversity and its conservation of Bivalve Molluscs from Large Dam of Maharashtra, in three days International conference on Recent Trends and Challenges in science and Technology (RCST-2014) organized by PVP College, Pravaranagar, Loni Dist. Ahmednagar during 20-22 August 2014.
23. Presented paper “Knowledge of indigenous groups in India and Biodiversity conservation for sustainable development” , in three days International conference on Recent Trends and Challenges in science and Technology (RCST-2014) organized by PVP College, Pravaranagar,

Loni Dist. Ahmednagar during 20-22 August 2014.

24. Presented paper “Changes in lipid due to heavy metal in fresh water bivalve *L. Marginalis*” in three days International conference on Recent Trends and Challenges in science and Technology (RCST-2014) organized by PVP College, Pravaranagar, Loni Dist. Ahmednagar during 20-22 August 2014.
25. Presented paper “Comparative study of Haematological parameters from different age groups (0-15 years) of child from Shrirampur Tahshil in Ahmednagar district of Maharashtra”, , in three days International conference on Recent Trends and Challenges in science and Technology (RCST-2014) organized by PVP College, Pravaranagar, Loni Dist. Ahmednagar during 20-22 August 2014.
26. Presented paper “Impact of Endosalphan on total biochemical content in fresh water snail (*Viviparous crawshayi*, smith 1893) –Acute toxicity studies and determination of median lethal does”, in three days International conference on Recent Trends and Challenges in science and Technology (RCST-2014) organized by PVP College, Pravaranagar, Loni Dist. Ahmednagar during 20-22 August 2014.
27. Paper presented on “Physico-chemical characters of Bhatye estuary of West Coast of India in relation to Aquaculture practices” in two days national conference on Academic and Research Excellence in animal Sciences (AREAS-2014) organized by Sangamner College, Sangamner, Dist. Ahmednagar, during 26-27 Sept. 2014.
28. Paper presented on “ Biodiversity conservation and marine molluscs: challenges and Opportunities in two days National Conference on Academic and Research Excellence in animal Sciences (AREAS-2014) organized by Sangamner College, Sangamner, Dist. Ahmednagar, during 26-27 Sept. 2014.
29. Paper presented on “Alteration in lipid during Zn toxicity of Rock oyster *C. cuttuckenss* (Newton &Smith) from Central west coast of India in two days National Conference on Academic and Research Excellence in animal Sciences (AREAS-2014) organized by Sangamner College, Sangamner, Dist. Ahmednagar, during 26-27 Sept. 2014.
30. Paper presented on “Challenges before biodiversity and conservation” in one day state level conference on Advances in Methodology for Life Science Research organized by Sangamner College, Sangamner Dist. Ahmednagar during Sept. 2013
31. Paper presented on “Distribution of molluscan fauna (gastropod molluscs) from selected localities of Sindhudurg coasts Maharashtra, India in two days international conference on Life Science & Biological Engineering organized by University of Osaka, Japan during 7-9 November, 2013.
32. Paper presented on “Studies on marine gastropod mollusks from the coast of Ratnagiri, Maharashtra in two days International conference on Technologies for Mitigation of Environmental pollution and their Application in conservation of Aquatic Ecosystem organized by Department of Zoology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, during 11-13th December 2008.
33. Paper presented on Studies on marine gastropod mollusks of Sindhudurg district coast of Maharashtra in two days International Conference on Technologies for Mitigation of Environmental pollution and their Application in conservation of Aquatic Ecosystem organized by Department of Zoology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, during 11-13th December 2008.
34. Presented paper on “Attempt for socio-economic development of fishermen community of Konkan coast through potential fishing zone (PFZ) advisory” in two days national seminar on “Recent trends in life sciences” organized by Shri. PK Mahavidyalaya, Sawantwadi Dist. Sindhudurg during 1-2nd December 2006.
35. Presented paper on “Molluscan resources of Bhatye estuary (Ratnagiri) Maharashtra, India in two days national seminar on “Recent trends in life sciences” organized by Shri PK Mahavidyalaya, Sawantwadi Dist. Sindhudurg during 1-2nd December 2006.
36. Paper presented on “Recent status of the molluscan fauna of mangrove areas of Sindhudurg coast

Maharashtra” in two days International conference on Environmental Pollution and Toxicology organized by Thakur College, Kandiwali, Mumbai during 19-20th December 2006.

❖ **List of Attended Seminar/ Conferences/symposia/workshops at National/ International/State/University level:**

1. Participated in One Day National Virtual Seminar On Intellectual Property Rights: Challenges In Acquiring Patents And Its Process Organized by Department of Botany & Department of NSS & Dept. of Commerce Government Degree College For Women, Jagtial, Telangana, during 06 May 2022.
2. Participated in One Day National Virtual Seminar on YOGA FOR HUMANITY Organized by Department of Botany & Department of NSS, Women Empowerment Cell, Grievance Cell Government Degree College For Women, Jagtial Telangana State during 21 June 2022.
3. Participated in two days International conference on “Climate change and its effect on Biodiversity, Commerce and Economics”, organized by Arts, Commerce and Science College Sonai, Tal- Newasa, Dist- Ahmednagar during 28th and 29th February, 2020.
4. Participated in two days National conference on “Interdisciplinary research in chemical and life sciences” organized by Maharaja Jiwajirao Shinde Mahavidyalaya Shrigonda, Dist- Ahmednagar during 17th and 18th February, 2020.
5. Participated in one day National workshop on “Patent Filing: Procedure and Legal Aspects” organized by Arts, Commerce and Science College, Satral, Tal- Rahuri, Dist- Ahmednagar, during 18th February, 2020.
6. Participated in two days International conference on “Bioengineering and life sciences” organized by New Arts, Commerce and Science College, Ahmednagar, Maharashtra, India during 11th and 12th February, 2020.
7. Participated in two days National conference on “Environmental Challenges in India” organized by R.B. Narayanrao Borawake College Shrirampur, Dist- Ahmednagar, during 4th and 5th February, 2020
8. Participated in one day National conference on “Challenges in life sciences and Aggrobased industries for rural development” organized by Arts, Commerce and Science College, Bodwad, Dist- Jalgaon during 21st December, 2019.
9. One day University level workshops on application of molecular markers (RAPD and SSR) in phylogenetic analysis and downstream processing in genetic engineering (Affinity Chromatography) organized by Department of Biotechnology, of PVP College, in Collaboration with University of Pune at PVP College, Pravaranagar on 18th February 2011.
10. Two days workshops on Primer designing and RAPD technique organized by College of Agricultural Biotechnology Loni in Collaboration with Aristogene Biosciences , Bangalore on 24th and 25th March 2011.
11. Two Day State level seminar on “Effect of Climatic Change on Biodiversity, at Arts, Science and Commerce College, Satral on 23rd -24th January 2010.
12. One Day seminar on “Impact of Global Warming on Biodiversity, Conservation and its Sustainable Utilization, at Padmashri Vikhe Patil Arts, Science and Commerce College, Pravaranagar on 23rd -February 2010.
13. Two Day Seminar- cum Workshop on Alternatives to animal use in Medical and non Medical studies’ at Department of Zoology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad in collaboration with MGDC Trichrapalli, DZ Foundation Switzerland, ICARE, Italy and Umbo University, Ethiopia on 20-21 September 2010.
14. National level training programme for Scientists and Technologists “ Role of Scientists in Biodiversity Conservation” sponsored by DST, Govt. of India, at Wildlife Institute of India, Deharadoon from 8th-13th November 2010.
15. National workshop on “Potential Fishing Zone to forecast the fishing activities and to Potentiate

- the species diversity for sustainable utilization and conservation” at Marine Research Laboratory Bhatye, Ratnagiri, on 4th November 2001.
16. One Day workshop on Syllabus Revision of S.Y. B.Sc. ‘D’ Component of University of Pune, at P.V.P. College, Pravaranagar on 20th March 2009.
 17. Two days National Conference on Biodiversity and Physiology of Aquatic Resources in Sustainable Development for Rural Livelihood, Department of Zoology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad on 24-25 October, 2009.
 18. National Conference on Biodiversity and physiology of Aquatic Resources in Sustainable Development for Rural Livelihood at Department of Zoology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad on 23-24th October 2009.
 19. State level workshop on “Ecology” organized by Faculty of Science Pune University, Pune at Sm. Bhausaheb Santuji Thorat College of Arts, Science & Commerce, Sangamner, Dist. Ahmednagar, on 23-25th March 2008.
 20. One day seminar on ‘PFZ- Information’ organized by Coastal and Marine Biodiversity Research Center, of Dr. Babasaheb Ambedkar Marathwada University, Bhatye, Ratnagiri, on 29th May 2008.
 21. Two days Workshop on Water Pollution organized by Coastal and Marine Biodiversity Research Center, of Dr. Babasaheb Ambedkar Marathwada University, Bhatye, Ratnagiri with collaboration all India Association of Aquatic Biologists, Hyderabad at Gogate and Jogalekar College, Ratnagiri, on 5-7th June 2008.
 22. Five Days Workshop on goat and Sheep Farming organized by University of Pune and Janseva Sanstha, Ahmednagar (Udyojagata Vikas Kendra) at New Arts, Commerce and Science College, Ahmednagar on 31st to 4 September 2008.
 23. Two days International conference on Technologies for Mitigation of Environmental pollution and their Application in conservation of Aquatic Ecosystem at Department of Zoology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad on 11-13th December 2008.
 24. National conference on “Sustainable Utilization of aquatic resources and marine biotechnology” at D.B.J. College, Chiplun, on 19-20th January 2007.
 25. Review meeting of PFZ Validation project (Dissemination of PFZ information to the fisher folk of Ratnagiri and collecting feedback information from the users – funded by INCOIS-DOD to Prof U.H. Mane) at INCOIS an autonomous body under the Ministry of Earth Sciences Govt. of India, on 13th April 2007.
 26. National workshop on “Role of molluscs in human welfare” Organized by Zoological Survey of India, Ministry of Environment and Forests Govt. of India (Under All India Coordinated Project on Taxonomy Capacity Building in Mollusca / AICOPTAX-Mollusca) on 21-22nd May 2007.
 27. One day seminar on “Recent Advances in Biochemistry with reference to Biotechnology, organized by Department of Zoology, P.V.P. College, Pravaranagar on 18th December 2007.
 28. One-day seminar on “ Recent trends in aquaculture” organized by, Department of Zoology, L.V.H. College, Panchavati, Nashik on 15th December 2007.
 29. National level symposium on “Recent trends in life sciences” at Shri Pancham Khemraj Mahavidyalaya, Sawantwadi on 1-2nd December 2006.
 30. National level conference on “Environmental Pollution and Toxicology “ at Department of Zoology Thakur College, Kandiwali, Mumbai on 19-20th December 2006.
 31. National level conference on “AICOPTAX-All India coordinated project on Biodiversity-Taxonomy capacity building on Mollusca” by Ministry of Environment and Forests, Govt. of India at BSI Building, Coimbatore (T.N.) on 19-21st May 2005.
 32. UGC sponsored national level training workshop on “Polychaete Taxonomy” at Center of Advanced Studies in Marine Biology, Annamalai University, Parangipettai (T.N.) on 26-28th September 2005.

33. UGC Sponsored State level seminar on “Fisheries “at Milind College of Science, Aurangabad 2004.
 34. National workshop on “Coastal Biodiversity and Capacity Building” at National Institute of Oceanography, Dona Paula Goa, on 4-12th March 2004.
 35. National workshop on “e-Education” at Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, on 16th September 2004.
 36. UGC sponsored Regional level seminar on “Selected topics of revised syllabus in Zoology at under graduate college” at Maulana Azad College, Aurangabad on 10-11thSeptember 2004
 37. National workshop on “Marine Biodiversity and Biotechnology” at Marine Research Laboratory, Bhatye, Ratnagiri.
 38. UGC sponsored National seminar on “ Higher Education: ST/SC students opportunities and adversities” at Milind College of Science, Aurangabad, on 16-17th September 2004
 39. National workshop on “Fish and their environment” at Department of Zoology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, on ----2004.
- Joint international “Indo-US Workshop on Biodiversity Informatics” at National Chemical Laboratory Pune on 7-9th December 2004.

❖ **Career Vision:**

- Research Excellence
- Teaching and Mentoring
- Professional Development
- Grant Acquisition
- Community Engagement
- Leadership and Administration
- Interdisciplinary Collaboration
- Student Success
- Work-Life Balance

❖ **Professional Area of Interests**

- > Teaching and Research
- > Ecology, Biodiversity and conservation,
- > Taxonomy of Molluscs,
- > Toxicity, Environmental pollution
- > Fisheries, Aquaculture

Sericulture, Apiculture

❖ **Hobbies**

1. Playing Games- like badminton, volley ball.
2. Tracking
3. Interacting with new people
4. Social work (especially for socially deprived)
5. Reading and writing
6. Searching and visit to new places

❖ **Key Strengths**

- Positive attitude.
- Teaching Excellence:
- Mentorship and Advising:
- Adaptability and Innovation:
- Research Excellence:
- Publication Record:
- Smart working.
- Communication Skills:
- Problem-Solving Skills:
- Interdisciplinary Collaboration:
- Live for happiness
- Time Management:
- Leadership and Administration:
- Sincere with a high level of integrity
- Good oral and written communication skills.
- Flexible and always geared up to seize new responsibilities



(Dr. Anil Kurhe)

Place: Pravaranagar