

Curriculum Vitae

1. Name: **Dr. (Mrs.) UJWALA AMBADAS JADHAV.**
2. Present Position: Associate professor.
3. Office address: Department of Life Sciences,
University of Mumbai, Vidyanagari,
Kalina, Mumbai- 400098.
5. E-mail ID: uja_life@yahoo.com
6. Office Phone number: 022-26543304.
7. Mobile number: 0-9892491491.
9. Teaching Experience: **27 years.**
10. Educational Qualifications: **M. Sc., Ph. D.**

Research and Academic contributions:

Research paper Published in International Journals:

1. Screening of coliform group of bacteria and waterborne pathogenic bacteria from ground- water samples from Vasai, Thane District *Current World Environment*, Vol. 2(2): 187-192, 2007, **ISSN: 0973-4929.**
2. Effect of wheat extracts at different stages of growth as an antimicrobial or enhancing agent against human pathogens. *International Journal of Pharmacology and Biological Sciences* 1(2): 61-65, 2007, **ISSN: 0973-6808.**
3. Biodiversity studies on Vidyanagari campus of Mumbai University *Environmental Degradation and Management* 3: 19-24, 2007, **ISSN: 1477-7835.**
4. Efficiency of Ginger extract in controlling biofilm of *Klebsiella pneumoniae* *Biosciences Biotechnology Research Asia* 4(1): 301-303, 2007, **ISSN: 0973-1245.**
5. Consortium of Microorganisms: An ideal way of Composting Kitchen waste *Ecology, Environment and Conservation*, 14(2&3): 319-322, 2008, **ISSN: 0971-765 X.**
6. Microbiological Analysis of tissues of *Parreysia corrugata*. *Current World Environment* 5(1): 209-211, 2010, **ISSN: 0973-4929. Index Copernicus (IC) Value: 9.0.**

7. Investigation of Insecticidal potential of *Acorus calamus* and *Annona squamosa* ***Plant Archives*** 8(1): 431-432, 2008, **ISSN: 0972-5210**.
8. Effects of extracts of the sponge *Halichondria panicea* on angiogenesis and immunomodulation ***Bioscience Research Bulletin*** 24(2): 69-77, 2008, **ISSN: 0970-0889**.
9. Evaluation of Genetic diversity of pearly mussel, *Parreysia corrugata* by RAPD. ***Biomedical & Pharmacology Journal*** 3(1): 135-139, 2010, **ISSN: 0974-6242**. **Index Copernicus (IC) Value: 5.0**.
10. Use of p53 protein or its homologues isolated from freshwater bivalves as a pollution marker. ***Current World Environment*** 5(1): 189-192, 2010, **ISSN: 0973-4929**. **Index Copernicus (IC) Value: 9.0**
11. Avifauna of Mumbai University Campus ***Ecology, Environment and Conservation*** 14(2&3): 461-464, 2008, **ISSN: 0971-765 X**.
12. Pharmacognosial investigations of extracts of Pomegranate and Tamarind ***Bio-Science Research Bulletin*** 23(1): 51-55, 2007, **ISSN: 0970-0889**.
13. Screening of blue green algae from soil and its usefulness in Biosorption of heavy metal cadmium ***Bio-Science Research Bulletin*** 23(1): 13-17, 2007, **ISSN: 0970-0889**.
14. Analysis of water samples from a bivalve inhabiting dam Dhasai, Thane district ***Aquacult*** 9(1): 109-111, 2008, **ISSN: 0972-2262**.
15. Correlative changes in the pituitary gland and gonads of *Tilapia mossambica* (*Oreochromis mossambica*) from Koti Tirth Tank, Kolhapur District, Maharashtra ***Aquacult*** Vol. 9(1): 45-48, 2008, **ISSN: 0972-2262**.
16. Isolation and Characterisation of Moderate Halophiles from Salty Environments ***Aquacult***; 9(1): 63-66, 2008, **ISSN: 0972-2262**.
17. Observations on the length – weight relationship of *Tilapia mossambica* (*Oreochromis mossambica*) from Nath Sagar Dam, Paithan ***Aquacult***; 9(1): 23-27, 2008, **ISSN: 0972-2262**.
18. Evaluation of Butterfly Diversity at Vidyanagari Campus of University of Mumbai. 19(1): 185-189, 2007, **ISSN: 0970-5945**.
19. Wastewater Treatment and Recycling in Mumbai: an overview ***Journal of Nature Conservation*** 19 (1): 179-184, 2007, **ISSN: 0970-5945**

20. Contamination Development, Detection and Disposal in Animal Tissue Culture *Biosciences Biotechnology Research Asia*, 4(2); 817-820. **ISSN: 0973-1245. Index Copernicus (IC) Value: 9.0.**
21. Exploration of Biopesticidal Potential of *Acacia concinna* and *Momordica charantia*. *Biosciences Biotechnology Research Asia*, 4(2): 729-732, 2007, **ISSN: 0973-1245. Index Copernicus (IC) Value: 9.0.**
22. Phytochemical screening of *Moringa oleifera* using high performance thin layer chromatography. *Plant Archives* 10(2): 749-751, 2010, **ISSN: 0972-5210.**
23. Antibacterial activity & brine shrimp lethality test of extracts of *Ipomoea carnea* & *Clitoria ternatea* *Plant Archives* 10(2): 803-806, 2010, **ISSN: 0972-5210.**
24. Preparation and Comparative study of Chitosan from Shells of different Marine and Freshwater Prawns. *Biosciences Biotechnology Research Asia* 8 (2), 869-872, 2011, **ISSN: 0973-1245. Index Copernicus (IC) Value: 9.0.**
25. Immunomodulatory activity of *Carum copticum* leaf extracts. *Biomedical & Pharmacology Journal*. 3(1): 273-275, 2010, **ISSN: 0974-6242. Index Copernicus (IC) Value: 5.0.**
26. Microbiological Analysis of tissues of *Parreysia corrugata*. *Current World Environment* 5(1): 209-211, 2010, **ISSN: 0973-4929. Index Copernicus (IC) Value: 9.0.**
27. Extraction and characterization of enzyme invertase from *S. cerevisiae* isolated from spoiled grape samples *Journal of Pure and Applied Microbiology* 2(2): 457-461, 2008, **ISSN: 0973-7510.**
28. Isolation & characterization of enzyme invertase from halotolerant yeast. *Journal of Pure and Applied Microbiology* 2(2): 457-461, 2008, **ISSN: 0973-7510.**
29. Strain Improvement for the Increased Production of Beta-carotene by *Rhodotorula minuta* (3359). *Journal of Pure and Applied Microbiology* 6(2), 2012, **ISSN: 0973.**
30. Phytochemical analysis and effect of antimicrobial activity of *Cassia Tora* and *Anacyclus Pyrethrum*. *Plant Archives* 12 (1): 169-172, 2012. **ISSN: 0972-5210.**
31. Study of opsins as a colour producing factor in guppy fish (*Poecilia reticulata*). *Research Journal of Biotechnology*; 8 (7): 1-6, 2013.

32. Variation of LWS (long wave-sensitive) gene according to environmental changes in guppies (*Poecilia reticulata*).

Research paper Published in National Journals:

1. Tissue-specific Protein profiling of freshwater pearly mussel, *Parreysia corrugata*. *Journal of Aquatic Biology* 25(1): 103-107, 2010, **ISSN: 0971-4235**.
2. Effect of *Hibiscus rosa sinensis* on the copper mediated lipid per-oxidation & gill damage in *Cyprinus carpio*. *Journal of Aquatic Biology* 25(1): 205-210, 2010, **ISSN: 0971-4235**.
3. Evaluation of Stress during Transportation of freshwater mussel, *Parreysia corrugata* using Biochemical and protein markers. *Journal of Aquatic Biology* 25(1): 108-116, 2010, **ISSN: 0971-4235**.
4. Evaluation of algal and yeast biomass from bio-processed mango waste as an efficient feed source for aquaculture *Trends in Life Sciences* 22(1): 51-56, 2007, **ISSN: 0970-2504**.
5. New Records of Natural Enemies of *Spodoptera exigua* (Humb.) in Kolhapur, India, **Oikoassay**, Vol. 4: 21-22, 1987.

Patent:

Title: **Antimicrobial Sanitary Napkins.**

Date of publication: 11-16-2010.

Genbank (NCBI) Gene sequence deposition:

Submitted date (1 sequence): 11-11-2009.

“*Parreysia corrugata* gene for 18S ribosomal RNA, partial sequence”.

Submitted date (18 sequences): 16-02-2012.

1. “*Poecilia reticulata* isolate RF-01 long wave-sensitive opsin gene, partial cds”.
2. “*Poecilia reticulata* isolate RM-01 long wave-sensitive opsin gene, partial cds”.
3. “*Poecilia reticulata* isolate KM-01 long wave-sensitive opsin gene, partial cds”.
4. “*Poecilia reticulata* isolate MM-01 long wave-sensitive opsin gene, partial cds”.
5. “*Poecilia reticulata* isolate KF-01 long wave-sensitive opsin gene, partial cds”.
6. “*Poecilia reticulata* isolate AM-01 long wave-sensitive opsin gene, partial cds”.
7. “*Poecilia reticulata* isolate OBYF-01 long wave-sensitive opsin gene, partial cds”.
8. “*Poecilia reticulata* isolate PF-01 long wave-sensitive opsin gene, partial cds”.
9. “*Poecilia reticulata* isolate AF-01 long wave-sensitive opsin gene, partial cds”.
10. “*Poecilia reticulata* isolate PM-01 long wave-sensitive opsin gene, partial cds”.
11. “*Poecilia reticulata* isolate NM-01 long wave-sensitive opsin gene, partial cds”.
12. “*Poecilia reticulata* isolate OBM-01 long wave-sensitive opsin gene, partial cds”.
13. “*Poecilia reticulata* isolate NF-01 long wave-sensitive opsin gene, partial cds”.
14. “*Poecilia reticulata* isolate OBF-01 long wave-sensitive opsin gene, partial cds”.
15. “*Poecilia reticulata* isolate OBYM-01 long wave-sensitive opsin gene, partial cds”.
16. “*Poecilia reticulata* isolate DM-01 long wave-sensitive opsin gene, partial cds”.
17. “*Poecilia reticulata* isolate MF-01 long wave-sensitive opsin gene, partial cds”.
18. “*Poecilia reticulata* isolate DF-01 long wave-sensitive opsin gene, partial cds”.

Books Published:

1. **Aquaculture technology and environment.** Prentice- Hall of India Private Limited (PHI), New Delhi (In Press), 2008.
2. **Sanchay Sakshi** , A Marathi Novel, Chandraghani Publication, Kolhapur, 2001.

Research Journals Edited:

1. Environmental Degradation and management, Vol. III, Published by Society for Science and Environment, 2007.
2. Bio-Sciences Research Bulletin, Vol. 23, No. 1 (January- June), Published by An international Research Journal of Bio-Sciences, 2007.

- Plant Archives, Vol. 8 (1), Published by An International Journal of Plant Research, 2008.

Research Guidance:

Name of Students	Topic	Ph D degree awarded
Rajesh Chandrakant Patil	Studies on the Antimicrobial Principles of <i>Excoecaria agallocha</i> .	August, 2010.
Madhav Vasant Neela Upadhye	Study of the Biology and Genetic Diversity of Pearl Producing Freshwater Bivalve <i>Parreysia corrugata</i> (Muller) of Maharashtra.	March, 2011.
Samreena Hamid Baqal	Role of Opsin gene in sex and Speciation.	Ongoing work.

Training Courses /Refresher Course / orientation / Workshop completed:

(i) Training:

- Two months Training Course in Remote sensing Technology and Applications at NRSA, Hyderabad, 24-Oct-1990 to 12-Dec-1990.

(ii) Refresher courses:

1. U. G. C. Sponsored Refresher Course in Zoology, Organised by Dept. of Zoology, Shivaji University, Kolhapur, 27 Feb – 24 Mar., 1995.
2. Refresher Course in Environmental Science, Conducted by Academic Staff College, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Dec. 16, 1996- Jan.11, 1997.
3. Refresher Course in Zoology, Conducted by Academic Staff College, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Jan. 24-Feb 19, 2002.

(iii) Orientation:

1. Orientation Course, Academic Staff College, Goa University, Dec. 18-Jan. 13, 1990.

(iv) Workshop:

1. Workshop in ‘Analytical Instruments and their Application’ University Science instrumentations center, Shivaji University, Kolhapur, Nov. 1981.

Participation and Papers Presentation in Conferences/ Seminars:

International:

1. Assessment of Impact of Environmental factors on Ground water resources in Faridabad District, India, (Based on Remote Sensing Techniques). In: *Proceedings of 23rd international Symposium on Remote Sensing of Environment*, April, 18-25, 1990 held at Bangkok, Thailand Vol. II: 255-764, 1990.
2. Bacterial siderospores-a solution to mineral deficiency of soil at Global Sustainable 2nd Biotech Congress at Rajiv Gandhi Biotechnology Centre, R. T. M. Nagpur University, Nagpur during 18th to 21st December, 2006.
3. International symposium on current trends in Life sciences: Variation of LWS (long wave-sensitive) gene according to environmental changes in guppies (*Poecilia reticulata*). Organized by University of Mumbai, 9th March, 2012.
4. Aspects of Life Science in Human religious reality of India. 23rd General Conference of the world Fellowship of Buddhists at Guang Sha Monastery, Kao Hsiung, Taiwan from 19th to 23rd April, 2006.

5. Isolation of commercialized enzyme Polygalacturonase from Bombay duck and onion peel. Paper presented in 6th International Congress of Chemistry and Environment ICCE 2013 and 2nd International Society Bio technology Conference ISBT 2013. Antwerp, Belgium, 8th to 10th July, 2013

National:

1. Exploration of Bio-pesticidal Potential of *Acacia conciana* and *Memordica charantia* at National Conference on Environmental Technology: Biological Perspectives Issues and Challenges held at Department of Life Sciences, University of Mumbai during 9th to 10th February, 2006.
2. Study of Antibacterial and Antibiotic Bio-enhancing Effects of some plants at National Conference on Environmental Technology: Biological Perspectives Issues and Challenges held at Department of Life Sciences, University of Mumbai during 9th to 10th February, 2006.
3. De-fouling of Kitchen waste by using microbial consortium at National Symposium on Recent Trends in Life Sciences at Shri Pancham Khemraj Mahavidyalaya, Sawantwadi from 1st to 2nd December, 2006.
4. Investigation of antibacterial activity of *Aspaargus racemosus* and *Aloe vera* on MDR strains' at National Conference on Environmental Sciences: Current status and Emerging Challenges. Organised by Department of Botany, University College of Science, Mohanlal Sukhadia University, Udaipur, November, 16-17, 2007.
5. Isolation and characterization of Phenol degrading organisms from saline environment at National Conference on Advances in Pollution Control Technology. Organised by Dept. of Environmental Sciences, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, February, 26-27, 2008.
6. Effect of common plant extracts on human pathogens at National Conference on Environmental Technology: Biological Perspectives issues and Challenges at University Dept. of Life Sciences, Feb 9-10th, 2006.

7. Isolation of Hurulic acid from wheat grass and its microbial activity, Global Sustainable 2nd Biotech Congress at Rajiv Gandhi Biotechnology Centre, R.T.M. Nagpur University, Nagpur during 18th to 21st December, 2006.
8. Production of Bio-fertilizers from kitchen waste, National Symposium on Recent Trends in Life Sciences at Shri Pancham Khemraj Mahavidyalaya, Sawantwadi, December, 2006.
9. Studies on identification of antimicrobial compounds isolated from *Excoecaria ajallocha*- a molecular approach, National Conference on Environmental Sciences: Current status and Emerging Challenges. Organised by Department of Botany, University College of Science, Mohanlal Sukhadia University, Udaipur, November, 2011.
10. Phylogenetic analysis of fresh water bivalve *Parreysia corrugate*. Department of Biotechnology, University of Mumbai, Mumbai, Dec- 3rd to Dec- 4th, 2010.

Conferences/ Seminar/ Symposium attended:

1. The International Conference on: The effect of Sciences on Globalization, University of Pune and U.I.S.I.A, Fed- 7th and 8th 2011.
2. Biodiversity Conservation on India: Status and Approaches. Organised by Gopalkrishna Gokhale College, Kolhapur and Indian Women Scientists Association, Kolhapur Branch, 8 – 10th Jan- 2010.
3. Conference on Remote Sensing Applications of Natural Resources, held at National Remote Sensing Agency, Hyderabad, 1990.
4. National Symposium on Impact of Environmental factors on the Physiology of aquatic animals, held at Dept. of Zoology, Marathwada University, Aurangabad, March, 12-14, 1993.
5. Seminar on A history of Women movement in Maharashtra, Organised by Women's study Centre, Shivaji University, Kolhapur, March 15-16, 2002.
6. Seminar on Dalit women in India: Issues and Perspectives, Organised by Dept. of Sociology, University of Pune, Sept. 10-11, 1993.
7. Seminar on Dalit chalaval, Nave Sandharbha, Navi aawhane, Organised by 'Insaf' Aurangabad, Jan. 11-12, 1997.
8. Participated in Maharashtra Pradhyapika Parishad, Kolhapur, Oct. 31-Nov.1, 1993.

9. National Conference on Advances in Pollution Control Technology. Organised by Dept. of Environmental Sciences, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, February, 26-27, 2008.
10. National Science Day Celebrations Seminar on “More Crop per Drop” – A Strategy for water conservation organized by Department of Life Sciences, University of Mumbai on 28th February, 2007.
11. National level capacity Building workshop: Promoting Eco-agriculture for sustainability and climate impacts management. Mumbai, Dec- 19-20, 2011.

Administrative and other Experiences:

Head: Dept. of Zoology, Gopal Krishna Gokhala Collage, Kolhapur.

Admission committee,

Syllabus committee,

NSS committee,

Advisory committee,

Purchase committee,

Organizing committee of various conferences, symposium, and workshops.

Study tour committee,

BSc, MSc Examination paper setter, Examiner, Moderator.

Visits Abroad:

Thailand, Singapore, Honkong, Malaysia, Taiwan, Canada, UK., Belgium.