

RESUME

Name: Anuradha Atul Jape



Qualifications:

- PhD. in Microbiology
(Bharati Vidyapeeth Deemed to be University, Pune)
- Master of Science in Microbiology
(Savitribai Phule, Pune University, Pune)
- Diploma in Intellectual Property Rights
(Bharati Vidyapeeth Deemed to be University, Pune)

Experience:

- **Experience in Teaching:** 20 years
 - **Junior college:** 02 years
 - **Under Graduate class:**
18 years, Bharati Vidyapeeth Deemed to be University, Pune
 - **Post Graduate class:**
17 years, Bharati Vidyapeeth Deemed to be University, Pune
- **Research Experience:**
 - **National Chemical Laboratory,**
Biochemical Science Division, Pune: 6 years 7 months

Publications: Patent-1

Papers Publications:

- International: **11** National Journal: **03**
- Databases (Marine yeast gene sequences submitted to Gene Bank): **11**
- Fungal isolates submitted to National Depository NFCCI, Pune: **19**
- Conference presentations: International 16 National-6

Contribution in the activities of the institute:

- Contributed in the preparation and execution of M.Sc. Microbiology Course
- Active participation in organizing and conducting the co-curricular and extracurricular activities.
- Anchoring for the National and International conferences organized and cultural programs, organized at the college
- Active Member of team working for preparation NAAC and UGC committee visit.
- Propagation of importance of **Purvabhyas** (Mahayoga meditation) in improving educational outcomes and behavior among the students

Training/ workshop completed: 04

- ‘Gas Chromatography’ workshop organized by Venture Centre, National Chemical Laboratory, Pune, 20 Feb 2015
- ‘Teacher Tech 2014’ organized by IndSearch and ABEED,20-21 June 2014
- ‘Animal Tissue Culture Technique’ training organized by NCCS, Pune with Vidya Pratishthan, Baramati, July 2004
- Educational Video Production Workshop, Learning Centre of Savitribai Phule University, Pune under the (PMMMNMTT), by MHRD, Got. of India, May 2018

Research Area:**Polyunsaturated Fatty acids, Marine yeasts, Aerobiology, Plant Biotechnology****Research Projects:** Principal Investigator/Co-investigator/Project Assistant

Sr No	Project Title	Funding Agency/ Place of work/ role: PI /Co-PI/ PA I/PAII
1	Isolation, identification, characterization of marine yeasts for PUFA production and selection of lowcost media	University Grants Commission (UGC Delhi) 2013-2015 Principal investigator
2	A study to check the efficiency of selected mushroom strains to convert flax ALA into PUFA	Bharati Vidyapeeth Deemed To Be University, Pune2013-2014 Principal investigator
3	River Project on study of microbiological flora of MulaMutha River, Pune zone.	Dept. of Microbiology, Y.M. College of Arts, Sci. and Com., BVDU, Pune in association with MCC, National Centre for Cell Sciences Pune,2012-2014 Co-investigator from Dept.
4	Study of Indoor wall fungi Principal investigator	Dept. of Microbiology, Y.M. College of Arts, Sci. and Com., BVDU, Pune.2009
5.	Development of transgenic cotton cultivar resistant to bollworm	NCL, PUNE 1994-1997 PAII
6.	Turn-Key Project on development of Plant Tissue Culture laboratory, and cultures for Govt. of Hyderabad.	NCL, PUNE 1997-1999 PAII
7.	Biosorption of metals using bacteria	Agharkar Research Institute, Pune. M.Sc. Dissertation project 1993-1994

M.Sc. Projects guided:10

A. Details of research paper and Patent publications:

a. Patent:

Title of the invention: INTELLIGENT MULTIPLE REGRESSION ANALYSIS IN AGRICULTURE: CROP PRODUCTIVITY, RAINFALL, FERTILITY, HUMIDITY, TEMPERATURE USING MACHINE LEARNING. Application No.202121021761 A (19) INDIA,(22) Date of filing of Application :14/05/2021 (43) Publication Date : 02/07/2021

b. International Journals:

- 1 K.V. Krishnamurthy, S. Hazra, D.C. Agarwal, R. Kolala, S. M.Nalawade, A. V. Kulkarni (A. A. Jape) (1997), 'In vitro induction of multiple shoots and plant regeneration in cotton', **Plant Cell Reports**, 16,647-652.
1. K.V. Krishnamurthy, S. Hazra, D.C. Agarwal, R. Kolala, S. M.Nalawade, A. K. Banerjee,A. V. Kulkarni (A. A. Jape), (2000), 'Influence of explants, genotypes and culture vessels on sprouting and proliferation of pre-existing meristems of cotton (*Gossipium arborium*),'**In vitro Cell. Dev. Biol-Plant**,36,505-510.
2. S. Hazra, A.V.Kulkarni (A.A.Jape),S. M. Nalawade, A. K. Banerjee, K.V. Krishnamurthy, (2002), 'A rapid and simple method for *in vitro* plant regeneration from split embryo axes of six cultivars of cotton,'**Biologia Plantarum**, 45(2), 317-319.
3. A.A. Jape, M. V. Deshpande, V. Ghormade (2009), The Conference report of AMI -50Th Annual Conference, **Journal of Advanced Biotech**, 10(03), 05-08.
4. A. A. Jape, S. P. Dagade, (2010), 'Synthesis, characterization, antimicrobial activity and catalytic activity of Fe(III), Cu(II), Co(II) Schiff base complexes'**International Journal of Chemical Sciences**,8(4), 2655-2660.
5. A. A. Jape,S. P. Dagade(2012),Synthesis, characterization and antimicrobial study of Cr(III),Mn(III),Y(III),Zr(III) Schiff base complexes,'**International Journal of Chemical and Analytical Science**, '3(12),1672-74.
6. A.A.Jape,A.Wagale, N.Pawar, B.Priyanka(2013), 'A study to isolate the Alkaliphiles in theMulaMutha River of Pune'**AsianJournal ofMultidisciplinary Studies**, (6), 18-19.
7. A A. Jape,A. V. Harsulkar (2014), 'The improvement of *Pleurotus* spp. cultivated on soybean strawbed supplemented with flax seed meal'**International Journal of Science and Research**,4 (3),1273-1278.
8. A.A. Jape, A.M. Harsulkar, V.R.Sapre (2014), 'Modified Sudan Black B staining method for rapid screening of oleaginous marine yeasts' **Int. Journal of Current Microbiology and Applied Science** 3(9)41-44
9. A.A. Jape, A.M.Harsulkar, V.R. Sapre (2015), 'Enrichment of nutritional value of cornmeal with protein and PUFA using oleaginous marine yeasts in solid state fermentation',**International Journal of Pharma,BioScience** Jan; 6(1): (B) 1237 – 1245

10. **A. A. Jape**, V. R. Sapre, A. M. Harsulkar (2016), 'Marine yeasts from coastal waters of Kokan (India), as a promising source of polyunsaturated fatty acids', **Asian Journal of Multidisciplinary Studies** (4), 3122-126.

11. **Anuradha Jape(2021)**, A new simple method to preserve phage -A preliminary study *Journal of Microbiology, Biotechnology and Food Science*, Vol. 10 No. 5 (2021): Apr.-May

b. Institutional Journal

1. **P. Tauro**, A.A. Jape, **M. V. Deshpande**, (2009), 'The History of Microbiology in India', **AMI50Th Annual Conference- Abstract Book –Souvenir**, 65-70.

2. **A.A.Jape** (2010) 'Effect of explants and growth regulators on somatic embryogenesis in Marigold', **BVDU Journal** 2010 issue.

3. **A. A. Jape**, P.M. Jagdale, M.G. Bodhankar, V.R.Sapre(2012), Bacteriophages as natural, self-limiting antibiotics, in **BVDU Journal**, 2012 Issue.

c. Conference Presentations:21

1. K.V Krishnamurthy, S. Hazra, D.C. Agarwal, R. Kolala, S. M.Nalawade, A. V.Kulkarni(**A. A. Jape**)(1996), 'Induction of shoots and plant regeneration in cotton,' National Symposium on Plant Tissue Culture, XXI Meeting of PTCA, Delhi.

2. K.V Krishnamurthy, S. Hazra, D.C. Agarwal, R. Kolala, S M Nalawade, , A V Kulkarni, (**A. A. Jape**) (1996), 'Propagation of Indian cotton cultivars by tissue culture.International Group Discussion on role of Biotechnology, towards increasing and sustaining productivity in cotton,' Central Institute for Cotton Research, Nagpur.

3. **A.A. Jape**(2008) 'Microbiology of sick buildings', National Conference on Recent Trends and Strategic Developments in Biosciences:" Waghire College,Saswad, Pune.

4. **A.A. Jape**, Lobo S.(2009), 'Microbiology of Indoor Environments', The International Conference on Optimization and Development in Sciences, SPPU Pune, Pune.

5. **A.A. Jape**, A. V. Mujumdar(2009), 'Optimising parameters to reduce auxin requirement for regeneration via embryogenesis in *Tagetes erecta* and a study on its medicinal applications with special reference to its Raktasangrahi, Shothnashak properties', Global Ayurved Conference & Health Expo at Bharati Vidyapeeth University, Pune.

6. **A.A. Jape**, A. Harsulkar (2009), 'Microorganisms for PUFA production', 50th Annual Conference of Association of Microbiologists of India, at NCL, Pune.

7. **A.A. Jape**(2010)'Study of medicinal properties of Marigold', National Conference on New Frontiers in Herbal and Synthetic Drug Studies at Abeda Inamdar College, Pune.

8. **A.A. Jape** (2012) Bacteriophages as natural self-limiting antibiotics', "Biotechnology for better tomorrow- 2020" Aurangabad.

9. **A. A. Jape**, S.P. Dagade, (2012) Synthesis, characterization, antimicrobial study and catalytic activity of Cr(II),Mn(II),Y(III),Zr(II) Schiff base complexes International conference on current trends in medicinal plant research, Savitribai Phule University of Pune, Pune.

10. **A.A. Jape**, S.P.Dagade (2012) Comparative study of synthesis and characterisation , antimicrobial activity of Ti(IV), Zr(IV),Hf(IV) Schiff base complexes’, Seventh International conference on expanding horizons in chemical and biological science innovation crossroad.(ISCBC-12), University, Solapur.
11. **A.A. Jape**, S.P.Dagade (2012)‘Study of synthesis and characterization, antimicrobial activity of Ti(IV), Hf(IV) Schiff base complexes’ National seminar at Yashwantrao Mohite College, BVDU, Pune.
12. **A.A. Jape**, A. A. Kulkarni, (2012),’ Indoor wall fungi and its control using Y(III)complex. 53rd Annual Conference of Association of Microbiologists of India, Bhubaneshwar, Odisha.
13. **A.A. Jape**, (2013), ‘Prospecting marine yeasts for PUFA production’, Bio-Engineering Sciences, Present Status and Future Perspectives, DST with COEP, Pune.
14. **A.A. Jape**, V. R. Sapre, A.M. Harsulkar, (2014), ‘Poly Unsaturated Fatty acid Production using whey by marine *Candida tropicalis*’, Third Global Sustainable Biotech Congress CETYS University MEXICO, and Global Biotech Forum, Nagpur, NMU Jalgaon, INDIA.
15. **A. A. Jape**, S. P. Dagade, (2014), ‘Synthesis and antimicrobial activity of Zr and Cr Schiff base complexes,’ 2nd International conference on Herbal and Synthetic drug studies. Organized by ISTRA, Pune
16. **A.A. Jape**, S. Magdum BIOCAMP (2014), ‘E-waste management, biodegradation and Bioplastics’, Shivaji University, Kolhapur.
17. **A.A. Jape**, V. R. Sapre, A.M. Harsulkar (2016), ‘Biotechnological method for production of novel functional cereals’, International seminar on Pharmaceuticals to Nutraceuticals: A Pragmatic Approach SPPU Sinhad College of Pharmacy, Pune.
18. **A.A. Jape**, V. R. Sapre, A.M. Harsulkar (2016), ‘Bring back poly unsaturated fatty acids to enrich human food chain by PUFA enriched feed for poultry and dairy animals’, (HSDS-2016)3rd International Conference on Herbal and Synthetic Drug Studies’ organized by The Kansas University Medical Center, Kansas City, USA., M.C.E. Society’s Interdisciplinary Science and Technology Research Academy (ISTRA), Abeda Inamdar Senior College (Post Graduate Department of Chemistry and Research Center) &Allana College of Pharmacy, Azam Campus, Pune.
19. **A.A. Jape**, V. R. Sapre, A. M. Harsulkar, (2016), ‘Molecular identification of marine *Rhodotorula* yeast and its spectroscopic analysis establishes unsaturated fatty acid accumulation, “ICAAM 2016: Asian Medicine: Global Health, International Conference on Advances in Asian Medicine, organized by Society for Ethnopharmacology associated with International Society for Ethnopharmacology and Poona College of Pharmacy, BVU, Pune.
20. **A.A. Jape**, V. R. Sapre, A. M. Harsulkar (2016),‘Marine yeasts from coastal waters of Kokan (India), as a promising source of polyunsaturated fatty acids’, National Seminar: Current trends in Biodiversity conservation and climate change, at Y. M. College of Arts, Science and Commerce, BVU, Pune.
21. **A.A. Jape**,, T.V. Kulkarni, ASTRA 2017 A Study On Importance Of Purvabhyas In Improving Educational Outcomes, H. V. Desai College, Pune, 18-19th January,2017

22. **Anuradha A Jape (2020)** Polyunsaturated Fatty Acids as Nutraceuticals-Facts and challenges, International Conference on Future Prospects of Biotechnology and Bio-Medical Applications (ICFBB - 2020) on July 2-4th 2020

Contribution in Mahayoga and Meditation: Purvabhyas

- A. A. Jape (2012), Resource person, Mahayoga Global Meet 2012, Pune
- Regularly Conducting Purvabhyas sessions in Y.M. College of Arts, Sci. And Comm., Pune and at various schools.

Awards:(4)

1. Best Poster Award at International seminar on Pharmaceuticals to Nutraceuticals: A Pragmatic Approach organized by SPPU, Sinhadgad College Pharmacy, Pune 16-01- 2016
2. Best Paper Presentation Award “ICAAM 2016”,AsianMedicine: Global Health” International Conference on Advances in Asian Medicine, organized by Society of Ethnopharmacology associated with International Society for Ethnopharmacology and Poona College of Pharmacy, BVU, Pune, 03 to07-01-2016
3. Best Paper Presentation Award at the 17TH National Conference organized by Aerobiology Society of India, 6-8 thDec. 2012
4. Best Poster Award at the International conference of PTC at Jamia Milia Hamdard University, Delhi 2-5 Feb.1998

Recognition: (9)

1. "Invited Lecture Series "at Hoogly Women’s College on The title - Polyunsaturated Fatty Acids as Neutraceuticals.17July2020
2. Appointed as Associate faculty for developing course material in the Biotechnology for the subject of Plant Tissue Culture and Biofertilizer by **MITCON** 2003
3. Rapporteur at One Day Workshop–“To celebrate International Year of Chemistry,2011” organized by Maharashtra Academy of Sciences and National Chemical Laboratory, on 23rd Sept.2011
4. Writer and presenter of **educational programs**, at DD2 Doordarshan channel and Balchitrawani, **State Institute of Educational Technology,Pune** (1993-2012)
5. Speaker in the lecture series in Science, conducted by Shrimant Shri Dagadusheth Halwai Trust, Pune, on 04 March 2012
6. Invited as expert and content writer for **preparing study material in e-learning project by State Institute of Educational Technology,Pune (Govt. of Maharashtra project)**
7. Invited Speaker for **Akashwani, Pune** (Radio) Programs for **Popularization of Science Since 1993**
8. **Referee** for State Level Poster Competition for School Students, organized by, **Maharashtra Academy of Sciences, National Chemical Laboratory,2009**

9. **Examiner and paper setter at B.Sc., M.Sc. Microbiology and M.Sc. Organic Chemistry at Bharati Vidyapeeth Deemed To Be University, Pune.**

Personal Information:

Name : Dr. Mrs. Jape Anuradha Atul
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