



Name : **Dr.Mrs. Anuradha Atul Jape**
Present Designation : Assistant Professor in Microbiology
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Educational Qualifications : M.Sc. PhD. DIPR.

Teaching Experience:

- **Under-Graduate Level** : 17 years
- **Post-Graduate Level** : 14 years
- **Research** : 21 years

Awards and Honors: (11)

1. Rapporteur at One Day Workshop-“To celebrate International Year of Chemistry,2011” organized by Maharashtra Academy of Sciences and National Chemical Laboratory,2011
2. Writer and presenter of educational programs, at DD2 Doordarshan channel and Balchitrawani, **State Institute of Educational Technology, Pune** (1993-2012)
3. Speaker in the lecture series on ‘Plant Tissue Culture’ conducted by Shrimant Shri Dagadusheth Halwai Trust, Pune, 2012 and MES society’s BSM school, Pune (2019)
4. Invited as expert and content writer for **preparing Learning Objects in e-learning project by State Institute of Educational Technology, Pune (Govt. of Maharashtra project)**
5. Invited Speaker for **Akashwani, Pune (Radio) Programs for Popularization of Science Since 1993**
6. **Referee** for State Level Poster Competition for School Students, organized by, **Maharashtra Academy of Sciences (MASc)** and NCL, 2009
7. BEST POSTER AWARD at International seminar on Pharmaceuticals to Neutraceuticals: A Pragmatic Approach organized by SPPU, Sinhagad College Pharmacy, Pune (2016)
8. BEST PAPER PRESENTATION AWARD “ICAAM 2016”, Asian Medicine : 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, (2016)
9. BEST PAPER PRESENTATION AWARD at the 17TH National Conference organized by Aerobiology Society of India,(2012)
10. BEST POSTER AWARD at the International conference of PTC (Global meeting) at Jamia Milia Hamdard University, Delhi (1998)
11. A. A. Jape (2012), Resource person, Mahayoga: Global Meet 2012, Pune

Publications:

Research Papers published: (20), Data Bases Published (11) Fungal culture Deposited at National depository, Agharkar Institute,Pune(18)

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.
2. 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.
3. S. Hazra, A. V. Kulkarni (**A. A. Jape**), D.C. Agarwal, R. Kolala, 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.
 4. P. Tauro, **A.A. Jape**, M. V. Deshpande, (2009), ‘The History of Microbiology in India’. AMI -50th Annual Conference- Abstract Book –Souvenir, 65-70.
 5. **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.
 6. **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.
 7. **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.
 8. **A.A.Jape** (2010) ‘Effect of explants and growth regulators on somatic embryogenesis in Marigold’, *BVDU Journal* 2010 issue.
 9. **A. A. Jape**, P.M. Jagdale, M.G. Bodhankar, V.R. Sapre (2012), Bacteriophages as natural, self-limiting antibiotics, in *BVDU Journal*, 2012 Issue.
 10. **A.A. Jape**, A. Wagale, N. Pawar, B. Priyanka (2013), ‘A study to isolate the Alkaliphiles in the Mula Mutha River of Pune’ *Asian Journal of Multidisciplinary Studies*, (6), 18-19.
 11. **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.
 12. **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.
 13. **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
 14. **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

Research Papers / posters contributed/ presented at conference: (24)

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, Univ. of 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. Lobo (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, 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, 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, Bhubaneswar, Odisha.
13. **A.A. Jape**, (2013), 'Prospecting marine yeasts for PUFA production', BioEngineering 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 BIOCOMP (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, 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**, S. Muzawar (2020) National Conference PHAGE-A BOON IN DISGUISE -2020, M.C. E. Society's Abeda Inamdar College of Arts, science and Commerce, Pune .
22. **A. A. Jape** (2019), State level conference on Current Status Of River Water In Pune With Reference To Pollution, Management And Restoration, Savitribai Pune Univ., Pune and In Collaboration with P.G.K.M's Haribhai V. Desai College (Arts, Science and Commerce)
23. **A.A. Jape** A. Pawar, K. Gurav (2019) Study of marine yeasts for lipase production, National conference on recent trends in pure and applied Science BVU's Dr. Patangrao Kadam Mahavidyalay Sangli.
24. **A. A. Jape** S. Chavan (2020) Isolation, characterisation and extraction of bacterial pigments National conference on recent trends in pure and applied Science BVU's Dr. Patangrao Kadam Mahavidyalay Sangli.

Conferences /seminars attended: 40

Research Experience:**Projects:**

Sr	Project Title	Durati on	Place of work and role Principal investigator/Co-PI/ PA I/PAII
1	Isolation, identification, characterization of marine yeasts for PUFA production and selection of low cost media	2013-2015	UGC sponsored BVDU, Y. M. College, of Arts, Sci. Com, Pune Principal investigator
2.	A study to check the efficiency of selected mushroom strains to convert flax ALA into PUFA.	2013-2014	BVDU, sponsored Y. M. College, Pune Principal investigator
3.	River Project on study of microbiological flora of Mula Mutha River, Pune zone.	2012-2013	NCCS, Pune and BVDU, Y. M. College, Pune, Co-ordinator
4.	Development of transgenic cotton cultivar resistant to bollworm	1994-1997	NCL,PUNE PAII
5.	Turn-Key Project on development of Plant Tissue Culture laboratory, and cultures laboratory of Govt. Hyderabad.	1997-1999	NCL,PUNE PAII
6.	Biosorption of metals using bacteria	1992-1994	Agharkar Research Institute, Pune. (P. G. Project)

Academic Contribution: (1)

Working as Paper-setter and examiner at Undergraduate and Post-graduate examinations in Microbiology and Organic Chemistry Bharati Vidyapeeth University, Pune.

Memberships of Learned Academic Organizations:

1. Life member of Association of Microbiologist, India

Training/ workshop completed: 03

1. 'Gas Chromatography' workshop organized by Venture Centre, National Chemical Laboratory, Pune, 20 Feb 2015
2. 'Teacher Tech 2014' organized by IndSearch and ABEED, 20-21 June 2014
3. 'Animal Tissue Culture Technique' training organized by NCCS, Pune with Vidya Prtishthan, Baramati, July 2004
