

Mr. Amol Salagare



Designation: **Assistant Professor,**
Dr. D.Y. Patil Biotechnology & Bioinformatics Institute,
Dr. D.Y. Patil Vidyapeeth, Pune

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EDUCATIONAL QUALIFICATIONS:

M.Sc. in Microbiology (2006) – University of Pune- **First class**

CSIR UGC NET (2006) Qualified for LS category

Post graduate Diploma in Intellectual Property Rights (2009) –University of Pune

B.Sc. in Microbiology (2004) – University of Pune **First class, ranked Second (University topper list)**

Higher Secondary School in Science (2001) – Maharashtra State Board of Secondary and Higher Secondary Education (Pune) – **First Class with Distinction**

EMPLOYMENT EXPERIENCE:

1. Assistant Professor (Dept of Industrial Biotechnology and Microbiology) (Jan 2013 to till date): Dr. D. Y. Patil Biotechnology and Bioinformatics Institute, Tathawade, Pune-411 033
2. Lecturer (Dept of Industrial Biotechnology and Microbiology) (July 2007 to Dec. 2012): Dr. D. Y. Patil Biotechnology and Bioinformatics Institute, Tathawade, Pune-411 033
3. Production Officer (June 2006 to May 2007) Lupin Pharmaceutical Ltd, Biosar, Tarapur, Thane. Worked as production officer in fermentation plant

THEORY COURSES TAUGHT AT DPU

- Microbiology
- Fermentation Technology
- Biochemical Engineering
- Bioprocess Engineering
- Intellectual property rights, Biosafety and Bioethics

LABS/PRACTICALS COURSES TAUGHT AT DPU:-

- Practicals in Microbiology
- Practicals in Industrial Microbiology
- Practicals in Bioprocess Technology
- Practicals in Biochemical Engineering

PAPERS PUBLISHED IN SCIENTIFIC JOURNALS

1. Eeshan Pundalik, Sakshi Gore, Salagare Amol, Nawani Neelu and Tandon G D: Agricultural crop residue: A potent source for future Fuel. International Journal of Advanced Research in Science and Engineering, 6(12), 2017, 1183-1192.
2. Eeshan Pundalik, Salagare Amol and Tandon G D: Degradation of Azo Dyes Using Mycoremediation. International Journal of Pharmacy and Biological Sciences-IJPBSTM (2019) 9 (3): 159-169

PAPERS PUBLISHED IN PROCEEDINGS OF CONFERENCES

1. Tanvi Patil, **Amol Salagare**, G.D. Tandon (2019) Microbial production of 2nd generation bioethanol from individual as well as mixed residual feeds stocks. National Symposium on Recent Advances in Modern Biology and Biotechnology 2019 (RAMBB 2019) organized by Dr. D Y Patil Biotechnology and Bioinformatics Institute, Pune on March 14-16, 2019.
2. Rajat K.Paudel, **Amol Salagare**, Neelu Nawani and G. D. Tandon. (2018) Production of Second Generation Bioethanol from Mixed Lignocellulosic Feedstock. International conference on Biotechnological Research and Innovations for Sustainable Development and XV BRSI Convention (BIOSD-2018) organized by CSIR-Indian Institute of Chemical Technology, Hyderabad, India on 22-25th November 2018.
3. Sakshi Gore, Eeshan Pundalik, **Salagare. A D**, Nawani N. N., and Tandon G D. (2017) Agricultural crop residue: A potent source for future Fuel. 9th International conference on Recent Development in Engineering Sciences, (ESHM 2017) organized by Maratha Chambers of Commerce, Industries and Agriculture, Pune, India on 23rd December 2017.
4. Sakshi Gore, Eeshan Pundalik, **Salagare. A D**, Nawani N. N., and Tandon G D. (2017) Agricultural residual waste: A potential source for production of green fuel. DBT sponsored National Conference on Recent Trends in Food and Agricultural Biotechnology” organized by Sinhgad Institute of Technology, Pune during 14-15th September 2017.
5. Kulkarni Ninad, Rajat K., **Salagare A. D**. Nawani N. N. and Tandon, G. D. (2017) Physicochemical characterization of residual lignocellulosic feedstock for bioethanol production. “International conference in current trends in Bioenergy and its applications (ICCTBA -2017)” organized by Modern college of arts, science & commerce, Pune, Maharashtra during 3rd- 4th Feb 2017.
6. Dandane Nupur, Khaire Shraddha, Sumit T, **Salagare A. D**. Nawani N. N. and Tandon, G. D. (2017) Role of chemical pretreatment and enzymatic hydrolysis on lignocellulosic biomass for maximum saccharification “International conference in current trends in Bioenergy and its applications (ICCTBA -2017)” organized by Modern college of arts, science & commerce, Pune, Maharashtra during 3rd- 4th Feb 2017.
7. Sohail Shaikh*, Amol Salagare and GD Tandon (2016) Novel β - lactamase Inhibitors from Natural Sources to Curb Developing Antibiotic Resistance.3rd International Conference on "Herbal and Synthetic Drug Studies (HSDS-2016)" to be held at Dr. A. R. Shaikh Assembly Hall, Azam Campus, Camp, Abeda Inamdar Senior college, Pune-411001 Maharashtra (India) during 7th -9th Jan 2016.
8. Kritika Gupata, Jaydeep Bedse, Pathak S S, **Salagare A D**, Nawani N N and Tandon G D. (2013) Antimicrobial activity of some herbs and partially digested vegetables oils against the cariogenic streptococci isolated from dental plaque samples. International Conference on Advances in Biotechnology and Bioinformatics (ICABB-2013) and X convention of the Biotech Research Society, India, organized by Dr. D. Y. Patil Vidyapeeth Pune and Biotech Research Society, India at Le Meridian, Pune during 25th – 27th Nov. 2013.
9. S. Dubey, S. Pathak, K. Patil, P. Sharma, **A Salagare** and G. D. Tandon (2013) Penicillium piceum: a potential source for antimicrobial agents and beta-lactamase inhibitors. International Conference on Advances in Biotechnology and Bioinformatics (ICABB-2013) and X convention of the Biotech Research Society, India,

organized by Dr. D. Y. Patil Vidyapeeth Pune and Biotech Research Society, India at Le Meridian, Pune during **25th – 27th Nov. 2013**

10. Priyanka Pradhan, Fahama Riyaz, **Salagare A. D.**, Tandon G. D. and Nawani N. N (2013) Conservation of orchids by artificial soil abatement using agriculture and marine waste. International Conference on Advances in Biotechnology and Bioinformatics (ICABB-2013) and X convention of the Biotech Research Society, India, organized by Dr. D. Y. Patil Vidyapeeth Pune and Biotech Research Society, India at Le Meridian, Pune during **25th – 27th Nov. 2013**
11. Jaydip Bedse, **Salagare A. D.** and Tandon G. D. (2013) Antimicrobial activity of some herbs used in Indian dental formulations against the cariogenic streptococci. First International and third national conference on Biotechnology, Bioinformatics and Bioengineering organized by Society of Biotechnology, India at Tirupati during **28-29th June 2013**
12. Manoj Chaudhary, Kadyan S., **Salagare A. D.**, Nawani, N. N., and Tandoan G. D. (2012) Isolation, characterization and mutan production from cariogenic streptococci isolated from dental plaque samples. International conference on Biotechnology: Emerging Trends (ICB-2012), Dept of Biotechnology, Chaudhary Devi Lal University, Sirsa, Haryana, India, **Sep. 18-20, 2012**
13. Alok Kumar, Ashwini Kumar, Pooja Shrarm, **Amol Salagare**, N. N. Nawani and G. D. Tandon (2011) Production of Bioethanol from agricultural wastes. National Seminar on Frontiers in Biotechnology and Bioinformatics, Dr. D. Y. Patil Biotechnology and Bioinformatics Institute, Tathwade, Pune, **Feb. 2011.**
14. Kanishk Abhinav, Pooja Sharma, **Amol Salagare**, Shilpa Pathak, A. D. Deshmukh, V. G. Gadekar, N. N. Nawani and G. D. Tandon (2010) Ethanol production from agricultural commodity wastes. Research Meet 2010, Mithibai College, Vile-Parle, Mumabi, **Dec. 2010.**
15. Chetana Tamboli, Uma Mahashwari, **A. D. Salagare**, G. D. Tandon and N. N. Nawani (2010) Proteolytic enzymes from halotolerant microbes and their role in nutrient recycling in saline ecosystem. Research Meet 2010, Mithibai College, Vile-Parle, Mumabi, **Dec. 2010.**
16. Gadekar V. G.; Pathak SS, Mukherjee SR, Sanghani JA, Deshmukh AA, **Salagare AD**, Nawani NN, Tandon GD, and BP Kapadnis (2010) Effect of agricultural and bioindustrial waste on survival of acidophilic actinomycetes. UGC sponsored National conference on Emerging Trends of Biopharmaceuticals, Thapar University, Patiala, Panjab, India. **Nov. 2010.**
17. Pathak S., A. Bansal., S. Bhoir, K. Bhardhwaj, A. Deshmukh, A. Salagare, V. Gadekar, N. Nawani & G. Tandon. Synthesis of Biodegradable film from bacterial exopolysaccharide Nov. 2010. *National Conference on Emerging Trends in Biopharmaceuticals: Relevance to Human Health (NCETB)*, Patiala, Punjab, India, **Nov. 2010**
18. Tamboli. C.; **Salagare A. D.**; Tandon G. D. and Nawani N. N. (2010) Characterization of halotorent protease from *Halobacillus* sps ADN1, an isolate from mangrove soils, UGC Sponsored International Conference on “ Aquatic Microbiology: Status, Challenges and Opportunities” Annamalai University, Annamalai nagar, Tamilnadu, India, **Sep. 2010.**

19. Kanishk Abhinav, G. Joshi, R. Patel, **A. Salagare**, A. Deshmukh, A. Bhushan, S. Singh, A. Maurya, S. Pathak, S. Pawar, N. N. Nawani, and G. D. Tandon (2010) Non-edible lignocellulosic refuse as feedstock for microbial production of bioethanol. Climate Change Conference, University of Queensland, Brisbane, Australia, 8th-10th **July 2010**.
20. Pradhan P., S. V. Pawar, S. S. Pathak, **A. D. Salagare**, A. Deshmukh, N. N. Nawani and G. D. Tandon (2009) Utility of lignocellulosic and marine waste for enhancing growth of flowering plants. UGC sponsored National conference on “Climate change and challenges to biodiversity conservation”, Pune, India. **Dec 2009**.
21. Ankit Saxena, Megha Iyer, Nidhi Vishal, S. V. Pawar, S. S. Pathak, **A. D. Salagare**, A. Deshmukh, N. N. Nawani and G. D. Tandon (2009) Biofuel production from lignocellulosic residues by segregated saccharification and fermentation. UGC sponsored National conference on “Climate change and challenges to biodiversity conservation”, Pune, India. **Dec 2009 (2nd prize winner)**.

WORKSHOP/SEMINAR ATTENDED:

1. National seminar on Biotech Prospect for Industry and Individual Stakeholders-Challenges and Opportunities, organized by Mitcon Institute of Management, Pune, Sep. 17, 2011
2. XIIth Endo-US flow Cytometry International workshop organized by Dr. D. Y. Patil Biotechnology and Bioinformatics Institute Pune, on Oct.19-20, 2011.
3. International Symposium on Flow Cytometry, organized by Dr. D. Y. Patil Biotechnology and bioinformatics Institute, Pune on Oct. 4-5, 2012
4. Basic course workshop on Professional Education and Faculty Development organized by Dr. Dr. D. Y. Patil Vidyapeeth, Pune on 8th Dec. 2014.

SPECIAL ACHIEVEMENTS:

- 2nd rank in merit list in B.Sc. (Microbiology) from University of Pune, May 2004
- Cleared “Exploratory”, conducted by Bharatiya Vidya Bhavan, founded by Prof.V.G.Bhide
- Cleared “Chemiad” examination, conducted by the University Chemical Society during B.Sc. degree.
- Cleared NET (LS) Examination in Life Science conducted by CSIR-UGC in June 2006