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Total teaching experience	05 yrs
Total research experience	04 yrs
Publications	17 International Research Publications
Reviewer for International Journals	(1) Clean- Soil, Air, Water (2) Clean Technologies & Environmental Policies (3) Comptes Rendus Biologies (4) Austin Journal of Analytical & Pharmaceutical Chemistry (5) Food and Chemical Toxicology (6) International Journal of Physical Sciences.
Conferences	04 International, 01 National
Extracurricular	04 Workshops

Research Awards/Grants/Experience

- FCT Post-doctoral fellowship funded by Fundação para a Ciência e a Tecnologia [Foundation for Science and Technology (FCT)], Applied and Environmental Mycology lab, ITQB, Portugal. (Ranked third in merit list).
- *Research Assistant*, Dept. of Biochemistry, Shivaji University, Kolhapur, 'DST-PURSE program' from 5 September 2011 to 7 January 2013.

(a) Research Area/Research Interest

- (i) Chemical Signalling in microorganisms & secondary metabolite production
- (ii) Bioremediation
- (iii) Enzymology
- (iv) Process optimization

(b) Publications year wise

1. Saha S, Jeon B, Kurade MB, **Jadhav SB**, Chatterjee PK, Chang SW, Govindwar SP, Kim SJ (2018) Optimization of dilute acetic acid pretreatment of mixed fruit waste for increased methane production. *Journal of Cleaner Production* 190: 411-421. (IF = 5.715).
2. **Jadhav SB**, Chougule AS, Shah DP, Pereira CS, Jadhav JP (2014) *Clean Technologies and Environmental Policy* 17:709-720. DOI: 10.1007/s10098-014-0827-3. (IF = 3.331).
3. Chougule AS, **Jadhav SB**, Jadhav JP (2014) *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences* 84: 1059-1068. DOI: 10.1007/s40011-014-0313-z (IF = 0.396).
4. Patil SA, Surwase SN, **Jadhav SB**, Jadhav JP (2013) *Biochemical Engineering Journal* 74:36-45. DOI: <http://dx.doi.org/10.1016/j.bej.2013.02.021> (IF = 2.892).

5. Inamdar SA, Surwase SN, **Jadhav SB**, Bapat VA, Jadhav JP (2013) *Springer Plus*. 2:570-578. DOI: 10.1186/2193-1801-2-570.
6. Gurme ST, Surwase SN, Patil SA, **Jadhav SB**, Jadhav JP. (2013). *Indian Journal of Microbiology* 53:194-198. DOI: 10.1007/s12088-012-0346-z (IF = 1.290).
7. **Jadhav SB**, Surwase SN, Phugare SS, Jadhav JP. (2013). *International Journal of Environmental Science and Technology* 10:181-190. DOI: 10.1007/s13762-012-0088-9 (IF = 1.915).
8. **Jadhav SB**, Patil NS, Watharkar AD, Apine OA, Jadhav JP (2013). *Environmental Science and Pollution Research* 20:2854-2866. DOI: 10.1007/s11356-012-1155-y (IF = 2.741).
9. Surwase SN, Patil SA, **Jadhav SB**, Jadhav JP (2012) *Microbial Biotechnology* 5:731-737. DOI:10.1111/j.1751-7915.2012.00363.x (IF = 3.513).
10. **Jadhav SB**, Surwase SN, Kalyani DC, Gurav RG, Jadhav JP (2012) *Applied Biochemistry and Biotechnology* 168:1319-1334. DOI: 10.1007/s12010-012-9860-z (IF = 1.751).
11. Surwase SN, **Jadhav SB**, Phugare SS, Jadhav JP (2012) *3 Biotech* 3:187-194. DOI: 10.1007/s13205-012-0082-4. (IF = 1.361)
12. Kalyani DC, Telke AA, Surwase SN, **Jadhav SB**, Lee JK, Jadhav JP (2012) *Clean Technologies and Environmental Policy* 14:989-1001. DOI: 10.1007/s10098-012-0473-6 (IF = 3.331).
13. **Jadhav SB**, Yedurkar SM, Phugare SS, Jadhav JP (2012) *Clean- Soil, Air, Water* 40:551-558. DOI: 10.1002/clen.201100236 (IF = 1.838).
14. **Jadhav SB**, Phugare SS, Patil PS, Jadhav JP (2011) *International Biodeterioration and Biodegradation* 65:733-743. DOI: <http://dx.doi.org/10.1016/j.ibiod.2011.04.003> (IF = 2.962).
15. Tamboli DP, Telke AA, Dawkar VV, **Jadhav SB**, Govindwar SP (2011) *Biotechnology and Bioprocess Engineering* 4:661-668. DOI: 10.1007/s12257-011-0031-9 (IF = 1.168).
16. Patil PS, Phugare SS, **Jadhav SB**, Jadhav JP (2010) *Journal of Hazardous Materials* 181:263-270. DOI: <http://dx.doi.org/10.1016/j.jhazmat.2010.05.006> (IF = 6.065).
17. Jadhav JP, Phugare SS, Dhanve RS, **Jadhav SB** (2010) *Biodegradation* 21:453-463. DOI: 10.1007/s10532-009-9315-6 (IF = 2.018).

❖ Scopus Citations = 246, Scopus h Index = 8.

(c) *Invited/Conference Talks* --

(e) *Paper Presentation in National/International Conferences/Symposia*

- Attended “National Seminar on Recent Trends in Science and Technology for Sustainable Developments-2018 (RTSTSD-2018)” organized by The Institute of Science, Mumbai in collaboration with National Gallery of Modern Arts (NGMA), Mumbai, 22-23rd March 2018.
- **Jadhav SB**, Phugare SS, Inamdar SA, Patil AV, Jadhav JP. “Kerosene biodegradation by an isolated bacterium from oil contaminated soil” presented at *International conference on Emerging Trends in Biotechnology and 6th annual convention of the Biotech Research Society, India*. Banaras Hindu University, Varanasi, India. (Dec 2009).

- **Jadhav SB**, Chougule AS, Jadhav JP. "Decolorization and process optimization of textile effluent by *Pseudomonas* sp. SUK1". *International conference on "Sustainable water resource development and management"*. Dept. of Environmental Science, Shivaji University, Kolhapur, India. (Dec 2012).
- Patil PS, **Jadhav SB**, Phugare SS, Jadhav JP. Degradation analysis of Reactive Red 198 by hairy roots of *TagetesPatula*L. (Marigold) "*Biotechnology for better tomorrow (BTBT)*". Aurangabad (February 2011).
- Phugare SS, **Jadhav SB**, Inamdar SA, Patil AV, Jadhav JP. "Evaluation of dimethoate biodegradation efficiency of bacterial isolate and analysis of degradation metabolites" presented at *International conference on Emerging Trends in Biotechnology and 6th annual convention of the Biotech Research Society, India*. Banaras Hindu University, Varanasi, India. (Dec 2009).
- Patil PS, **Jadhav SB**, Shedbalkar UU, Kalyani DC, Jadhav JP. Reactive Red 120 degradation potentials of individual and mixed microbial culture. In: '*50th Annual conference Association of Microbiologist of India (AMI)*', NCL, Pune. (December 2009).

(f) *Projects (Completed & Ongoing)* --

(g) *Research Guidance (Ph.D. & Msc by Research)*--

(h) *Activities*

- Three day hands on workshop on "Flow cytometry: Basics, Apoptosis, Cell Cycle, Cell Viability and Data Analysis" at Venture centre, Pune, 16-18 April 2018.
- Workshop on "PCR application approach" of BioEra Research & development Pvt. Ltd., India 2013.
- "A Brain-storming session for Application of Technology for Sustainable development in the state of Maharashtra" organized by Maharashtra Academy of Sciences (MASc) and Shivaji University, Kolhapur, November 2012.
- Two day workshop on "Research writings, Ethics, Plagiarism and Publishability" organized by Inter Quality Assurance Cell (IQAC) and SUK, July 2012.
- Workshop on "Analytical Instrumentation Chemistry" organized by USIC Department of Shivaji University, Kolhapur in 2007.

(i) *Topics taught*

- Amino acids, Proteins and metabolism
- Enzymology
- Immunology
- Biochemistry of Nerve tissue
- Bio-organic chemistry