


|   |                      |                            |                      |                                    |
|---|----------------------|----------------------------|----------------------|------------------------------------|
|  | <b>Name</b>          | Dattatray Bhagawan Jadhav  |                      |                                    |
|   | <b>Designation</b>   | Assistant Professor        |                      |                                    |
|   | <b>Department</b>    | Mechanical Engineering     |                      |                                    |
|   | <b>Qualification</b> | M. E. Mechanical (CAD/CAM) |                      |                                    |
|   | <b>Contact No.</b>   | 9960607745                 | <b>Ph. Extension</b> | 291                                |
|   | <b>Email ID</b>      | dbjadhav@bvucoep.edu.in    |                      |                                    |
|   | <b>Experience</b>    | <b>Teaching:</b>           | 15 years 7 month     | <b>Industry/ Research:</b> 8 years |

|  |  |   |   |    |
|--|--|---|---|----|
| <b>Title of PhD Thesis/ M. Tech. Dissertation:</b> | Effect of Process parameters on performance measure of hybrid electrochemical machining.   |   |   |    |
| <b>Research Area</b>                               | Advanced Manufacturing Technology, Hybrid machining, CAD/CAM   |   |   |    |
| <b>Research Publications</b>                       | <b>International Journal (s):</b>  | 13  | <b>National Journals (s) :</b>                        | 00 |
|  | <b>International Conference (s):</b>   | 00  | <b>National Conference:</b>                           | 01 |
| <b>Research Metrics</b>                            | <i>Google Scholar Citations:</i><br><i>H Index: &amp;I 10 Index: 2, 0</i>  | <i>SCOPUS Citations:</i><br><i>H Index: 2</i> | <i>Web of Science citations:</i><br><i>H Index: 0</i> |    |
| <b>Publication Details</b>                         | <b>Publications in International Journals</b>  |   |   |    |
|  | <div>1. Jadhav D.B., Jadhav P.V., Bilgi D.S., “Anodic Dissolution of Gamma Titanium Aluminide GE 48-2-2, TNM B1 and TNB V5 Materials using Electrochemical Machining Electrolytes for Aviation Application”, International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Vol.10, Issue - 3, June 2020, pp. 11001-11010.</div> <div>2. Pravin Kumar, Pradeep Jadhav, Mahavir Beldar, D.B. Jadhav, Abhay Sawant, “Review Paper on ECM, PECM and Ultrasonic Assisted PECM”, Materials Today Proceedings, Vol. 5, Issue 2, Part 1,2018, pp. 6381-6390, [ISSN 2214-7853]</div> <div>3. D B Jadhav, Prof. P. V. Jadhav , Prof. D S Bilgi , A. A. Sawant, “Experimental Investigation of MRR on Inconel 600 using Ultrasonic Assisted Pulse Electrochemical Machining”, International Conference on Mechanical, Materials and Renewable Energy,377 2018, pp.1-12.[ISSN 1757-899X]<br/>"Development of an Electrochemical Machine Set up and Experimentation /I International Journal of Engineering Research and General Science (IJERGS), Vol. 4, Issue 3, May June 2016 ,pp.652-659.ISSN. 2091-2730.</div> <div>4. "Experimental Investigation on MRR of Pulse Electrochemical machining {PECM} based on Taguchi Method, International Journal of Innovative Research in Science, Engineering and Technology, Vol. 3, Issue 1, 2014, pp.8800-8809.</div> |   |   |    |

|  |  |
|--|--|
|  | <ol style="list-style-type: none"> <li>5. "A study of free vibration analysis of fixed free configuration beams using EMA Techniques" <i>Indian Journal of applied Research (/JAR)</i>, pp. 597-599, June. 2015, Vol. 5, issue 6, ISSN. 2249-555X.</li> <li>6. "Design and Development of a Multi-Configuration Beam Vibration Test Setup" <i>International Journal of Mechanical Engineering and Technology (IJMET)</i>, pp. 25-33, May. 2015, Vol. 6, issue 5, ISSN. 0976-6359.</li> <li>7. "CFO Analysis of Electrolyte flow Pattern in Pulse Electrochemical machining" <i>International Journal of Engineering Innovations and Research (IJEIR)</i>, pp. 358- 364, June 2014 , vol 3,issue3, impact factor 3.12, ISSN. 2277-5668.</li> <li>8. "CFO Analysis of Electrolyte flow Pattern in Pulse ECM and to Optimize Process Parameters for Circular Tool" <i>International Journal of Engineering Research and General Science (IJERGS)</i>, pp. 266--275, June 2014 impact factor 3.843, ISSN. 2091-2730.</li> <li>9. "Synthesis and Parametric Investigation of Nanofibers by Using Electrospinning Process" <i>PARIPEX- INDIAN JOURNAL OF RESEARCH</i>, pp. 101-103, June. 2013, Vol.3, Issue.5, ISSN. 2250-1991.</li> <li>10. "Enhancement in Mechanical Properties by VARTM Process &amp; Nylon Nanofibers in Advanced Composite Material" <i>PARIPEX- INDIAN JOURNAL OF RESEARCH</i>, pp. 112-114, June. 2013, Vol.3, Issue.5, ISSN. 2250-1991.</li> <li>11. "Enhancement of Surface finish for CNC turning cutting parameters by using Taguchi Method" <i>PARIPEX- INDIAN JOURNAL OF RESEARCH</i>, pp. 88-91, June. 2013, Vol.3, Issue.5, ISSN.2250-1991.</li> <li>12. "Comparative Analysis of Viscoelastic Material support for rotating Machinery" <i>INDIAN JOURNAL OF APPLIED RESEARCH</i>, pp. 63-67, Dec. 2012, Vol.2, Issue.3, ISSN. 2249-555X.</li> </ol> <p><b>Publications in Conference Proceedings</b></p> <ol style="list-style-type: none"> <li>1. "Modelling and Analysis of Sugar Mill Housing Using Finite Element Method" <i>National Conference on Recent Advances in Manufacturing Technology {RAMT- 2005}. Department of Mechanical Engineering National Institute of Rourkela and Institute of Engineers{IEI} Rourkela Local Centre ,Orissa, October 22-23, 2005.</i></li> </ol> |
| <p><b>Workshop/<br/>Seminar/<br/>Conference<br/>attended</b></p> | <p><b>Workshop/ Seminar/Conference Attended</b></p> <ol style="list-style-type: none"> <li>1. ATAL course on Hybrid Electric Vehicle 1-5 Feb 2019.</li> <li>2. NPTEL online Certification course Introduction to Mechanical Micromachining with 70% consolidated score during Jan –Apr 2019.</li> <li>3. NPTEL online Certification course Basics of Finite Element Analysis I with 88% consolidated score during Feb –Apr 2019.</li> <li>4. Five Days Proficiency Improvement Program (Certification Course) on "Advanced Material and Characterization" organised by Automotive Research Association of India (ARAI), Pune at ARAI-FID, Chakan from 2-6 Jan 2017.</li> </ol>   |

5. One Week Global Initiative of Academic Network (GIAN) course on "Micro and Nano Manufacturing Processes" held at IIT Madras during 5-10 December 2016.
6. Five-day faculty Training program on Automation studio, Pro-simulator (Power Plant Simulator), Delcam (CAD CAM simulation), Witness Simulation and CNC Simulator, held at the BVDU college of Pune between 29June-03 July 2016.
7. Two-day faculty development program on CAD-CAM automation Using Delcam, open CIM/FMS and Witness, Power plant simulation, pneumatics and mechatronics, held at the PVG college of Eng. and technology Pune on 1st&19th September 2015.
8. One Week AICTE Sponsored Short Term Course on "Micromanufacturing" held at IIT Kanpur during June 29- July 03,2015.
9. Two days' Workshop on "Design of Experiments" (DOE) at BVUCOE Pune-43, March 14-15, 2015.
10. Three Days Participation at 5th International and 26th All India Manufacturing Technology, Design and Research Conference AIMTDR 2014 organised by Department of Mechanical Engineering IIT Guwahati India from 12-14 Dec.2014.
11. 3rd Theme Meet on Micro Nano Technology in Service of Rural India, held at SVERI's College of Engineering, Pandharpur during April 25-26,2014.
12. One Week Quality Improvement Program on "Modelling and Simulation using Finite Element Methods" held at IIT Roorkee on 7-11Jan 2014.
13. Bharati Vidyapeeth University Sponsored Faculty Development Programme on "Quality Improvement Schemes of Various Funding Agencies" at BVUMC Pune-43, 19th October 2013.
14. TEQIP-11 Sponsored Workshop on "Personal Effectiveness and Career Progression" at BVUCOE Pune-43, 29th March 2013.
15. TEQIP sponsored one-week Interdisciplinary faculty development Program on "Research Methodology: Tools and Techniques" held at SGGS Nanded Maharashtra India on March 11-15, 2013.
16. TEQIP-11 Sponsored Workshop on "Key to Managing Personal Energy and Work Life Balance" at BVUCOE Pune-43, 21Feb. 2013.
17. TEQIP-11 Sponsored Workshop on "Good Teaching Practices and Challenges" at BVUCOE Pune-43, 25th Jan 2013.
18. One Day Workshop on "Geometry Modelling using Solid Works" held at P.E.S.'s Modern College of Engineering, Pune on Jan8-9,2010.
19. Industrial training at Marico Ltd. Jalgaon, Dec.5-7,2005.