

## Dr. ATUL B. BORADE

- Rajendra Saw Mill, Nehru Timber Market, Gandhinagar, Amravati, Maharashtra, India, 444606
- **Contact** +919763702566 **Born on** : 24-02-1976
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**Post Doctoral Fellow (Visiting)** : National Institute of Transports and Logistics, Dublin Institute of Technology, Dublin, Ireland, [ March –April 2012]  
\*Project Title: Decision support system for VMI supply chain decisions: A case study  
\*Adviser: Prof. Edward Sweeney (Director of Learning, NITL, DIT, Bolton Street, Dublin, Ireland)

: Southern University of Denmark, [October 2012]  
\*Project Title: An Evaluation of Vendor Managed Inventory Practices from Indian SMEs  
\*Adviser: Prof. Govindan Kannan (Department of Business and Economics, Southern University of Denmark, Odense, Denmark)

: Institute of Production Engineering ,Czestochowa University of Technology, Czestochowa,Poland, [ May –June 2013]  
\*Project Title: Barriers to VMI :An ISM –Fuzzy ANP based study  
\*Adviser: Prof. Renata Stasiak-Betlejewska ( Institute of Production Engineering, Faculty of Management, Czestochowa University of Technology,Poland)

**Visiting Professor and Researcher** : National Scholarship Programme, Slovakia, [May–June 2014]  
Faculty of Material Science and Technology in Trnava , Slovak University of Technology in Bratislava  
\*Project Title: Study of VMI practices in Slovak Industrial Enterprises  
\*Adviser: Prof. Jana Sujanova (MTF, Institute of Industrial Engineering and Management , STU,Slovakia)

### Education

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#### PhD, Engineering and Technology

: Amravati University, Maharashtra, India, 2010  
\*Dissertation Topic: Analysis of vendor managed inventory programme in supply chain for some organizations

**M.E, Production Technology & Management**

: Amravati University, Maharashtra, India, 2005

\*Dissertation Topic: Design and fabrication of welding robot.

**M.B.A, Marketing Management**

: Amravati University, Maharashtra, India, 1998

\*Dissertation Topic: Study of Indian scenario of two wheeler vehicles.

**B.E, Mechanical Engineering**

: Amravati University, Maharashtra, India, 1996

\*Project Topic: Development of software in "C" for some operation research applications

**RESEARCH INTERESTS** : Supply Chain Management, Vendor Managed Inventory, Ergonomics, Production and Operation Management

**PROFESSIONAL EXPERIENCE**

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**Government Polytechnic, Directorate of Technical Education, Maharashtra, India**

**Principal:** July 2018-Present

Includes all duties of Principal, planning and administrating academic activities of the institute, planning and managing financial activities of the institute, planning and administrating development activities of the institute, monitoring performance of teaching and non teaching staff, adapting AICTE, MSBTE guidelines , adapting government policies for staff, student and Institute developement

**Jawaharlal Darda Institute of Engineering and Technology, Yavatmal, MS, India**

**Professor and Head of the Department:** July 2010-July 2018

Includes all duties of Professor, carrying out research activities, planning and executing departmental activities, administrative activities, curriculum development, staff appraisals, preparing institute development proposals, industry institute interaction, etc

Includes all duties of Head of the Department, academic monitoring, performance appraisals, financial planning, preparing for various committees

**Jawaharlal Darda Institute of Engineering and Technology, Yavatmal, MS, India**

**Dean Research and Development:** October 2011- October 2014

Includes coordinating research activities of the institute, planning and executing research activities for the institute, motivating students and staffs to identify thrust areas, assisting staff and students in manuscript writing, editing for journal and conferences, planning and executing collaborative issues, planning and executing research proposals for various agencies

**St.Vincent Pallotti College of Engineering and Technology, Nagpur, MS, India**

*Department of Mechanical Engineering*

**Assistant Professor:** September 2008- July 2010

Includes all duties of Assistant Professor, carrying out research activities, planning departmental activities, assisting Head Of Department in administrative activities, assisting fellow staffs in research activities guiding students for projects and paper presentation, teaching undergraduate students, conducting exams, conducting labs, mentoring students, expediting institute level activities, assisting equipment procurement process and so forth

**Jawaharlal Darda Institute of Engineering and Technology, Yavatmal, MS, India**

*Department of Mechanical Engineering*

**Senior Lecturer:** July 2005-September 2008

Includes all duties of Senior lecturer, planning yearly departmental activities, seeking student's feedback to improve teaching learning process, handling grievances of students, assisting fellow staffs in research activities, guiding students for projects and paper presentation, teaching undergraduate students, conducting exams, conducting labs, mentoring students, expediting institute level activities, assisting equipment procurement process and so forth

**Jawaharlal Darda Institute of Engineering and Technology, Yavatmal, MS, India**

*Department of Mechanical Engineering*

**Lecturer:** July 1998- July 2005

Includes all duties of lecturer, teaching undergraduate students , conducting experiments, conducting exams, working as internal and external examiner, facilitating students in library related activities, guiding and mentoring students in personality development, providing a platform for students through departmental students club, expediting all department level and institute level activities.

## SKILLS:

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### Languages

English: fluent; Hindi, Marathi: advanced

### IT Skills

Statistical Software: SPSS, XLSTAT

## COURSES TAUGHT:

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Industrial Management and Costing, Advanced Manufacturing Systems, Machine Drawing, Fluid Mechanics, Manufacturing Process, Production Planning and Control, Operation Research

## UNIVERSITY RELATED ACADEMICS

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- Recognized Phd supervisor in SGB Amravati University in Production Engineering (Three Research Scholars have been awarded PhD and One Scholar have Submitted thesis)
- Recognized Phd supervisor in SGB Amravati University in Mechanical Engineering (Two Research Scholars have Submitted Thesis)
- Recognized Phd supervisor in RTM Nagpur University in Mechanical Engineering ( One Research Scholar has submitted Thesis )
- Worked as Member of BOS of Production Engineering ,SGB Amravati University
- Worked as Member Faculty of Engineering , SGB Amravati University

## EDITORIAL BOARD AND REVIEWER ASSIGNMENTS

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### (A) Editorial Board Served Previously

- International Journal of Manufacturing Science and Manufacturing Management (Serials Publishers, New Delhi, India)
- International Journal of Information Technology and knowledge Management (Serials Publishers, New Delhi, India)

### (B) Editorial Board Serving Currently

- **Editor in Chief** with International Journal of Manufacturing Systems (Academic Publishers, U.S)
- Technical Editor with Asian Journal of Industrial Engineering (Academic Publishers, U.S)
- Contemporary Management Research

- (Academic Journals Republic of China)
- International Journal of Business Management and Research  
(CSC Journals, Malaysia)
- World Academy of Science Engineering and Technology  
(WASET Journals, USA)
- International Journal of Information Management  
(HumanPub Journal, Korea)
- Academy of Contemporary Research Journal
- Journal of Management Science and Practice (BrownPublishing,U.S.)
- American Journal of Industrial Engineering ( Scipub,U.S )

### **(c) Reviewer Assignments**

- Omega (Elsevier Publishers)
- Journal of Cleaner Production (Elsevier Publishers)
- International Journal of Production Reserach (Elsevier Publishers)
- International Journal of Advanced Manufacturing Technology  
(Springer Publishers)
- Chinese Journal of Industrial Engineering (T and F Publishers)
- Journal of Manufacturing Technology and management (Emerald Publishers)
- Computers and Mathematics with Applications ( Elsevier Publishers)
- Computers and Industrial Engineering (Elseveir Publishers)
- International Journal of Production Economics( Elsevier Publishers)
- Journal of Environmental Engineering (Inderscience Publishers)
- International Journal of Logistics Systems and Management (Inderscience Publishers)
- Journal of Industrial Engineering and Management  
(Universitat Politècnica de Catalunya , Spain)
- Journal of Information, Information Technology and Organizations  
(Informing Science Institute Publications, U.K)
- Journal of Information System And Technology Management  
(University of São Paulo – FEA, Brazil)
- Journal of Manufacturing Engineers (Society of Automotive Engineers ,India)
- International Journal of Industrial Engineering, Theory, Practice(U.S.A)
- Strategic Journals International (U.S.A)
- African Journal of Business Management

## **MEMBERSHIP , HONOURS AND GRANTS**

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### **Membership of Professional Bodies**

- Member Institute for Supply Management
- Society of Automotive Engineers , India
- Member Business Performance Research Group

- Member Institute of Business Forecasting
- Member Indian Institute of Industrial Engineering
- Member International Association of Engineers
- Member of Indian Society for Technical Education
- Member of Society for Inventory Management Benchmarking Analysis

### **Honors:**

- 1) Nominated for Marquis Who's Who in the World 2015-16
- 2) Nominated for Marquis Who's Who in the World 2014-15
- 3) Nominated for Marquis Who's Who in World 2013-14
- 4) Nominated for Marquis Who's Who in World 2012-13
- 5) Nominated for Who's Who in Medicine and Healthcare 2011-2012
- 6) Nominated for International Biographical Centre, of Cambridge, England's Top 100 Educators
- 7) Nominated for American Biographical Institute's Great Minds of 21<sup>st</sup> Century
- 8) Nominated for Best Teacher Award by NFED, India, for 2013

### **Grants:**

- 1) Received a Visegrad Standard grant, for a project "Quality Makes Difference" granted by Visegrad Fund as a partner registered ID # 21520171 under Croation Quality Managers Society to organize 17 th International Symposium on Quality on 16-18 March 2016 at Zadar, Croatia.
- 2) Received a MODROB grant of Rs 8, 10,000 as a Principal Investigator for modernization I.C engine laboratory at Jawaharlal Darda Institute of Engg. and Technology, Yavatmal (M.S.), India. Ref.No. 8024/RIFD/MOD-119(Pvt.)/Policy-III/2011-12
- 3) Received a MODROB grant of Rs 15, 00,000 as a Principal Investigator for MODROBS for Centre of Excellence in PLM at Jawaharlal Darda Institute of Engg. and Technology, Yavatmal (M.S.), India. Ref.No. 12/AICTE/RIFD/MOD(Policy-3)/Pvt-52/2012-13

### **Patent :**

- 1.Indian Patent published : A Pouch Leakage Detection Device (3387/MUM/2013) Dt: 17/07/15

## Scholarship:

1. Awarded and availed scholarship through **National Scholarship Programme , Slovakia** as a Visiting Reseracher and University Professor for May-June 2014 at Faculty of Material Science and Technology in Trnava , Slovak University of Technology in Bratislava

2. Awarded scholarship through **National Scholarship Programme , Slovakia** as a Visiting Reseracher and University Professor for 2015 at Faculty of Material Science and Technology in Trnava , Slovak University of Technology in Bratislava ( Not Availed)

## Award:

**“Young Researcher Award”** by Global Research & Development Services’ Conference Committee at 16th International Conference on Green and Sustainable Technology (GSUS), Paum Kelab Club House, **Kuala Lumpur, Malaysia** , May 2016

## Author Indices: h-index 8

### Publications (Research Topic)

1. Borade, A.B and Sweeney ,E. ( 2015) , “Decision Support System for Vendor Managed Inventory Supply Chain: A Case Study”, International Journal of Production Research, 3:16, 4789-4818, **(Impact Factor 1.477)**
2. Borade, A.B Kannan G. and Bansod,S.V (2013),” Analytical hierarchy process based framework for VMI adoption”, International Journal of Production Research, Vol 51(4),963-978 [ **Impact Factor 1.460**]
3. Shen, L., Kannan,G. ,Borade,A.B.,Diabat,A. and Kannan D. (2013) “An Evaluation of Vendor Managed Inventory Practices from Indian SMEs” ,Journal of Business Economics and Management, [ **Impact Factor 2.388** ],Vol. 14 (S1),S76-S95
4. Borade A.B. and Bansod S.V.(2012), “Interpretive structural modeling based framework for vendor managed inventory” International Journal of Advanced Manufacturing Technology, Vol . 58 .1227–1242 [**Impact Factor 1.205**]
5. Borade,A.B and Bansod,S.V (2012) ,“ Study of Vendor Managed Inventory practices in Indian SMEs; Select Differences in Manufacturing and Service sector”, International Journal of Logistics and Supply Management ,Vol. 11(4), 450-472 **(SCOPUS Indexed)**
6. .Borade,A.B and Bansod,S.V (2011) “Comparison of forecasting methods using multi-criteria decision making tools: A Case Study “, Supply Chain Forum: An International Journal, Vol 12(4), 1-14(**SCOPUS Indexed**)

7. Borade,A.B and Bansod,S.V (2011) ,“ Neural network Based Vendor Managed Forecasting: A Case Study System, International Journal of Integrated Supply Management, Vol. 6, No. 2, pp.140–164(**SCOPUS Indexed**)
8. Borade,A.B and Bansod,S.V (2010) ,“ Study of Vendor Managed Inventory practices in Indian industries, Journal of Manufacturing Technology Management, 21 (8), 1013-1038 (**SCOPUS Indexed**)
9. Borade,A.B and Bansod,S.V (2010) ,“ An Approach for Inventory Routing in Vendor Managed Inventory System, 3(4).293-318 ,International Journal of Service Sciences
10. Borade,A.B and Bansod,S.V (2009),“.Vendor managed inventory in A two level supply chain: a case study of small Indian enterprise” International Journal of Management Science and Engineering Management, Vol.4 (4), 270-280
11. Borade,A.B and Bansod,S.V(2009) ,“Vendor Managed Forecasting: A case study of small enterprise “ Journal of Industrial Engineering and Management , Vol 2(1),153-175 (**SCOPUS Indexed**)
12. Borade,A.B and Bansod,S.V (2008), “Hazard perception Based on Safety words & Colors An Indian perspective” , International Journal Of Occupational Safety and Ergonomics, vol.14,No.4,365- 374 [**IMPACT FACTOR: 0.354**]
13. Borade,A.B and Bansod,S.V(2008) ,“Discipline of Supply chain management :A Systematic literature review” The ICFAI Journal of Supply Chain Management, Vol. 5( 1), 7-26
14. Borade,A.B and Bansod,S.V(2008) ,“Vendor Managed Inventory in SMEs ” International Journal Of Information Technology and Knowledge Management, Vol.I, 9-17
15. Borade,A.B and Bansod,S.V(2007), “Domain Of Supply Chain Management – A State of Art” ,Journal of Technology Management and Innovation, Vol 2( 4),109-121(**SCOPUS Indexed**)

### **Publications (Other topics )**

16. Ingole , P.M. , Pohokar,N.S. & Borade ,A.B (2019) . “Exprimenting bycle handlebar for the evaluation of muscle fatigue,grip strength and oxygen saturation percentage on cyclist’s comfort”. *International Journal of Mechanical and Production Engineering Research and Development*,9(2),857-864[**Scopus Indexed**].



17. Jirapure, S.C. & Borade, A.B. (2019). "Development of Naval Alloy by Casting Process". *International Journal of Application or Innovation in Engineering & Management*, 8(5), 1-5. **[Scopus Indexed]**.
18. Jirapure, S.C. & Borade, A.B. (2019). "Microstructure and Properties of Spinodally Decomposed Copper Based Alloy". *International Journal of Interdisciplinary Current Advanced*, 1(5), 17-20. **[Scopus Indexed]**.
19. Jirapure, S.C. & Borade, A.B. (2019)." A Detailed Study On Recent Approaches of Hardening". *International Journal of Interdisciplinary Current Advanced Research*, 1(8), 58-61. **[Scopus Indexed]**.
20. Landge,R.R.,& Borade,A.B.(2017), "Parametric Optimization in Micro- Drilling by Applying Fuzzy Logic for Aluminium Plate". *International Journal of Mechanical and Production Engineering Research and Development*,8(4).933-942. **(Scopus Indexed)**
21. Landge,R.R.,& Borade,A.B.(2017), "Analysis of Micro-Drilling Process Using Response Surface Methodology". *International Journal of Applied Engineering Research* ,12(20). 9570-9574**(Scopus Indexed)**
22. Landge, R.R, Borade, A.B (2017)," Optimization and analysis of process parameters in microdrilling using response surface methodology ",*International Journal of Mechanical and Production Engineering Research and Development* ,Vol.7 (6), ,pp297-304**(SCOPUS Indexed)**
23. Landge, R.R, Borade, A.B (2017) ," Optimization of Material Removal Rate in Micro Drilling Process for a copper plate", *International Journal of Mechanical Engineering and Technology*, Vol. 8 (10), pp. 418-428 **(SCOPUS Indexed)**
24. Jirapure ,S.J, Borade ,A.B (2017), "Effect of Cromium on tensile and fatigue behavior of cuopper nickel spinoidal alloy" Vol.7 (6), *International Journal of Mechanical and Production Engineering Research and Development* ,pp179-186**(SCOPUS Indexed)**
25. Jirapure ,S.J, Borade ,A.B (2017), " Effect of Chromium on Errosion-Corrosion of Copper -Nickel Spinoidal Alloys in Sea Enviroment", Vol. 8 (10), *International Journal of Mechanical Engineering and Technology*,pp. 352-360 **(SCOPUS Indexed)**

26. Ardak,P.S, Borade A.B(2017), “An EPQ model with varying rate of deterioration and mixed demand pattern”, International Journal of Mechanical and Production Engineering Research and Development ,pp11-20(**SCOPUS Indexed**)
27. Ardak,P.S, Borade A.B and Stasiak Betlejewska, R. (2017) , “An EPQ Model for Deteriorating Items with Mix Demand Pattern” , International Journal of Mechanical Engineering and Technology ,Vol. 8(6 ), pp. 59– 69(**SCOPUS Indexed**)
28. Gorde ,M.S and Borade, A.B (2017), “Optimisation of pedaling power through non-circular chain ring:a systematic review”, International Journal of Mechanical Engineering and Technology, Vol.8(3),373-378 (**SCOPUS Indexed**)
29. Ardak ,P.S and Borade ,A.B ( 2017), “An economic production quantity model with inventory dependent demand and deterioration “, International Journal of Engineering and technology”, Vol .9 (2) ,955-962(**SCOPUS Indexed**)
30. Bhojar, Pankaj Kailasrao; Borade, Atul Bhaskarrao (2016), “The use of single point incremental forming for customized implants of unicondylar knee arthroplasty: a review” ,Research on BioMedical Engineering, <http://dx.doi.org/10.1590/2446-4740.0705> (**SCOPUS Indexed**)
31. Agnieszka Czajkowska, Renata Stasiak-Betlejewska,Atul B. Borade (2015),” Analysis of Quality Control Results in the Lift Truck Elements Production, Periodica Polytechnica Transportation Engineering, *OnlineFirst (2015) paper 7962* , DOI: [10.3311/PPtr.7962](https://doi.org/10.3311/PPtr.7962)(**SCOPUS Indexed**)
32. S. G. Dambhare, S. J. Deshmukh and A. B. Borade (2015), “Machining parameter optimization in turning process for sustainable manufacturing” , International Journal of Industrial Engineering Computations, 6 (2015) 327– 338(**SCOPUS Indexed**)
33. S. G. Dambhare, S. J. Deshmukh and A. B. Borade , Abhijit Digalwar, Mangesh Phate (2015) , “Sustainability Issues in Turning Process: A Study in Indian Machining Industry”, Procedia CIRP , Vol(26), 379–384(**SCOPUS Indexed**)
34. Abhijeet K. Digalwar, Atul Borade, Bhimaraya Metri ( 2014) , “A Fuzzy AHP Approach for Supplier Selection” , Operations and Supply Chain Management ,Vol. (7) No(2), pp 46-53
35. Stanisław Borkowski, Agnieszka Czajkowska, Renata Stasiak-Betlejewska and Atul B. Borade (2014) , “Application of TPM indicators for analyzing work time of machines used in the pressure die casting” , Journal of Industrial Engineering International, DOI 10.1007/s40092-014-0055-9

36. Sunil Dambhare, Siddhant Aphale, Kiran Kakade, Tejas Thote, and Atul Borade ( 2013 ) , “Productivity Improvement of a Special Purpose Machine using DMAIC Principles: a Case Study”, Volume 2013 , Article ID 752164, 13 pages **(SCOPUS Indexed)**
37. Sunil G. Dambhare, Samir J. Deshmukh, Atul B. Borade (2012), “Sustainability measurement in machining process:An approach for environmental concern”International Journal of Innovations in Mechanical and Automobile Engineering, March 2012, Issue , ,pp 48-54
38. Bhalerao S.V., . Pawar A.N.,Borade A.B (2011), “ Research Methodology of an Integrated Approach for Thermal Mapping of Hot Section Components of Gas Turbine Engines, International Review of Mechanical Engineering , Vol. 5 (5), pp. 993-999 **(SCOPUS Indexed)**
39. Shirirao P.N.,Pawar A.N.,Borade A.B., (2011)” An Overview on Thermal Barrier Coating (TBC) Materials and Its Effect on Engine Performance and Emission”, International Review of Mechanical Engineering , Vol. 5 (5), pp. 973-978**(SCOPUS Indexed)**
40. Gandhewar V.R, Bansod S.V,Borade A.B. , (2011) “Induction Furnace - A Review” International Journal of Engineering and Technology” ,Vol .3(4) ,277-284**(SCOPUS Indexed)**

## REFERENCES

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