

Resume

Name: Dr. Vikas G. Sargade

Designation: Professor

Contact Details: Department of Mechanical Engineering

Dr. Babasaheb Ambedkar Technological University

Lonere- Raigad, Pin: 402 103 Maharashtra

E-mail: vg_sargade@dbatu.ac.in

vsargade@yahoo.co.in

Mobile No.: 09730341788

Date of Birth: July 7, 1974

Educational Qualifications:

University/Board	Degree	Year	Field of Specialization
Pune Board	SSC	1989	--
B.T.E. Bombay	Diploma	1992	Mechanical Engineering
Dr.BATU, Lonere	B.Tech.	1996	Mechanical Engineering
IIT Madras	M.Tech.	1999	Mechanical Engineering (with specialization in Manufacturing Engineering)
IIT Kharagpur	Ph.D	2008	Mechanical Engineering

Employment Record(starting from present position):

University	Designation	Period
Dr.BATU, Lonere	Professor	04/07/2013-till date
Dr.BATU, Lonere	Associate Professor	21/05/2006 to 03/07/2013
Dr.BATU, Lonere	Assistant Professor	22/05/2003 to 21/05/2006
Dr.BATU, Lonere	Lecturer	1/2/1999 to 21/05/2003

Membership of Scientific and Professional Societies:

Life Member, Indian Society for Technical Education

List of Short-term Courses participated:

1. Two-month Summer Programme on Advanced Manufacturing, IIT Kharagpur, May 2001-July 2001.
2. Opportunities and Challenges in High Precision Manufacturing: Vision 2020, Dr. BATU, Lonere, Nov. 18-30, 2002.
3. Two week STTP on “Creep, Fatigue, and Fracture: State-of-the-Art”, sponsored by ISTE-AICTE and organized by Dr. BATU Lonere, March 15-27, 2004.
4. CNC Technology, IGTR Aurangabad, October 16-20, 2003.
5. One week STTP on “Advances in Materials and Manufacturing Processes”, organized by Dr. BATU Lonere, 27th June to 1st July 2011.
6. One week STTP on “Nanotechnology”, organized by Dr. BATU Lonere, December 10-14 2012.
7. Institution Building through Appreciative Mindset, conducted by IIT Bombay, August 29, September 2-4, 16, 2013.

Most recently taught courses:

UG: Surface Engineering, Materials Science and Metallurgy, Engineering Tribology, Manufacturing Processes-I, II, III

PG: Advanced Joining Technology, Material Removal Processes, Sensors for Intelligent Manufacturing.

Research:

Research Interest: Surface Engineering of Cutting Tools, Machining of Exotic Materials

Research Guidance: PG: 9 (Guided) + 3 (Ongoing)

Ph.D: 1 (Guided) + 3 (Ongoing)

Sponsored Projects:

Title: Machinability studies of austenitic stainless steel SS304 using coated tools coated by different coating materials

Funding agency: DST, Govt. of India

Grant sanctioned: Rs. 16.8 lacs

Duration: 3 years (date of starting: 03/07/2010 and date of completion: 22/10/2013)

Publications:

List of Publications:

International Journal: 08
Indian Journal: 02
International Conferences: 09
National Conferences: 06

Papers published in International Journals:

1. S. Gangopadhyay, R. Acharya, A. K. Chattopadhyay, and V. Sargade;2010 'Effect of cutting speed and surface chemistry of cutting tools on the formation of BUL or BUE and surface quality of the generated surface in dry turning of AA6005 Aluminium alloy'; *Machining Science and Technology*,14 (2), 208-223
2. Sargade V. G., Gangopadhyay S., Chattopadhyay A.K., Paul S.; 2011, 'Effect of coating thickness on the characteristics and dry machining performance of TiN film deposited on cemented carbide inserts using CFUBMS'; *Materials and Manufacturing Processes*, 26 (8), 1028-1033.
3. Kulkarni A. P., Joshi G. G., Sargade V. G., 2013, Performance of PVD AlTiCrN coating during machining of austenitic stainless steel, *Surface Engineering*, 29(5), pp. 402 - 407
4. Kulkarni A. P., Joshi G. G., Karekar A., Sargade V. G., 2013, Analytical and experimental investigation on cutting temperature in turning AISI 304 Austenitic stainless steel using AlTiCrN coating carbide insert, *International Review of Mechanical Engineering*, 7(1), pp. 189 - 197
5. Kulkarni A. P., Sargade V. G., 2013, 'Performance of multilayered PVD coated cemented carbide inserts during dry turning of AISI 304 austenitic stainless steel', *Advanced Materials Research*, 794, pp. 248 - 254
6. Kulkarni A. P., Joshi G. G., Sargade V. G., 2013, 'Dry turning of AISI 304 austenitic stainless steel using AlTiCrN coated insert produced by HPPMS technique', *Procedia of Engineers*,64, 737-746
7. Wagh S. S., Kulkarni A. P., Sargade V. G., 2013, 'Machinability studies of austenitic stainless steel (AISI 304) using PVD cathodic arc evaporation (CAE) system deposited AlCrN/ TiAlN coated carbide inserts',*Procedia of Engineers*,64, 907-914
8. Kulkarni, A. P., Joshi G. G., Karekar A., Sargade V. G., 2014, Investigation on Cutting Temperature and Cutting Forces in Turning AISI 304 Austenitic Stainless Steel Using AlTiCrN Coated Carbide Insert, *International Journal of Machining and Machinability of Materials*, 15(3-4), pp. 147–156

Papers published in Indian Journals:

1. Kulkarni A. P., Joshi G. G., Sargade V. G., 2013, Design optimization of cutting parameters for turning of AISI 304 austenitic stainless steel using Taguchi method, Indian Journal of Engineering and Material Science, 20, pp. 252 - 258
2. Kulkarni A. P., Sargade V. G., 2013, Investigation into the machinability characteristics of AISI 304 austenitic stainless steels using multilayer TiN/TiAlN coated cemented carbide inserts, Journal of Manufacturing Engineering, 8 (3), pp 178 - 182

Papers published in International Conferences:

1. V. G. Sargade, S. Gangopadhyay, M. Hasurkar, S. Paul, A.K. Chattopadhyay; 'Deposition, characterization, and performance evaluation of TiN coated HSS and cemented carbide cutting tools using closed-field unbalanced magnetron sputtering, 2nd International and 23rd AIMTDR Conference, December 15 – 17, 2008, IIT Madras
2. B. F. Jogi, V. G. Sargade, R. S. Pawade; 'An emerging need to develop industries through ERP'; International Conference on e-manufacturing; November 17-19, 2002, BHEL and MACT, Bhopal
3. Kulkarni A. P., Sargade V. G., Joshi G. G., 2012, Development in Sputtering Deposition Technology Applicable to Cutting Tool, Proceedings of 1st ICFMD-2013 Conference, Defense Institute of Advanced Technology (DU), pp.111
4. Huddedar S., Kulkarni A. P., Joshi G. G., Sargade V. G., 2012, Microstructure and mechanical properties of AlTiCrN, AlCrN coatings deposited by cathodic arc evaporation (PVD) technique, Proceedings of 21st PFAM Conference IIT Guwahati, 1, pp. 473 - 478
5. Kulkarni A. P., Sargade V. G., Huddedar S., 2012, Investigation into the machinability characteristics of AISI 304 austenitic stainless steels using AlCrN coated cemented carbide inserts, Proceedings of 21st PFAM Conference IIT Guwahati, 2, pp. 339 - 343
6. Joshi G. G., Kulkarni A. P., Sargade V. G., 2012, Investigation into the machinability characteristics of AISI 304 austenitic stainless steels using AlTiCrN coated cemented carbide inserts, 25th AIMTDR Conference Jadavpur University Kolkata, 3, pp. 59

7. Kulkarni A. P., Sargade V. G., 2013, Investigation into the machinability characteristics of AISI 304 austenitic stainless steels using multilayer TiN/TiAlN coated cemented carbide inserts, Proceedings of 3rd RAMPT'13 conference NEC Kovilpatti, pp. 1 – 5
8. Kulkarni A. P., Joshi G. G., Karekar A., Sargade V. G., 2013, Investigation on cutting temperature and cutting force in turning AISI 304 austenitic stainless steel using AlTiCrN coated carbide insert, Proceedings of 2nd INCAMA-2013 conference Kalasalingam University, pp.526 – 531
9. Karekar A., Sargade V. G, Kulkarni A. P., 2013, Experimental Investigation of chip-tool interface temperature during machining of AISI 304 using TiAlN coated and uncoated cemented carbide insert, Proceedings of 3rd CPIE-2013 conference Jalandar, pp. 1 - 5

Papers published in National Conferences:

1. R. R. Thorat, V.G. Sargade; 'Growth of polycrystalline diamond film on high speed cutting tools: An overview'; National Conference on Advanced Manufacturing and Robotics; January 10-11, 2004; CMERI Durgapur,W.B.
2. G. J. Sawaisarje, V. G. Sargade; 'Application of diamond as a high precision turning tool; National Conference on Automation in Manufacturing; March 8-9, 2003, G.H. Raison College of Engineering, Nagpur
3. B. F. Jogi, V. G Sargade, K.G. Vhantale; 'Agile manufacturing – a need of today's competitive world'; National Conference on Advances in Manufacturing Technology; February 15-16, 2003; NSS College of Engineering, Palakkad.
4. B. F. Jogi, V. G Sargade, A. Kitey; 'Cellular manufacturing – a lead time reducer'; National Seminar on Vehicle Dynamics; College of Engineering, Visakhapatnam.
5. V. G Sargade, B. F. Jogi, P.Taku; 'Business Process Re-engineering as a dynamic tool for TQM'; National Conference on Quality Engineering and Management; January 3-4, 2003; Kumaraguru College of Technology, Coimbatore.
6. B. F. Jogi, V. G Sargade; 'Strategy and tactics to develop global knowledge society'; National Seminar on Human values in technical education; December 27--29, 2001; KIT, Bhubaneswar.

Contributions in the University/Departmental activities:

1. Member, BoS for Mechanical Engg.
2. Coordinated National level event 'Cynusure-2010'
3. Actively involved in Convocation
4. Member, Library Committee
5. Developed Materials Science and Engineering Metallurgy Laboratory
6. Prepared comprehensive laboratory manuals
7. Worked as Director, IQAC
8. Worked as University Time-Table Co-ordinator
9. Worked as Coordinator for Allotment of Elective-I subject
10. Worked as Co-coordinator of TEQIP-II
11. Member of Academic Audit Committee of SPFU
12. Member, Academic Council
13. Member, Executive Council
14. Worked as I/c Registrar

Declaration:

I hereby declare that the information given here is true to the best of my knowledge and belief.

Date:**Place: Lonere****Signature**