

## **Dr.N.Mohan**

Professor,  
Department of Industrial Engineering and  
Management,  
Dr.Ambedkar Institute of Technology,  
Government of Karnataka (Aided),  
Bangalore-560056,  
Ph.No: +917353436111,  
Email: drmohannagaraj@gmail.com



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### **Specialization**

Mechanical Engineering, Manufacturing Science, Tribology and Total Quality Management

### **Research**

Wear and Fracture Mechanics of Composite Materials, Advanced Manufacturing Process and Nano Materials.

### **Education**

**Doctor of Philosophy in Metallurgical and Materials Engineering** 2011

National Institute of Technology  
Tiruchirappalli, TN, India.

Thesis Title:” Tribological Behaviour of Fiber Reinforced Hybrid Composite Materials”

**Master of Engineering in Manufacturing Science and Engineering** 2000

University Visvesvaraiyah College of Engineering,  
Bangalore University, Bangalore

**Bachelor Engineering in Mechanical Engineering** 1994

University Visvesvaraiyah College of Engineering,  
Bangalore University, Bangalore

### **Professional Body Membership:**

Indian society for Technical Education (ISTE) (LM -36985) 2003 to till date

Institutions of Engineers (MIE) (LM-1170) 2008 to till date

Institution of Industrial Engineering ( IIE) (LM 961) 2009 to till date

### **Journal Reviewer**

- 1 Journal of Materials and Manufacturing Process, Taylore and Francies.
- 2 Journal of Applied Polymer Science, Wiley Interscience.
- 3 Journal of Iranian Polymer Science.
- 4 Transactions of the Indian Institute of Metals
- 5 Journal of Basic and Applied Research international

## Work Experience

Name of the Company / Institute	Place	Designation	Period From - To		Nature of Work
Dr.Ambedkar Institute of Technology.	Bangalore	Professor	Oct-2011	Till Date	Teaching, Research and Consultancy Services.
		Associate Professor	May-2006	Sept-2011	
		Assistant Professor	May-2003	May-2006	
Zigma Software Ltd.	Bangalore	Senior Application Engineer	Jan-2002	April-2003	Design and development of aerospace and automobile components Undertaken from Volvo, Ashok Leyland etc.
FuYu Manufacturing Ltd. Singapore.	Singapore	CAD/CAM Engineer,	Feb-2001	Dec-2001	3D-Modelling and Generation of NC part programs for tooling parts of plastic injection molding machines.
Aeronautical Development Agency	Bangalore	Computer Aided Design Engineer	April-1998	Dec-2000	Design and CAD Modelling of LCA composite and machined parts.
National Aerospace Laboratories	Bangalore	Computer Aided Design Engineer	March-1996	April-1998	Design, Analysis, Manufacturing and CAD Modelling of HANSA and SARAS aircraft parts.
Udaya Eng,Works Ltd.	Bangalore	Quality Control Engineer	Sept-1995	Feb-1996	Quality control and inspection of various machined parts.

## Honors and Awards:

1. The paper titled “Friction and dry slide wear behaviour of short glass fiber reinforced polymeric composites” presented at NMD-ATM 2006, Jamshedpur, was adjudged as **best technical paper** and awarded a prize.
2. The paper titled “Dry sliding wear behaviour of graphite filler filled glass-epoxy composites at elevated temperatures” presented at Int. Conference on Total Engineering Analysis and Manufacturing Technology, TEAM-TECH-2009, Bangalore, was adjudged as **best technical paper** and awarded a prize.

## Publications

1. **Mohan, N.**, Natarajan, S., & Kumaresh Babu, S. P. (2011). Abrasive wear behaviour of hard powders filled glass fabric–epoxy hybrid composites. *Materials & Design*, 32(3), 1704-1709. ISSN: 0261-3069, Elsevier, Index: Scopus **H Index**, Q1, IF-4.56, RGJI- 5.00
2. **Mohan, N.**, Natarajan, S., & Kumaresh Babu, S. P. (2010). Studies on two-body abrasive wear behavior of graphite-filled glass-fabric epoxy composites. *International Journal of Material Science*, 5, 974-1836. ISSN 0973-4589
3. **Mohan, N.**, Natarajan, S., & Kumaresh Babu, S. P. (2011). Investigation on Sliding Wear Behaviour and Mechanical Properties of Jatropa Oil Cake-Filled Glass-Epoxy Composites. *Journal of the American Oil Chemists' Society*, 88(1), 111-117. ISSN 0002-7863, Springer,, Index: **Scopus H Index** Q1,IF-1.42, RGJI- 1.73
4. **Mohan, N.**, Natarajan, S., Kumaresh Babu, S. P., & Lee, J. H. (2010). Solid particle erosion of uhmwpe filled aramid fabric-epoxy hybrid composites. In *Advanced Materials Research* (Vol. 123, pp. 1051-1054). Trans Tech Publications. ISSN1662-8985
5. **Mohan, N.**, Natarajan, S., & Babu, S. K. (2011). Sliding wear behavior of graphite filled glass-epoxy composites at elevated temperatures. *Polymer-Plastics Technology and Engineering*, 50(3), 251-259. ISSN 0360-2559, Taylor and Francis, Index: Scopus **H Index**, Q2, IF-1.65, RGJI-2.53
6. **Mohan, N.**, Natarajan, S., & Kumaresh Babu, S. P. (2010). Investigation on two-body abrasive wear behavior of silicon carbide filled glass fabric-epoxy composites. *Journal of Minerals and Materials Characterization and Engineering*, 9(03), 231. ISSN 04 50-2899
7. Kumaresh Babu, S. P., Chairman, A., & **Mohan, N.** (2010). Investigation on Two-Body Abrasive Wear Behavior of Tungsten Carbide Filled Glass Fabric-Epoxy Hybrid Composites. In *Advanced Materials Research* (Vol. 123, pp. 1039-1042). Trans Tech Publications. ISSN1662-8985
8. Satheesh Kumar, M. N., Yaakob, Z., **Mohan, N.**, & Kumaresh Babu, S. P. (2010). Mechanical and Abrasive Wear Studies on Biobased Jatropa Oil Cake Incorporated Glass–Epoxy Composites. *Journal of the American Oil Chemists' Society*, 87(8), 929-936. ISSN 0002-7863, Springer, Index: Scopus **H Index** Q1,IF-1.42, RGJI- 1.73
9. **Mohan, N.**, Natarajan, S., & Kumaresh Babu, S. P. (2012). The role of synthetic and natural fillers on three-body abrasive wear behaviour of glass fabric–epoxy hybrid composites. *Journal of applied polymer science*, 124(1), 484-494. ISSN 1097-4628, Wiley Index: **Scopus H Index**, Q1, IF-1.90, RGJI- 1.67
10. **Mohan, N.**, Natarajan, S., Kumaresh Babu, S. P., Siddaramaiah, S., & Lee, J. H. (2012). Studies on erosive wear behavior of UHMWPE-filled aramid–epoxy hybrid composites. *Materials and Manufacturing Processes*, 27(4), 430-435. ISSN: 1532-2475 Taylor and Francis, Index: Scopus **H Index**, Q2, IF-2.69,, RGJI- 1.63
11. **Mohan, N.**, Mahesha, C. R., & Rajaprakash, B. M. (2013). Erosive wear behaviour of WC filled glass epoxy composites. *Procedia Engineering*, 68, 694-702. ISSN: 1877-7058, Index: **Scopus H Index**, RGJI-073,

12. **Mohan, N.**, Mahesha, C. R., Mathivanan, N. R., & Shivamurthy, B. (2013). Dry sliding wear behaviour of Ta/NbC filled glass-epoxy composites at elevated temperatures. *Procedia Engineering*, 64, 1166-1172. ISSN: 1877-7058, RGJI-073,
13. Rajesh Chandra, C., Ravikumar, T. R., & CR, **Mohan.N.** (2013). Mechanical and Three-body abrasive wear behaviour of Nano-Flyash/ZrO<sub>2</sub> filled Polyimide Composites. *International Journal of Science Research*, 1(4), 196-202. ISSN : 2277-7989 Elsevier, Q2
- 14 **Mohan, N.**, Mahesha, C. R., Raja, Tribo-mechanical behavior of SiC filled glass-epoxy composites at elevated temperatures, *International Journal of Engineering Science and Technology*, 6, ( 5), 2014, 44-56 , Index: **Scopus H Index** , RGJI- 0.57
- 15 Rajesh.K, **N. Mohan**, C.R.Mahesha,(2017). Mechanical and Dry Sliding wear Behavior on FlyAsh/Graphite/Magnesium Particles Reinforced Aluminum (AL6061) Metal Matrix Composites. Vol (2), 386-397, ISSN-2321-3051
- 16 Vinay Kumar **N. Mohan.** (2017) Tribological Investigation of Coconut Coir/Banana fivers/Glass Fiber Reinforced Hybrid Polymer Matrix Composites. *International Journal of Research in Aeronautical and Mechanical Engineering*, 85 -91, ISSN-2321-3051.
17. C.R.Mahesha, **N. Mohan**, Shivarudraiah (2017) Role of Nano fillers on Mechanical and Dry sliding wear behavior of Basalt composites, *Journal of Materials Today*, 8192-8199. RGJI-071
18. C.R.Mahesha, **N. Mohan**, Shivarudraiah (2017), Three body abrasive wear studies on nano clay/nano TiO<sub>2</sub> filled basalt epoxy composites, *Journal of Materials Today*, Vol (4), 3979-3986, RGJI-073,
19. Kumar, S., **Nagraj, Mohan.** Bongale, A., & Khedkar, N. (2018). Deep Cryogenic Treatment of AISI M2 Tool Steel and Optimisation of Its Wear Characteristics Using Taguchi's Approach. *Arabian Journal for Science and Engineering*, 1-13. Springer Index: Scopus Q2, IF-1.092, RGJI-1.04
20. Kumar, S., **Nagaraj, Mohan.** Khedkar, N. K., & Bongale, A. (2018). Influence of deep cryogenic treatment on dry sliding wear behaviour of AISI D3 die steel. *Materials Research Express*, 5(11), 116525. IOP, Index: Scopus Q2, IF-1.151, RGJI-0.87
21. SatishKumar, **N.Mohan** (2017) Effect Of Cryogenic Treatment On Tool Steels. *International Journal of Advanced Research*, 1035-1045 ISSN 2320-5407, RGJI-0.22
22. Sachit.T.S ,**N.Mohan** (2017) Aluminum Based Hybrid Nano Composites: A Review On Reinforcement, Mechanical And Tribological Characteristics, *International Journal of Advanced Research*, 167-175 ISSN 2320-5407. RGJI-0.22
23. Ashok Kumar R.Tawadi, **N.Mohan** (2017) Sliding Wear Characteristics of Fiber Reinforced Fillers Filled Polymer Based Composites: A Review, *International Journal of Material Science*, 133-169, ISSN 0973-4589.
24. SatishKumar, **N.Mohan**, Arunkumar Bongale, Nitin Khedkar, (2018) Effect of deep cryogenic treatment on the mechanical properties of AISI D3 tool steel, *International Journal of Materials Engineering Innovation*, Decision Accepted and awaiting for publication, RGI-0.71

25. Vinay Kumar.D, **N.Mohan** (2017) Wear Characteristics on Fiber Reinforced Filler filled Hybrid Polymer Matrix Composites, International Journal Of Research In Aeronautical And Mechanical Engineering, 85-92, 2321-3051
26. Vinay Kumar.D **N.Mohan** (2017) Investigation of Tribological Properties of Plasma Sprayed Ceramic Coating AISI-1020 Stainless Steel, Indian Journal of Science and Technology, 122-125, 0974-6846.
27. Rajesh kivade, S. Channabasavaraj ,**N, Mohan** , C.R. Mahesha (2017) Mechanical And Dry Sliding Wear Behaviour On Flyash/Graphite/ Magnesium Particles Reinforced Aluminum (Al6061) Metal Matrix Composites, International Journal Of Research In Aeronautical And Mechanical Engineering, 386 -398, ISSN : 2321-3051
28. Ashok Kumar R.Tawadi, **N.Mohan** (2018) Development and Investigation on Mechanical Properties of Pongamia Oil-Cake/UHMWPE filled Basalt Epoxy composites, Journal of Materials Today: Proceedings,DOI:10.1016/j.matpr.2018.10.249, Decision Accepted and awaiting for publication,RGI-0.71
- 29 Sachit.T.S ,**N.Mohan** (2018) Synthesis and mechanical characterization of aluminum-based hybrid Nano composites reinforced with nano tungsten carbide and nano tantalum niobium carbide particles International Journal of Materials Engineering Innovation, Decision Accepted and awaiting for publication, RGI-0.14
30. Ashok Kumar R.Tawadi, **N.Mohan**, (2018) Sliding Wear role of Pongamia oil cake incorporated Basalt Epoxy Composites: A Taguchi Technique, Journal of American Oil Chemists Society , Wiley Decision Accepted and awaiting for publication

## Conference Proceedings

- 1 **N.Mohan**, B.Suresha,G., Chandramohan, P.Samapthkumaran, S.Seetharamu. “ Evaluation of Mechanical Properties of Glass – Epoxy and SIC particles Filled Glass-Epoxy Composites” International Conference on Material Processing Methods (ICMPM -2005) Bannariamman Institute of Technology, Sathyamangalm Tamilnadu,
- 2 **N.Mohan**, B.Suresha, G.Chandramohan “Effect of Filler addition on the Abrasive Wear of Glass Reinforced Epoxy Composites” National Conference on Recent Advance in Manufacturing Technology (RAMT 2006) Velammal College of Engineering, Chennai, Tamilnadu.
- 3 **N.Mohan**, B.Suresha, G.Chandramohan “Friction and dry slide wear behaviour of short glass fiber reinforced polymeric composites” NMD-ATM-2006, Jamshedpur.
- 4 **N.Mohan**, S.Natarajan, S.P.KumareshBabu “Tribological Behaviour of graphite filler filled glass fabric epoxy composites at elevated temperature ” Internationa Confernce on TEAM TEACH-2009, Bangalore, India,
- 5 **N.Mohan**, S.Natarajan, S.P.KumareshBabu “Abrasive wear behavior of tantalum niobium carbide filler filled glass fabric reinforced- epoxy composites” Second International Conference on Polymer Processing and Characterization”, Kottayam, Kerala, India, ICPC-2010

- 6 **N.Mohan**, S.Natarajan, S.P.KumareshBabu “Influence of Jathropha press cake filler in glass fabric-epoxy composites on sliding wear behaviour ” International conference on recent trends in Materials & Characterization -NIT, Surathkal,Karnataka ICRTMC-2010
- 7 **Mohan**, S.Natarajan, S.P.KumareshBabu “Solid Particle erosion of UHMWPE filled Aramid Fabric Epoxy Hybrid Composites” International Conference on Multifunctional Materials and Structures (MFMS-2010) South Korea
- 8 **Mohan**, S.Natarajan, S.P.KumareshBabu “Investigation on Two-body abrasive wear behavior of Tantalum Niobium Filled Glass-Epoxy Composites Composites ” International Conference on Recent Trends in Materials Science & Technology, 2010 Tiruvananthapuram Kerala
- 9 **Mohan**, S.Natarajan, S.P.KumareshBabu “Sliding wear beahviour of tungsten carbide filled glass-epoxy composites at elevated temperatures ”International Symposium for Research Scholar on Metallurgy, Materials Science & Engineering (ISRS-2010),IIT Chennai.
- 10 **Mohan**, S.Natarajan, S.P.KumareshBabu “Dry-Sliding wear behaviour of SiC filled Glass Fabric Reinforced Epoxy Composite Material at Elevated Temperatures” International Conference on Nano-Composites, (2010) Kottayam,Kerala
- 11 **Mohan**, S.Natarajan, S.P.KumareshBabu “Effect of Jatropa oil Cake on Erosive Wear of E-Glass Fabric Reinforced Epoxy Composite Materials” ” International Conference on Nano-Composites, (2010) Kottayam,Kerala
- 12 **Mohan**, S.Natarajan, S.P.KumareshBabu “Abrasive wear behavior of tungsten carbide feller filled glass fabric reinforced-epoxy composites” (2009)\_National Conference on Recent Advanced in Composite Materials,KVG Sullya Dashin Kannada. Karnataka
- 13 **Mohan**, S.Natarajan, S.P.KumareshBabu “Influence of Jatropa press cake filler filled glass fabric reinforced –epoxy composites on abrasive wear behavior” National Conference on Composites Materials, INCCOM-8.Tiruvantapuram Kerala.
- 14 **Mohan**, S.Natarajan, S.P.KumareshBabu “Two-body abrasive wear behaviour of UHMWPE filled aramid epoxy composites” POLYCON-2011, 5<sup>th</sup> National conference on Plastics and Rubber Technology,SJCE,Mysore
- 15 **Mohan**, S.Natarajan, S.P.KumareshBabu “Dry sliding wear bheaviour of Ta/NBc filled glass-epoxy composites at elevated temperatures”(2013) International Confernce on Design and Manufacturing. Kanchipuram, TamilNadu.
- 16 **Mohan**, S.Natarajan, S.P.KumareshBabu, C.R.Mahesha,“Erosive wear behavior of WC filled glass epoxy composites” Malaysian International Tribology Conference, (2013) Kotakinabalu, Sahba, Malaysia,
- 17 Rajesh.K., **Mohan**, S., C.R.Mahesha “Mechanical and Dry sliding wear behavior of Flyash – Graphite-Magnesium Particles reinforced aluminum metal Matrix composites” Int. Conf. on Emerging Trends in Mechanical Engineering Emerging Trends in Mechanical Engineering (2017) Mandya, Karnataka

- 18 Vinay.D., **N.Mohan**, “Wear Characteristics on Fiber Reinforced Filler filled Hybrid Polymer Matrix Composites” Int. Conf. on Emerging Trends in Mechanical Engineering Emerging Trends in Mechanical Engineering (2017) Mandya, Karnataka
19. Ashok Kumar R.Tawadi, **N.Mohan** Investigation on Mechanical Properties of Pongamia Oil-Cake/UHMWPE filled Basalt Epoxy composites,International Conference on Advanced Materials Manufacturing and Applications. (2017) Bangalore,Karnataka.
- 20 **N.Mohan**, Ramanath Prabhu, Preetham.S, M.Akshay Prasad “Effect of UHMWPE filler on Dry-Sliding Wear Behavior of Aramid Fabric-Reinforced Epoxy Composite” National Conference organized by ICC at (2018) NITK Surathkal.
- 21 **N.Mohan**, Ashok Kumar R.,Rajesh.K, Preetham.S, Rakshit., M.Akshay Prasad “ Dry sliding wear behaviour of UHMWPE filled basalt epoxy composites” International Conference on Polymeric Composites (2018) National Institute of Technology, Surathkal.

### Books Chapter Published

Sl. No.	Names of authors (separated with commas)	Complete Title of the book	Name of publisher	Place	Month/ Year of publication	Total No. of pages	Full Book/ contributed a chapter in edited Book
1.	C R Mahesha <b>N Mohan</b> Shivaruraiah Rajesh 7handra. C	Functional materials	<b>Mc.GrawHil</b> ISBN-978-935-059-046-11	India	December-2012	298-302	Contributed a chapter Special issue (Effect of Titanium carbide on the erosive wear behavior of glass-epoxy composite at elevated temperature)

### Participation in Co-Curricular and Extra Curricular Activities

**Faculty Advisor for Team Nakshatra, Gokart Elite Car (TEQIP-II Sponsored Project-2016-2017)**

First time in Dr.AIT, developed Team Nakshatra is an all-girls go-kart team that consists of 12 enthusiastic, dedicated and hardworking engineers from the departments of Industrial Engineering and Management, Mechanical Engineering and Electronics & Electrical Engineering of Dr.AIT. The team is to design and build a go-kart and participated in Elite 2K15 National Championship at Bhopal which is a national level go kart designing and building of racing competition.

EK15 is a platform where the participants design and build their own Go-Karts to race against fellow participants on a professional race track with real-time conditions to win the tournament. Team Nakshatra stood **6<sup>th</sup> over-all the country among 180** Teams participated and **12<sup>th</sup> place** at National Level racing competition.

## Details of R&D Projects

Research Project “Control of erosion and Abrasion in ground water (GWE&A) of composite pipe lines in mining industry” Funding Agency” AICTE, Twenty Eight Lakh Rupees Proposal Submitted and Awaiting for sanction. Three Years Duration.

## Work Shops /Seminars /Conference Conducted.

Sl. No.	Name of Conference/ workshop	Date	Place/ Venue/ Institute	No. of participants	Workshop/ Seminar Conference
1	Design of Experiment	2-6 April-2013	Dr. AIT, Bangalore	105	FDP
2	Advanced materials in industrial Application	23-25 April-2013	Dr. AIT, Bangalore	100	FDP
3	Expectations from students by Industry	20, September,2016	Dr. AIT, Bangalore ISTE Chapter	120	Seminar
4	Recent Advances in Materials Characterization and Applications	20 <sup>th</sup> to 24 <sup>th</sup> March -2017	Dr. AIT, Bangalore	200	FDP
5	Recent trends for Industrial needs from students	10 <sup>th</sup> February 2017	Dr. AIT, Bangalore	200	Seminar
6	Advanced Materials Processing and Testing	3 <sup>rd</sup> November,2017	Dr. AIT, Bangalore	250	Seminar

## Consultancy Details

Sl. No.	Service Provided Details and Name of the organization	Year
1	Synthesis and Production of CNT by Arc discharge method for SJBIT, Bangalore	2013
2	High Temperature Erosive wear testing for KS Institute of Technology	2017
3	High Temperature Erosive wear testing for KS Institute of Technology	2017
4	Sliding wear Testing for KS Institute of Technology	2017
5	Sliding wear Testing for AMC Engineering College	2017
6	High Temperature Sliding wear test for Manipal University, Dubai	2017
7	Sliding wear test on composite materials for Department of Automobile and Aeronautical Engineering M.S.Ramaiah University of Applied Sciences, Bangalore	2017
8	Sliding wear Testing for Sambram Institute of Technology Bangalore	2018
9	Sliding wear Testing for Global Academy College of Engineering, Bangalore	2018



## Ph.D/Msc Students

Sl. No.	Names of persons registered for PhD/ Affiliation	Title of Thesis	Institute name / Dept. name, where PhD is registered	Date of Registration Month/ Year	Likely date of completion	Progress status
1	Ashok Kumar	Studies on Tribological Behaviour of filler filled Natural Composites materials	Visvesvaraiah Technological University	June-2013	June-2017	Comprehensive Completed
2	Satheesh	Cryogenic treatment of Mateirls	Visvesvaraiah Technological University	June-2014	June-2018	Submitted Thesis
3	Sacheeth	Metal Matrix Composites	Visvesvaraiah Technological University	June-2014	June-2018	Submission stage
4	Vinay Kumar	Tribology on Natural and Synthetic Composite Materials	Visvesvaraiah Technological University	June-2014	June-2018	Comprehensive Completed
5	Sharath Kumar	New Innovation in Indian Railways	Visvesvaraiah Technological University	June-2015	June-2018	Course Work Perusing

## Invited Lectures

Sl. No.	Name of Conference/ workshop	International / National	During (Dates-Month-Year)	Place/ Venue/ Institute	Organizers	No. of participants/	Type Workshop/ Conference
1	Composite Mechanics and Processing	National	April-2013	Bangalore	PESIT-Bangalore	300	TEQIP Sponsored FDP
2.	TTMT National Conference	National	June2017	Bangalore	SJBIT-Bangalore	200	National Conference
3	POLYCON2017	National	September 2017	Mysore	SJCE-Banaglaore	300	International Conference

4	ETME-2017	International	December-2017	Mandya	CIT-Mandya	300	International Conference
5	World Class New Manufacturing	National	January-2018	Bangalore	The Oxford College of Engineering	300	AICTE Sponsored FDP
6	Advanced Manufacturing Process and Testing	National	September 2018	Puttur DK	Vivekananda College of Engineering and Technology	300	National Seminar

### Industry Interaction

Sl. No.	Name of organizations	Purpose	Place/Venue	Duration
1	Ducom Industry Ltd	Perusing Collaborative research work	Bangalore	2013 - 2015

### Other Responsibilities Undertaken

Sl. No.	Name of the Academic Body	Position	University	Period	
				From	To
1	VTU Exam	DCS	VTU	2012	2013
2	BOE	Chairman	Dr. AIT (VTU)	2010	Till Date
3	TEQIP	Coordinator	Dr. AIT(VTU)	2010	Till Date
4	Research Progress Review Committee	Coordinator	Dr. AIT(VTU)	2010	Till date

## Examiners

Sl. No.	Name of the Academic Body	Position	University/Institute
1	M.E Project work viva voce examiner.	Examiner	VTU/Bangalore University/ NIT-Trichy
2	Ph.D thesis evaluation and Examiner for final Ph.D viva voce	Indian Examiner	VTU/Bangalore University/Anna University Chennai
3	Examiner for Pre Ph.D Comprehensive viva voce	Internal Examiner	VTU/Bangalore University/Anna University Chennai
4	Doctoral Committee member.	DC Member	NIT-Trichy
5	Thesis Evaluation for Ph.D students	Indian Examiner	VTU/Anna University
6	Ph.D Examination Board Member	Board Member & Scrutinizer	Bangalore University

## Countries Visited :

1. Worked as a CAD/CAM Engineer at FUYU Manufacturing Ltd. Singapore Year 2001
2. Attended and presented technical paper at Malaysian International Tribology Conference, Kota Kinabalu, Malaysia. Year 2013.

## Knowledge of Subject Handled:

Material Science and Metallurgy, Manufacturing Process, Non-Conventional Machining Process Advanced Materials Technology, Kinematics of Machines, Total Quality Management, Computer Integrated Manufacturing, Automation in Manufacturing, Materials Management, Strength of Material, Computer Aided Machine Drawings, Management Information System.

## Knowledge of Laboratory Handled:

Basic Material Testing Lab, CAD/CAM Lab, Machine shop Lab, Fluid Mechanics and Energy Conversion Lab.

## CAD/CAM/CAE Knowledge:

AutoCad, Mastercam, Unigraphics, CATIA and Ansys.

### Research Center Coordinator

Testing of Tribo samples such as metals, MMC's, Composites etc. Test was conducted by using different tribometers and to study the Sliding wear, Abrasive wear and Erosive wear as per ASTM standards.

### Google Scholar Citations

	All	Since 2013
Citations	147	120
h-index	8	7
i10-index	7	7



### Research Gates

**RG Score: 16.81**