RESUME

Dr. MAHADEVGOUDA. G. PATIL

Date of Birth: 12-08-1969

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Professor
Department of Mechanical Engineering
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Teaching Experience : 29 Years

Academic Background

Qualifications	Board/University /IIT	Institute and place where studied	Year of passing
Ph.D	IIT, Roorkee	IIT, Roorkee	2013
M. Tech	VTU, Belgaum	B.M.S.College of Engineering, B'lore	2003
BE(Mechanical)	University of Mysore	Govt. B. D. T College of Engg., Davangere	1992

Professional Excellence Summary

- Have over ***twenty five years*** of experience in teaching at college level.
- Have experience as the education counselor at B M S College of Engineering, Bangalore.
- Have attended various short terms courses to excel in teaching and administrative management.

Professional Background

- **1998 till date** : Working as Professor at B M S College of Engineering, Bangalore with the following work responsibilities
- 1996 to 1997: Worked as Quality Control Engineer in Kristeel Shinwa India Ltd., Silvassa.
- 1992 to 1995: Worked as Lecturer in Bapuji Polytechnic, Davangere.

- Implemented and developed several labs and experimental setups to the students of the undergraduate program.
- Provided necessary education counseling as the education advisor to the students.
- Have handled various mechanical subjects at undergraduate level.
- Conducted various adequate classes on the engineering subjects and administrative management.
- Guided various students for their final year projects.
- Worked as coordinator for students Mechanical Engineering Association
- Worked as member in College Sports and cultural committee.

Research Background

- Have three years of research experience at Indian Institute of Technology Roorkee, Roorkee.
- Attended technology conferences and presented papers.
- Published around 16 research papers (list enclosed).

Brief Bio-Data of Dr. Mahadevgouda. G. Patil

Dr. Mahadevgouda. G. Patil, Ph.D in Metallurgical & Materials Engg. from IIT Roorkee is Professor in B. M. S College of Engineering, Bangalore. He has 25 years of teaching experience. His area of research is Non Conventional Machining and Powder Metallurgy. He has published 14 papers in the International refereed journals and presented 02 paper in the international conferences. He is actively involved in teaching of UG courses in Mechanical Engineering.

Have guided several B.E projects and three M.Tech projects.

Presently guiding one M.Sc Engg.

Guided two Ph.D students.

Papers published by Dr. Mahadevgouda. G. Patil

1. **M. G. Patil**, K. Chandra, P. S. Misra, "Magnetic Abrasive Finishing – A Review", published in Advanced Materials Research Journal, Vols. 418-420, (2012), pp. 1577-1581 and presented in International Conference ICAMMP, held in Guilin, China during 16^{th}-18^{th} December, 2011.

2. **M. G. Patil**, K. Chandra, P. S. Misra, "Polishing Characteristics of Magnetic Abrasives Produced by Mechanical Alloying", Presented in International Conference PMAI-12 held in Mumbai, during 2^{nd} - 4^{th} February, 2012.

3. **M. G. Patil**, K. Chandra, P. S. Misra, "Study of Magnetic Abrasive Finishing using Mechanically Alloyed Magnetic Abrasives", published in Advanced Materials Research Journal, Vol. 585, (2012), pp. 517-521 and presented in International Conference AMPCO, held in IIT Roorkee, India, during 2^{nd} – 3^{rd} November, 2012.

4. **M. G. Patil**, K. Chandra, P. S. Misra, "Study of Mechanically Alloyed Magnetic Abrasives in Magnetic Abrasive Finishing", published in International Journal of Scientific and Engineering Research, Vol. 3, Issue 10, (2012), pp. 1-5.

5. Shafiur Rahman, **M. G. Patil**, "Development of Wind Powered Mobile Charger", published in International Journal of Research in Aeronautical & Mechanical Engineering, Vol. 3, Issue 11, (2015), pp. 26-39.

6. Shivashankara, Rudra Naik, **M.G.Patil**, "Selection of Bonding Materials for Manufacturing Grinding Wheels'', presented in ICAMES-17, PESCE, Mandya,April 2017.

7. Chethana. K.Y, **M. G. Patil**, Y.S Rammohan, Lokesh.G "Quasi Static Energy Absorption Capacity of Polymer filled Aluminium Tubes", published in IJSART, Vol. 4, Issue 1, (2018), pp. 82-87.
8. Chethana. K.Y, Y.S Rammohan, **M. G. Patil**, Lokesh.G "Drop Weight Impact Energy Absorption Capacity of Elastomer filled Aluminium Tubes", published in IJSART, Vol. 4, Issue 1, (2018), pp. 94-99.
9. K. Y. Chethana , Y S Rammohan , **M G Patil**, Lokesh G, "Influence of MWCNT addition on mechanical properties of density graded E-glass fiber reinforced polyester

resin composites'', AIP Conference Proceedings 2057 (1), 020040 (2019) Published online 11 January 2019.

10. Vishwas B Patil, Vinayak, Vishanth, Vishwas M, Anil Chandra, **M.G.Patil**, Shivashankar, "A study on the effect of off-axis loading on the fatigue strength of FRPs using modelling techniques '', INCAM 2019 Conference, 3-5 July 2019, IISc, Bangalore, pp. 217-221.

11. Chethana K. Y , **M.G.Patil,** Y S Rammohan , "Effect of Fiber Mat Density and Crushing Mechanism on the Energy Absorption Capacity of GFRP Crashworthy Tubes ", International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN:2278-3075, Volume-8 Issue-9S3 July 2019, pp. 297-301.

12. K. Y. Chethana , Y S Rammohan , **M G Patil**, "Effect of collapse trigger mechanism on the energy absorption capability of GFRP tubes'' , AIP Conference Proceedings 2247, 020010(2020).

13. K. Y. Chethana , Y S Rammohan , **M G Patil**, "Prediction of axial load on variable graded composite tubes for crashworthy structure'', Materials Today: Proceedings 39 (2021), pp: 1673-1676.

14. Shivashankara, Rudra Naik, **M.G.Patil**, '' Influence of Internal Grinding Wheel using Aluminium Oxide with Boron Nitride and its Relation to Dressing and Surface Roughness '', Int. J. of Vehicle Structures & Systems, 14(4). pp 530-534, ISSN:0975-3060.

15. Shivashankara, Rudra Naik, **M.G.Patil**, '' Effect of Aluminium Oxide with Boron Nitride Grinding Wheel on Surface Roughness with Finishing of EN-8 SteelRoughness '', Int. J. of Vehicle Structures & Systems, 14(4). pp 535-539, ISSN:0975-3060.

16. Shivashankara, Rudra Naik, **M.G.Patil**, ''Evaluation of vitrified bonding strength using aluminium oxide with boron nitride grinding wheel '', Materials Today: Proceedings Vol.92, Part 1, 2023, pp 271-277