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1. Prabhu K and Jancirani J (2012) " Investigation on the Performance of the quarter car model suspension system using electromagnetic actuator " International Journal Mechanical and Automobile engineering ,IJME special edition , Volume 20, Issue No:1, pp .1-8, ISSN No: 0974-231X.

2. Ganesh V and Jancirani J (2012) "Design and control of variable braking force system on a two wheeler" International Journal of Vehicle Design. Vol 60,Nos.3/4 2012 Inderscience Publishers ,Impact factor of 0.465

3. Prabhu K and Jancirani J (2012) "Performance of electromagnetic based suspension system for Automobile " International Journal of Vehicle structures and systems,4(2) 43-47, ISSN No: 0975-3060
4. Jeyanthi and J.Jancirani (2012) "Improving Mechanical properties by kenaf natural long fiber reinforced composite for of automotive structures" Journal of Applied science and Engineering , Vol.15,no.3,pp 275-280(2012),Impact factor of 0.43
5. Jeyanthi and Jancirani J (2012) "Mechanical properties of hybrid long fibre reinforced composite for passenger car bumper beam " International Journal of Mechanical and Automobile Engineering , pp14-17, volume 21,Issue no:01
6. V.Ganesh and Jancirani J (2012) "Mechanical control of Braking force for empty and loaded condition on a two wheeler Disc brake " International Journal of Mechanical and Automobile Engineering , Vol.17,no.3,pp 25-28 .
7. Balamurugan and Jancirani J (2012) "An investigation on semi-active suspension damper and control strategies for vehicle ride comfort and road holding "Proc IMechE Part I: J Systems and Control Engineering Volume 226 Issue 8 September 2012 pp. 1119 - 1129. Impact factor of 0.477
8. Jeyanthi and Jancirani J (2012) "Impact Analysis of Automobile Bumper Beams to Improve Crashworthiness Using FEA" Volume. 19, Issue. 2012, 8 of 'Wulfenia' Journal. Highly cited ISI indexed journal with Impact factor of 0.267
9. Jeyanthi and Jancirani J (2012) "Influence of natural long fibre in mechanical, thermal and recycling properties of thermoplastic composites in automotive components "International Journal of Physical Sciences.IJPS-12-521.Vlolume 6(1) 2012. Impact factor of 0.546
10. Prabhu K and Jancirani J (2012)" Vehicle active suspension system simulation with optimum PID Technique "Volume. 19, Issue. 9, 2012 pp no: 119-129 of 'Wulfenia' Journal. Impact factor of 0.267
11. Jeyanthi S, Jancirani J and Paul Chandra Kumar J(2012) "A numerical performance of automobile front beam by finite element analysis "International Review of Mechanical Engineering(IREME)November 2012 (Vol. 6 N. 7) Impact factor 6.47, ISSN No.1970 - 8734
12. Balaji K, Avinash k, Santhosh b, Rafath sherief & Jancirani J(2012) "Simulation & fabrication of hydraulic power boost system" International Journal of Automobile Engineering Research and Development . ISSN 2277-4785 ,Vol. 2 Issue 3, 2012 PP31-41. Impact factor of 2.7

13. Balamurugan and Jancirani J (2012)" Algebraic modelling of a field controllable Magneto rheological fluid damper " International Journal of Science and Engineering Applications (IJSEA) Volume 1 Issue 2, 2012 Edition. ISSN - 2319-7560
14. Prabhu K, Jancirani J, Dennei John (2012) " Design and simulation of air suspension system" Arc. Des. Journal Vol. 65, No:11, 2012 pp 161-172, ISSN : 1661-464X .Impact factor 0.647 -
15. Balamurugan and Jancirani J (2013) "Application of a new modified parametric algebraic model for magneto rheological damper in vehicle semi-active suspension System" International Journal of Automobile Engineering Research and Development , ISSN 2277-4785 ,Vol. 3, Issue 1, pp. 1-14. Impact factor of 2.7
16. Prabhu K, Jancirani J, Dennei John and Arun B(2013)" Vibrational control of air suspension system using PID controller "Journal of Vibro Engineering", 2013, Volume 15, Issue 1.ISSN: 1392-8716. Impact factor 0.435 - SCI Journal
17. Balamurugan and Jancirani J(2013)"Characterization of Magneto – Rheological (MR) damper using modified algebraic model " International Journal of Mechanical Engineering and Research ISSN : 2249-0019 Volume 3, number 1(2013) pp 63-66
18. M.Rajesh, R.Rajesh, Jancirani J(2013)" Effective utilization of exhaust heat from internal combustion engines – An overview" International Journal of Engineering Research and Technology. ISSN0974 -3154, Volume 6, Number 4 , pp255-258
19. Anbalagn R and Jancirani J(2013) "Design and Modification of Vacuum braking system" International Journal of Engineering Research and applications, ISSN 2248 -9622, Vol. 3, Issue 3, May –Jun 2013, pp 907-916
20. Prabu K and Jancirani J (2013) " Experimental Investigation on road vehicle active suspension " Strojniski vestnik- Journal of Mechanical Engineering , Volume 59, No:10 pp :620-625, 2013, Impact Factor 0.883
21. Dennie John , Jancirani J and Prabu K(2013) " Mathematical Modelling of a pneumatically Actuated Half car Active suspension" International Journal for Scientific Research and Development , vol. 1, Issue 15 , PP 1107-1110, 2013
22. Jeyanthi S, Jancirani J (2014) "High velocity Impact analysis of the thermoplastic Bumpers in automobile "Journal of Scientific and Industrial Research, vol 73, January 2014 , PP 66-68. Impact factor 0.505

23. Sathishkumar.P , Jancirani J, Dennie John(2014) “ Reducing the seat vibration of vehicle by semi active force control technique” Journal of Mechanical Science and Technology 28 (2) (2014) 473~479, Springer Publications
24. Balamurugan L and Jancirani J and M. A. Eltantawie (2014) “Generalized Magneto Rheological (MR) damper model and its application in semi active control of vehicle suspension system “ International Journal of Automotive Technology , Vol. 15, No : 3 pp. 419-427 . Impact factor 0.435
25. Manikandan S and Jancirani J (2014) “Review on Heat Transfer enhancement of nano fluids -Engine coolant “Journal of Advanced Materials Research Vols. 984-985 (2014) pp 1095-1101, (2014) Trans Tech Publications, Switzerland - SCI Journal
26. Manikandan S and Jancirani J (2014) “A Study of preparation and characterization of Nano-sized SiC powder using High energy ball milling” Journal of Applied Mechanics and Materials Vols. 592-594(2014)pp13-17,TransTechPublications,Switzerland
27. Sathishkumar.P , Jancirani J, Dennie John and Arun B (2014) “ Controller Design for Convolved Air spring system controlled Suspension “Journal of Applied Mechanics and Materials Vols. 592-594 (2014) pp 1025-1029, (2014) Trans Tech Publications, Switzerland-
28. Sathishkumar.P , Jancirani J, Dennie John(2014) ” An approach on performance comparison of quarter car suspension system” Journal of Applied Mechanics and Materials Vols. 592-594 , PP 984-985, (2014) Trans Tech Publications, Switzerland-
29. Sathishkumar.P , Jancirani J, Dennie John(2014) “ Reducing the seat vibration of vehicle by semi active force control technique” Journal of Mechanical Science and Technology , volume 28 (2) (2014)pp. 473~479, Trans Tech Publications
30. Sathishkumar.P , Jancirani J, Dennie John(2014) “ Reduction of axis acceleration of quarter car suspension using pneumatic actuator and active force control technique” Journal of Vibro Engineering. . VOLUME 16, ISSUE 3.PP 1416-1423 ISSN 1392-8716-
31. M. Rajesh, Jancirani J, Aishwarya(2014)” Design of Electromechanical Engine for Zero Direct Emission” Journal of Applied Mechanics and Materials Vol. 591 (2014) pp 23-26-
32. Balamurugan L and Jancirani J (2014)“ Characterization of Magneto Rheological (MR) damper and its use in semi active control of quarter car Model” International Journal of Vehicle Noise and Vibration. Inderseceience Publication. ISSN : 1479- 1471. Vol. 10,

Nos. 1/2,pp-108-128 , Impact factor 0.435

33. Jeyanthi S, Jancirani J(2014)“Development of Natural Long Fiber Thermoplastic Composites for Automotive Frontal Beams” has been accepted for publication

PUBLICATIONS IN INTERNATIONAL AND NATIONAL CONFERENCES

1. P.Sathish Kumar, Prabhu K and Jancirani J “ Analyze the performance of active suspension system for passenger vehicle to improve the ride comfort : proceedings of National conference on recent trends in Automobile engineering ,SA engineering college , Chennai 4th Feb 2012
2. R.Sakthivel and Jancirani J ” Optimization of passenger car bumper Beams of improve crashworthiness” Proceeding of national conference on emerging trends in mechanical engineering Rover college of engineering and technology February 16th and 17th 2012
3. R.Sakthivel and Jancirani J ” Optimization of passenger car bumper Beams to improve crashworthiness” Proceeding of international conference on Recent advances in Mechanical Engineering , 19th -20th April 2012
4. P.Sathish Kumar and Jancirani J “ Modeling and Simulation of quarter car suspension for improving the ride comfort” proceedings of National conference on Design, Manufacturing and Thermal Engineering ,SKR engineering college Chennai 30th March 2012
5. Jeyanthi S , Jancirani J and Paul Chandra kumar J” A Numerical performance of Automobile front beam by Quasi static analysis “ proceedings of the international conference on mathematics in engineering and Business management , March 9-10 2012, ISBN978-81-8286-015-5,pp228-231
6. Rajesh M, Jeevamalar J and Jancirani J” Active noise reduction of automotive HVAC system using Filtered LMS (Part 1 – Sound measurement)” Proceeding of IEEE international conference on advances in engineering , Science and Management , March 30-31 2012, ISBN 978-81909042-2-3
7. Prabhu K Jancirani J and Jeevamalar J” Development of an actively controlled vehicle suspension for passenger vehicles” Proceeding of IEEE international conference on advances in engineering , Science and Management , March 30-31 2012, ISBN 978-81909042-2-3

8. Jeyanthi S ,Jeevamalar J and Jancirani J” Influence of Natural fibers in recycling of thermoplastics for automotive components” Proceeding of IEEE international conference on advances in engineering , Science and Management , March 30-31 2012, ISBN 978-81909042-2-3
9. P.Sathish Kumar Prabu K and Jancirani J “ Vibration controlling and energy recuperation in active suspension system using liner electric actuator” proceedings of National conference on recent advances in engineering and Technology, Srimuthukumarn Institute of Technology Chennai , 27th April 2012 pp 120-124
10. Jeyanthi and Jancirani J“ Development of Knef long fiber Biopolymer composites for frontal beams in Automobiles” 2nd Asian symposium on material processing IIT Madras, 30th -31st August 2012
11. Blamurugan L and Jancirani J “ Characterization of Magenetorheological damper using modified algebraic model” International conference on WORLD congress on Frontiers of Mechanical, Aeronautical; and Automobile Engineering 2nd-3rd Feb 2013 IIT Delhi
12. Stalin Wilfred Gunadoss and Jancirani J” Investigation on different Brake friction materials” National conference on Recent trends in Manufacturing sciences at Dhanalakshmi srinivasan College of engineering and technology, Chennai on 12th April 2013
13. Arun B and Jancirani J “ Modeling and simulation of vehicle suspension system “ National conference on Recent trends In mechatronics and Industrial safety Engineering K.S.Rangasamy College of Technology Trichengodu, Namakkal 10th April 2013
14. ADJ Nandakumar and Jancirani J “ Mathematical Modeling Of MR Dampers Based On Fluid Dynamic Principles – A Review” Proceedings of Indian Conference on Applied Mechanics (INCAM) 2013 IIT Madras, 4 – 6 July 2013,PP 248 and 249
15. Sathishkumar and Janicrani J” An approach on performance comparison of quarter car suspension system” Proceedings International conference on recent advances in Mechanical engineering and Interdisciplinary Developments on 6 and 7 th March 2014(ICRAMID 2014) ISBN: 978-93-80609-17-1 , pp no: 539-542
16. Manikandan S and Janicrani J “Review on heat transfer enhancement of Nano fluids – engine coolant “Proceedings International conference on recent advances in Mechanical engineering and Interdisciplinary Developments on 6 and 7 th March 2014 .(ICRAMID 2014) ISBN: 978-93-80609-17-1 , pp no: 926-929

TRAINING PROGRAMMES/SEMINAR AND WORKSHOP ATTENDED

1. AICTE sponsored STTP on Automation and computer applications in manufacturing, IIT Madras Chennai, 6th -10th Feb 2012 (One week)
1. AICTE sponsored STTP on “Recent advancement and research in Robotics “ EGSP Engg College, Nagapattinam , 7th -18th May 2012(Two week)
2. AICTE sponsored STTP on” Recent trends in Automotive Electronics “ IRTT Erode, 3rd -16th June 2013(Two week)
3. AICTE sponsored STTP on” Renewable Energy based cooling systems- Opportunity and Challenges “ St.Joseph college of Engineering Chennai ,18th-29th Nov 2013(Two Week)
4. Short Course on “Advanced Theory of IC Engines “Organized by Centre for Faculty Development, Anna University Chennai, 9th -15th December 2013. (One week)
5. International conference on “Recent Innovations in Production Engineering “ (RIPE 2017 held during 24th -25th March 2017 organized y department of production Technology MIT Campus, An university Chennai – 44
6. AICTE sponsored FDP on “Fundamentals of vibration measurement, analysis and control” St. Joseph College of Engineering Chennai, 30th October 10 Nov, 2017 (Two Weeks)
7. One day workshop on Intellectual Property Rights 2018, (IPR 2018, 2nd February 2018, MIT campus, Anna University Chennai

Seminar/Books Publication

Contribution Department

PRODUCTION TECHNOLOGY

[Home \(/en/pt-home\)](#)

[Vision and Mission \(/en/pt-vm\)](#)

[HOD's desk \(/en/pt-hod\)](#)

[Faculty \(/en/pt-fac\)](#)

[Courses \(/en/pt-cou\)](#)

[Curriculum \(/en/pt-curr\)](#)

[Facilities \(/en/pt-facil\)](#)

[Programs \(/en/pt-prog\)](#)

[Research \(/en/pt-res\)](#)

[Events \(/en/pt_staff\)](#)

[Mechatronics \(/en/pt-mech\)](#)

[Central Workshop \(/en/central-workshop\)](#)

[360 Virtual Tour \(http://www.mitindia.edu/Mit_Codes_custom/Virtual_Tour/mit-production_FL_VT/\)](http://www.mitindia.edu/Mit_Codes_custom/Virtual_Tour/mit-production_FL_VT/)

[Students \(/en/pt_menu\)](#)

[Archive \(http://www.mitindia.edu/archive/?dir=PT_MECH\)](http://www.mitindia.edu/archive/?dir=PT_MECH)

ACADEMICS

[Placements \(/en/2014-11-23-18-26-47\)](#)

[Eligibility Criteria \(/en/eligibility-criteria\)](#)

[CAC \(https://www.annauniv.edu/academic_courses/index.html\)](https://www.annauniv.edu/academic_courses/index.html)

[NPTEL Notes \(/en/nptel-notes\)](#)

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[Centre For Research \(https://cfr.annauniv.edu/research/index.php\)](https://cfr.annauniv.edu/research/index.php)

[AUKBC \(http://www.au-kbc.org\)](http://www.au-kbc.org)

INFRASTRUCTURE

[Health Center \(http://www.health-centre.mitindia.edu/health_centre/\)](http://www.health-centre.mitindia.edu/health_centre/)

[Central Library \(/en/2014-11-23-19-32-52\)](#)

[Co-operative Stores \(/en/co-operative-stores\)](#)

[SIEMENS Center of Excellence \(/en/au\)](#)

STUDENT ACTIVITIES

[Computer Society \(/en/computer-society\)](#)

[Athenaeum \(/en/athenaeum\)](#)

[PDA \(/en/pda\)](#)

[Museum \(/en/museum\)](#)

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