


**Sri Sai Ram Institute of Technology**  
**Department of Mechanical Engineering**

Name & Photo	<p style="text-align: center;">Dr. K.Palanikumar</p> 
Designation:	Professor & Principal
Qualification :	M.E.,Ph.D.,PDF
Area of Specialisation :	Composites, Computer Integrated Manufacturing
Experience :	20 Yrs Teaching
No. of workshop / Conferences / FDP attended :	5 Workshops/8 Conferences/4 FDPs
No. of workshop / Conferences / FDP organised:	04 Workshops/4 Conference/2 FDP
Funded Projects	<ul style="list-style-type: none"> <li>• Rs.10 Lakhs sanctioned for Development of Computer Integrated manufacturing System Program sponsored by AICTE in the duration of March'98 to 01-09-2011</li> <li>• Rs.7 Lakhs sanctioned for Staff Development Programme on Artificial Intelligence with AI Program sponsored by AICTE in the duration of 15/09/2011 - 27/09/201</li> <li>• Rs.2 Lakhs sanctioned for Short Term Training Programme on Latest Trends in Manufacturing for Global Competitiveness- A Changing Trend approach with case studies Program sponsored by ISTE in the duration of 05-12-2004 to 19/12/2004</li> <li>• Rs.6 Lakhs sanctioned for Processing and Characterization of composite materials including natural fiber reinforced composites Program sponsored by AICTE in the duration of 18/03/2015 to 31/03/2015</li> </ul>

Publication :	<ul style="list-style-type: none"> <li>• Publications in SCi Journals: 88</li> <li>• Publications in Scopus Indexed journals:67</li> <li>• International Conference Proceedings: 46</li> <li>• National Conference Proceedings: 24</li> </ul>
Research Guidance :	09 Completed & 12 Guiding
General :	<ul style="list-style-type: none"> <li>• Member in Chartered Engineer (India), The Institution of Engineers, India</li> <li>• Fellow Member, The Institution of Engineers, India</li> <li>• Fellow Member, Indian Institution of Production Engineers (IPE)</li> <li>• Life Member, Indian society for Technical Education</li> <li>• Life Member, Indian Society for Non-Destructive Testing and Evaluation</li> <li>• Life Member, Tribology society of India</li> <li>• Life Member, Indian Welding society</li> </ul>
Staff Achievements:	<ul style="list-style-type: none"> <li>• Maharashtra State National Award for Best Research work in Engineering and Technology for the Year 2013 by Indian Society for Technical Education</li> <li>• Special paper presentation by National Board of Accreditation, New Delhi.</li> <li>• Best Researcher Award, Association of Scientist, Developer and Faculties</li> <li>• Received Best paper award from YMCA University, Faridabad</li> <li>• Best Faculty Award from Nehru Group of Institutions</li> </ul>

## ANNEXURE

### Prof. K. Palanikumar

4/8/2015



**Professor and Principal,  
Department of Mechanical Engineering  
Sri Sai Ram Institute of Technology, Chennai-600 044, India.**  
Date of Birth: 10/05/1968.

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1. Father's Name : R. Kayaroganam
2. Address for Communication : Plot No. 76, 6<sup>th</sup> Cross Street,  
V.G.P. Srinivasa nagar North,  
Rajakilpakkam,  
Chennai – 600 073.
- a) Mobile No : 09677053338
- b) Land Line No : 044 -22512111

3. Qualification with specialization:

Degree	Specialization	Year of Passing	University	Class
AMIE	Mechanical Engineering	1994	Institution of Engineers (India)	--NA--
M.E.,	Production Engineering	1996	Annamalai University	First Class with Distinction University First rank
Ph.D	Mechanical Engineering	2004	Anna University	--NA--

4. Post – Doctoral qualification if any

S. No	Nomenclature of Qualification	Area of Specialization
1.	Post Doctoral work with Prof. J. Paulo Davim, University of Aveiro, Portugal.	Machining of Composites

5. Additional Qualification if any (Degree/ Certification)

S. No	Nomenclature of Qualification	Year of passing
1.	Post Diploma in Tool Design	1994
2.	Diploma in Mechanical Engineering	1987

6. Teaching Experience

From	To	Institutions	Department	Duration
2008	Present	Sri Sai Ram Institute of Technology, Chennai	Mechanical Engineering	6 years
2004	2008	S.R.R. Engineering College, Chennai	Mechanical Engineering	4 years
1994	2004	Sathyabama University, Sathyabama Engineering College, Chennai.	Mechanical and Production Engineering Computer Aided Design (P.G)	10 years

7. Membership in Professional Bodies

S.No	Title	Membershi No.	Year
7.	Chartered Engineer (India), The Institution of Engineers, India	F-116936-6	March 2012
6.	Fellow Member, The Institution of Engineers, India	F-116936-6	March 2012
5.	Fellow Member, Indian Institution of Production Engineers (IPE)	SF2108	Feb 2004

4.	Life Member, Indian society for Technical Education	LM 23708	Mar 1997
3.	Life Member, Indian Society for Non-Destructive Testing and Evaluation.	LM6684 CH	Feb 2004
2.	Life Member, Tribology society of India.	LM3707	April 2007
1.	Life Member, Indian Welding society.	L00737	March 2008

#### 8. Research Projects/ Fund received

S. No.	Name of the Project	Funding agency	Fund Received	Duration
1.	Development of Computer Integrated manufacturing System.	AICTE	10.00 Lakhs	March ' 1998 -01-09-2011
2.	Staff Development Programme on Artificial Intelligence with AI	AICTE	7.0 Lakhs	15/09/2011 - 27/09/201
3.	Short Term Training Programme on Latest Trends in Manufacturing for Global Competitiveness- A Changing Trend approach with case studies	ISTE	2.0 Lakhs	05-12-2004 to19/12/2004
4.	Processing and Characterization of composite materials including natural fiber reinforced composites	AICTE	6.0 Lakhs	18/03/2015 to 31/03/2015

#### 9. Events Organized

S. No.	Name of the Event	Organized at	Level
1.	Two weeks short term training programme on Recent trends in Manufacturing sponsored by ISTE	Sathyabama University, Chennai	National Level sponsored by ISTE, 2004
2.	Organized International conference on "Emerging Trends in Design and Manufacturing Technologies"	Sathyabama University, Chennai	International Level, 2007.

3.	One day workshop on Processing of Polymers	Sri Sai Ram Institute of Technology, Chennai, Tmilnadu	State Level
4.	Two weeks Faculty Development Programme on 'Soft computing with AI'	Sri Sai Ram Institute of Technology, Chennai, Tmilnadu	National level sponsored by AICTE, 2011.
5.	National conference on Information and Communication Engineering.	Sri Sai Ram Institute of Technology, Chennai, Tmilnadu	National Conference
6.	National workshop on How to write Journal Papers	Sri Sai Ram Institute of Technology, Chennai, Tmilnadu	National Level, 2014.
7.	National workshop on green composites	Sri Sai Ram Institute of Technology, Chennai, Tmilnadu	National Level, 2014
8.	International Conference on Advances in Materials and Manufacturing Engineering	Sri Sai Ram Institute of Technology, Chennai, Tmilnadu	International Dec' 19-20' 2014
9.	AICTE sponsored Two weeks faculty Development Programme on Processing and Characterization of composite materials including natural fiber reinforced composites	Sri Sai Ram Institute of Technology, Chennai, Tmilnadu	National level sponsored by AICTE, 2015.

#### 10. Consultancy

S. No.	Title and Client	Duration
1.	Tool Design, S.A. International Limited, Government of Tamilnadu undertaking Worked as a consultant for tool design course on Part-time basis.	2001-2003
2.	Tool Design, Karthick Industries, Chennai and Sathyabama University	2001-2004

	Offer consultancy for Tool design and earned more than 1 lakh as charges.	
3.	<u>Strategic Composites, Chennai</u> The materials and other requirement for carryout the Ph.D work is provided by the above company and the findings are included in their Project	05-12-2004
4.	<u>Effect of Nano modified polyester resin on hybrid Sandwich laminates</u> , Paper Published in Elsevier- Private patent bending	2013-present
5.	Composite material substitute for conventional materials, Super fiber Glass industries	2013-present
6.	Natural fiber composite mud guard for automobile	2013-present

### 11. Education related Activities

S. No.	Name of the Event	Organized by
1.	Presented a Paper titled "Curriculum development and implementation in Engineering and Technology Institutions: Industry Participation.	Indian Society for Technical Education, New Delhi Annual Convention at College of Engineering, Trivandrum, Kerala, 27-29 November 2014.
2.	Participated in " Accreditation Awareness programme" conducted by National Board of Accreditation.	Indian Society for Technical Education, New Delhi Annual Convention at College of Engineering, Trivandrum, Kerala, 27 November 2014.
3.	Participated in " National Skill Qualification Framework (NSQF) by AICTE.	Indian Society for Technical Education, New Delhi Annual Convention at College of Engineering, Trivandrum, Kerala, 27-29 November 2014.
4.	Participated in APAC Research Intelligence Conference at Nanyang Technological University, Singapore	Organized by Elsevier, 10 & 11 June, 2014.
5.	Presented a Paper titled "Role of Industry in Curriculum Development: Key Activities and Success Factors"	National Board of Accreditation, New Delhi 08-10, March 2014.

6.	Presented a Paper titled "Outcome based Accreditation in Engineering education and its role in improving quality"	National Board of Accreditation, New Delhi 08-10, March 2014.
7.	Participated in ISTE National Convention	Indian Society for Technical Education, New Delhi  Annual Convention at Tatyasaheb Kore Institute of Engineering and Technology, Maharashtra, 19-21 Dec' 2013.

12. Ph.D Completed under the Guidance (Doctor of Philosophy in Engineering)

S.No	Name of the Scholar	Title and university	Date of Completion
1.	Dr. M. Kathirvel	Experimental Studies and Analysis on Machining Characteristics of Hybrid Metal Matrix (A6061 Al +SiC+ Graphite (C)) Composites.  Sathyabama University, IT Highway, Chennai -119.	April 2011
2.	Dr. S.Prakash	Experimental Investigation and Analysis on Drilling Characteristics of Wood Fiber Board Composites.  Sathyabama University, IT Highway, Chennai -119.	May 2011
3.	Dr.V.K. Bupesh Raja	Experimental Investigation on Welding Characteristics of Ti6Al4V Alloy using GTAW and LBW Technique.  Sathyabama University, IT Highway, Chennai -119.	August 2011
4.	Dr.T. Rajmohan	Drilling Characteristics of hybrid metal matrix composites.  Sri Chandrasekarendra Saraswathi Viswa Mahavidyalaya, Kancheepuram, India.	May 2013.
5.	Dr.T.Sasimurugan	Some studies on machining characteristics of Hybrid (AA6061+SiC+ Al <sub>2</sub> O <sub>3</sub> ) aluminium metal matrix composites  Sathyabama University, IT Highway, Chennai -119	May 2013
6.	Dr.Altaf Hussain (Joint Supervisor)	Modeling, analysis and optimization of machining Characteristics of GFRP composites  Jawaharlal Nehru Technological University, Anantapur.	Jan 2013



7.	Dr.K. Umanath	Studies on Mechanical and wear behavior of Al6061 alloy/SiCp/ Al <sub>2</sub> O <sub>3</sub> hybrid metal matrix composites Bharath University, Chennai – 73.	Jan 2014
8.	Dr.T.N. Valarmathi	Studies on drilling of wood composite panels. Sathyabama University, IT Highway, Chennai -119.	April 2014
9.	Dr. M. Ramesh	Jawaharlal Nehru Technological University, Anantapur.	Dec' 2014

13. Books / Booklets / Monographs published

S.No	Title	Year of Publication	Author(s)
11.	Glass Fiber Reinforced Composite materials : Book Chapter in “ Composites in Helicopter industry” Published by Wood head Publications, UK	2015	K. Palanikumar
10.	Application of response surface method and desirability function for the optimization of machining parameters of hybrid metal matrix (Al/SiC/Al <sub>2</sub> O <sub>3</sub> ) composites, De-Grutyer Germany.	2014	K.Palanikumar,
9.	Application of artificial neural network for the prediction of surface roughness in drilling GFRP composites, Materials Science Forum, Trans Tech publications, Switzerland	2014	K.Palanikumar, B.Latha, V.S.Senthilkumar J.Paulo Davim
8.	Application of Taguchi method with Grey fuzzy logic for the optimization of machining parameters in machining composites, Computational Methods for Optimizing Manufacturing Technology: Models and Techniques. IGI-GLOBAL Publishers, USA.	2012	K.Palanikumar, B.Latha, J.Paulo Davim
7.	Machining Technology of Composite Materials, Chapter-6: Analysing surface quality in machined composites, Wood Head Publishing Limited, UK.	2011	K. Palanikumar
6.	"Optimization of machining parameters for multiple performances in drilling hybrid composites using desirability-based approach", Chapter 8 (in press), in Davim, J.P (Ed.), <u>Metal Matrix Composites</u> , NOVA Publishers, New York,	2011	K. Palanikumar, T.Rajmohan, J. Paulo Davim,

	2011, <u>ISBN: 978-1-61209-771-8</u>		
5.	"Modelling and analysis on wear behaviour of metal matrix composites", Chapter 7, (157-174) in Davim, J.P. (Ed.), <u>Tribology of Composite Materials</u> , NOVA Publishers, New York, 2010 <u>ISBN: 978-1-61668-319-1</u>	2010	K. Palanikumar, T.Rajasekaran, J. Paulo Davim,
4.	"Application of fuzzy logic in manufacturing: a study on modelling of cutting force in turning GRFP composites", Chapter 7, (111-128) in Davim, J.P. (Ed.), <u>Artificial Intelligence in Manufacturing: Research</u> , NOVA Publishers, New York, 2010 <u>ISBN: 978-1-60876-214-9</u>	2010	K. Palanikumar, J. Paulo Davim,
3.	"Analysis of delamination in drilling wood composite medium density fibreboards", Chapter 7 (121-136), in Davim, J.P. (Ed.), <u>Drilling of Composite Materials</u> , NOVA Publishers, New York, 2009 <u>ISBN: 978-1-60741-163-5</u> .	2009	K. Palanikumar, S. Prakash, C. V. Jayakumar and J. Paulo Davim
2.	Basic Workshop practice, ARS Publications, Tamilnadu, India.	2006	K. Palanikumar
1.	Basic Mechanical Engineering, ARS Publications, Tamilnadu, India.	2004	K. Palanikumar

#### 14. Awards & achievements

S.No	Title	Year
12.	Maharashtra State National Award for Best Research work in Engineering and Technology for the Year 2013 by Indian Society for Technical Education	Dec 2013
11.	Special paper presentation by National Board of Accreditation, New Delhi.	
10.	Best Researcher Award, Association of Scientist, Developer and Facultyies	Dec 2013
9.	Received Best paper award from YMCA University, Faridabad	Dec 2012
8.	Best Faculty Award from Nehru Group of Institutions	Sep 2012

7.	Best Teacher award from Sathyabama University	Sep 2008
6.	Best Teacher award from Sathyabama University	Sep 2004
5.	Best Technical paper in R&D in Journal of Non-Destructive Testing, for the year 2002	Dec 2003
4.	Best Teacher award from Sathyabama University	Sep 2002
3.	Best Teacher award from Sathyabama Engineering college	Sep2009
2.	University First Rank in M.E (Production Engineering)	Dec 1996
1.	Certificate of Excellence in Annamalai University Golden Jubilee Exhibition- 1995.	April 1996

#### 15. Faculty Development Programme/Workshop Participated

S.No	Title	No. of days	Year
13.	AICTE sponsored Staff development Programme on Advancements in Materials, Manufacturing Processes and Management Systems.	13	4-16, Nov' 2013.
12.	ISTE National Convention on Empowering Technical Education to Address Sustainability and Global Competitiveness.	03	19-21 Dec' 2013.
11.	Surface Engineering, Sponsored by Annamalai University, Chidambaram, India.	02	March 23,24, 2012
10.	AICTE sponsored Staff development Programme on Recent Developments in Manufacturing and management, Sri Sairam Engineering College, Chennai.	06	July 25-30, 2011.
9.	Soft Computing techniques – A Research Prospective, jaya Engineering College, Chennai	02	April' 4, 5, 2008.
8.	Finite Element Analysis of Welding Processes, National Institute of Technology, Trichirapalli.	02	Jan' 24, 25, 2008.
7.	International Seminar on Information and Communication Technology in Education. NITTR, Chennai.	01	26 Dec' 2007.
6.	Workshop on reliability and warranty, Operation research Society of	01	20 Dec 2004

	India, Chennai		
5.	One day workshop on Quality Engineering and Management, Rajalakshmi Engineering College, Chennai	01	31-01-2003.
4.	National Seminar on Global Trends in Manufacturing Technology, Anna University, Chennai.	01	25-07-2003
3.	AICTE-ISTE Sponsored Short Term training Programme on Recent Trends in Press Tool Design and Die Casting Techniques. Amrita Institute of Technology and Science, Coimbatore.	06	31-03-2003 to 05-04-2003.
2.	Intel Teach to the Future Program Conducted by Intel and Microsoft	16	30-09-2002 to 15-10-2002.
1.	National Workshop on Concurrent Engineering Practices in Automotive Design, Anna University, Chennai.	01	28-01-1999

#### 16. Journal Editorial Board

S.No.	Position	Name	From	To
1.	Editor	SIT-News	2008	Till date
2.	Associated Editor	Journal of Modern Manufacturing Technology	2011	Till date
3.	Editorial Board Member	International Journal of Design and Manufacturing Technology, Sathyabama University, Chennai, India.	2006	2008
4.	International Editorial Review Board	The International Journal of Manufacturing, Materials, and Mechanical Engineering (IJMMME), IGI-GLOBAL Publishers, USA.	2012	Till date
5.	Associated Editor	The International Journal of Materials Forming and Machining Processes (IJMFMP) IGI-GLOBAL Publishers, USA.	2013	Till date

17. Reviewer in Peer Reviewed Journals

Title of the journal
International Journal of Advanced Manufacturing Technology -Springer
Journal of Materials Processing Technology- Elsevier.
Journal of measurement – Elsevier.
International Journal of Machining and Machinability of Materials- Inderscience
Journal of GAZI University of Science and Technology
Journal of Tribology –Published by Moany
Asian Journal of Management
Journal of Composite Materials –SAGE
Journal of robotics, Hindawi
Journal of thermoplastic composite materials.
Journal of Materials: Design and Applications, Sage
Science and Engineering of Composite Materials (SECM), Degruyter, Germany
Mathematical Problems in Engineering
Jordan Journal of Mechanical and Industrial Engineering.
Multidiscipline Modeling in Materials and Structures
Advances in Mechanical Engineering
Journal of Nanomaterials
Journal of the Brazilian Society of Mechanical Sciences and Engineering (BMSE).
International Scholarly Research Notices.
Polymers for Advanced Technologies.
Journal of Alloys and Compounds
Journal of Industrial Chemistry

## REFEREED INTERNATIONAL JOURNAL PUBLICATIONS WITH IMPACT FACTOR

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<a href="#">i10-index</a>	56	54



**Prof. Dr. K. Palanikumar**

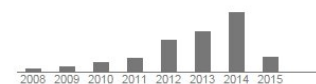
Professor and Principal, Sri Sai Ram Institute of Technology, India.  
Machining - composites - Tribology-Welding - artificial intelligence - statistical analysis  
Verified email at sairamit.edu.in



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Citations	1935	1789
h-index	26	25
i10-index	56	54



Title	1-20	Cited by	Year
Application of Taguchi and response surface methodologies for surface roughness in machining glass fiber reinforced plastics by PCD tooling K Palanikumar The International Journal of Advanced Manufacturing Technology 36 (1), 19-27		154	2008
Assessment of factors influencing surface roughness on the machining of			

\* Source: Google Scholar as on 28 April '2015

Publications in SCi Journals: 88

Publications in Scopus Indexed journals : 67

International Conference Proceedings: 46

National Conference Proceedings: 24

## Publications of Dr.K.PALANIKUMAR in SCI Journals

1.	NRR Anbusagar, K Palanikumar, PK Giridharan, " <u>Study of Sandwich Effect on Nanoclay Modified polyester resin GFR Face Sheet Laminates</u> ", Composite Structures	2015
2.	ST Selvamani, K Palanikumar, K Umanath, D Jayaperumal, " <u>Analysis of friction welding parameters on the mechanical metallurgical and chemical properties of AISI 1035 steel joints</u> ", Materials & Design 65, 652-661.	2015
3.	K Palanikumar, T Srinivasan, K Rajagopal, B Latha, " <u>Thrust Force Analysis in Drilling Glass Fiber Reinforced/Polypropylene (GFR/PP) Composites</u> ", Materials and Manufacturing Processes.	2014
4.	G Elango, BK Raghunath, K Palanikumar, K Thamizhmaran, " <u>Sliding wear of LM25 aluminium alloy with 7.5% SiC+ 2.5% TiO<sub>2</sub> and 2.5% SiC+ 7.5% TiO<sub>2</sub> hybrid composites</u> ", Journal of Composite Materials 48 (18), 2227-2236.	2014
5.	K Palanikumar, A Muniaraj, " <u>Experimental investigation and analysis of thrust force in drilling cast hybrid metal matrix (Al-15% SiC-4% graphite) composites</u> ", Measurement 53, 240-250.	2014
6.	ST Selvamani, K Palanikumar, " <u>Optimizing the friction welding parameters to attain maximum tensile strength in AISI 1035 grade carbon steel rods</u> ", Measurement 53, 10-21.	2014
7.	S Rathika, K Palanikumar, PS Raghavan, " <u>Physical Performance of Sisal-PALF-Banana/Glass Fiber Reinforced Polyester Hybrid Composites</u> ", Asian Journal of Chemistry 26 (14), 4157-4161.	2014
8.	MAJ Bosco, K Palanikumar, BD Prasad, A Velayudham, " <u>Analysis on influence of machining parameters on thrust force in drilling GFRP-armor steel sandwich composites</u> ", Journal of Composite Materials, 0021998314536068.	2014
9.	T Rajmohan, K Palanikumar, S Arumugam, " <u>Synthesis and characterization of sintered hybrid aluminium matrix composites reinforced with nanocopper oxide particles and microsilicon carbide particles</u> " Composites Part B: Engineering 59, 43-49.	2014

10.	NRR Anbusagar, PK Giridharan, K Palanikumar , " <u>Effect of nanomodified polyester resin on hybrid sandwich laminates</u> ", Materials & Design 54, 507-514.	2014
11.	T Rajmohan, K Palanikumar, JP Davim, AA Premnath , " <u>Modeling and optimization in tribological parameters of polyether ether ketone matrix composites using D-optimal design</u> ", Journal of Thermoplastic Composite Materials, 0892705713518790.	2014
12.	KVK Sastry, VS Rao, K Palanikumar, R Dhanalakshmi, A Kuravi , " <u>Assessment of Process Parameters Influencing Delamination Factor on the Drilling of CFRC Composite Material with Tin Coated Carbide Tool</u> ", Indian Journal of Science and Technology 7 (2), 142-150.	2014
13.	K Palanikumar, TN Valarmathi , " <u>Experimental Investigation and Analysis on Thrust Force in Drilling of Wood Composite Medium Density Fiberboard Panels</u> ", Experimental Techniques.	2014
14.	PM Diaz, N Austin, K Maniysundar, DS Manoj Abraham, K Palanikumar , " <u>Simulation Analysis of Combustion Parameters and Emission Characteristics of CNG Fueled HCCI Engine</u> ", Advances in Mechanical Engineering 2013.	2013
15.	K Palanikumar, T Rajasekaran, B Latha , " <u>Fuzzy rule-based modeling of machining parameters for surface roughness in turning carbon particle-reinforced polyamide</u> ", Journal of Thermoplastic Composite Materials, 0892705713513282.	2013
16.	K Umanath, K Palanikumar, ST Selvamani , " <u>Analysis of dry sliding wear behaviour of Al6061/SiC/Al<sub>2</sub>O<sub>3</sub> hybrid metal matrix composites</u> ", Composites Part B: Engineering 53, 159-168.	2013
17.	T Rajmohan, K Palanikumar, S Ranganathan , " <u>Evaluation of mechanical and wear properties of hybrid aluminium matrix composites</u> ", Transactions of Nonferrous Metals Society of China 23 (9), 2509-2517.	2013
18.	S Jayabal, S Velumani, P Navaneethakrishnan, K Palanikumar , " <u>Mechanical and machinability behaviors of woven coir fiber-reinforced polyester composite</u> ", Fibers and Polymers 14 (9), 1505-1514.	2013
19.	T Rajmohan, K Palanikumar, S Prakash , " <u>Grey-fuzzy algorithm to optimise machining parameters in drilling of hybrid metal matrix composites</u> ", Composites Part B: Engineering 50, 297-308.	2013



20.	RA Gandhi, K Palanikumar, BK Rangunath, JP Davim , " <u>Role of carbon nanotubes (CNTs) in improving wear properties of polypropylene (PP) in dry sliding condition</u> ", Materials & Design 48, 52-57.	2013
21.	M Ramesh, K Palanikumar, KH Reddy , " <u>Mechanical property evaluation of sisal-jute-glass fiber reinforced polyester composites</u> ", Composites Part B: Engineering 48, 1-9.	2013
22.	T Rajmohan, K Palanikumar , " <u>Application of the central composite design in optimization of machining parameters in drilling hybrid metal matrix composites</u> ", Measurement 46 (4), 1470-1481.	2013
23.	TN Valarmathi, K Palanikumar, B Latha , " <u>Measurement and analysis of thrust force in drilling of particle board (PB) composite panels</u> ", Measurement 46 (3), 1220-1230.	2013
24.	TN Valarmathi, K Palanikumar, S Sekar , " <u>Parametric Analysis on Delamination in Drilling of Wood Composite Panels</u> ", Indian Journal of Science and Technology 6 (4), 4347-4356.	2013
25.	TV Rajamurugan, K Shanmugam, K Palanikumar , " <u>Analysis of delamination in drilling glass fiber reinforced polyester composites</u> ", Materials & Design 45, 80-87.	2013
26.	TV Rajamurugan, K Shanmugam, K Palanikumar , " <u>Mathematical Model for Predicting Thrust Force in Drilling of GFRP Composites by Multifaceted Drill</u> ", Indian Journal of Science and Technology 6 (10), 5316-5324.	2013
27.	T Rajmohan, K Palanikumar, JP Davim , " <u>Analysis of surface integrity in drilling metal matrix and hybrid metal matrix composites</u> ", Journal of Materials Science & Technology 28 (8), 761-768.	2012
28.	D Kanagarajan, K Palanikumar, R Karthikeyan , " <u>Effect of Electrical Discharge Machining on strength and reliability of WC-30% Composite</u> Materials & Design 39, 469-474.	2012
29.	VS Prasad, SA Hussain, V Pandurangadu, K PalaniKumar , " <u>Modeling and Analysis of Spur Gear for Sugarcane Juice Machine under Static Load Condition by Using FEA</u> ", Int. J. Mod. Eng. Res 2, 2862-2866.	2012
30.	T Rajmohan, K Palanikumar, M Kathirvel , " <u>Optimization of machining parameters in drilling hybrid aluminium metal matrix composites</u> ", Transactions of Nonferrous Metals Society of China 22 (6), 1286-1297.	2012

31.	A Krishnamoorthy, SR Boopathy, K Palanikumar, JP Davim , " <u>Application of grey fuzzy logic for the optimization of drilling parameters for CFRP composites with multiple performance characteristics</u> ", Measurement 45 (5), 1286-1296.	2012
32.	S Ramesh, L Karunamoorthy, K Palanikumar , " <u>Measurement and analysis of surface roughness in turning of aerospace titanium alloy (gr5)</u> ", Measurement 45 (5), 1266-1276.	2012
33.	T Rajmohan, K Palanikumar , " <u>Optimization of machining parameters for multi-performance characteristics in drilling hybrid metal matrix composites</u> ", Journal of Composite Materials 46 (7), 869-878.	2012
34.	PM Diaz, BD Prasad, DSM Abraham, K Palanikumar , " <u>Experimental and Skeletal Kinetic Model Study of Compressed Natural Gas Fueled Homogeneous Charge Compression Ignition Engine</u> " American Journal of Applied Sciences 9 (6), 917.	2012
35.	T Rajmohan, K Palanikumar , " <u>Optimization of machining parameters for surface roughness and burr height in drilling hybrid composites</u> ", Materials and Manufacturing processes 27 (3), 320-328.	2012
36.	K Palanikumar, B Latha, VS Senthilkumar, JP Davim , " <u>Analysis on drilling of glass fiber-reinforced polymer (GFRP) composites using grey relational analysis</u> ", Materials and Manufacturing Processes 27 (3), 297-305.	2012
37.	S Prakash, K Palanikumar, A Krishnamoorthy , " <u>Thrust force evaluation in drilling medium density fibre (MDF) panels using design of experiments</u> ", International Journal of Manufacturing Technology and Management 25 (1), 95-112.	2012
38.	S. Prakash, J. Lilly Mercy, K. Palanikumar, S. Ramesh, M.I. Rizwan Jamal and A. James Michael, " <u>Experimental studies on surface roughness in drilling MDF composite panels using Taguchi and regression analysis method</u> ". Journal of Applied Sciences, 12: 978-984.	2012
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