Sri
SAI RAM INSTITUTE OF TECHNOLOGY
An ISO 9001 : 2008 Certified Institution
Sai Leo Nagar, West Tambaram, Chennai - 44. www.sairamit.edu.in

Name :K.PALANIKUMAR

Designation :**PROFESSOR & PRINCIPAL**

Email :palanikumar@sairamit.edu.in,
principal@sairamit.edu.in

Qualification : Ph.D., F.I.E R

Specialization :Mechanical / Manufacturing Engineering

Research Interest : Composite materials: Processing, applications, natural fibers, Total quality management, optimization.

QUALIFICATION

- A.M.I.E Mechanical Engineering, institution of Engineers (India).
- M.E. Production Engineering – Annamalai University – University First Rank
- Ph.D. Mechanical Engineering – College of Engineering Guindy, Anna University, Chennai.
- Post Ph.D work on machining of Composites with Prof. J. Paulo Davim, University of Aveiro, Portugal without visiting Portugal.
- Post Diploma in Tool Design from Central Polytechnic, Chennai.

DETAILS OF TEACHING AND RESEARCH EXPERIENCE

- Professor and Principal, Sri Sai Ram Institute of Technology, Chennai - 9 years and 4 months
- Professor and Principal, S.R.R. Engineering College - 4 years
- Lecturer, Asst. Professor and Professor, Sathyabama Engineering College, Sathyabama University, 10 years
- Lab Instructor, Sathyabama Engineering College - 4 years

PROFESSIONAL MEMBERSHIP

Member, American Society for Mechanical Engineers (ASME), USA.	000007072846	Since 6 years
Charted Engineer (India), The Institution of Engineers, India	F-116936-6	March 2012
Fellow Member, The Institution of Engineers, India	F-116936-6	March 2012
Life Member, Indian Welding society.	L00737	March 2008
Life Member, Tribology society of India.	LM3707	April 2007
Life Member, Indian Society for Non-Destructive Testing and Evaluation.	LM6684 CH	Feb 2004
Fellow Member, Indian Institution of Production Engineers (IIPE)	SF2108	Feb 2004
Life Member, Indian society for Technical Education	LM 23708	Mar 1997

RESEARCH FUNDED PROJECTS AND GRANDS

S. No.	Name of the Project	Funding agency	Fund Received	Duration
10.	AICTE-ISTE Refresher programme on Teaching Learning Process	ISTE	3.00 Lakhs	May'2018.
9.	FDP on Biodegrable composites: Processing and applications	AICTE, New Delhi	7.00 Lakhs	Oct-Nov'2017.
8.	DST-NIMAT Project-Entrepreneurship awareness camp	DST-EDI, Gujarath	0.40 Lakhs	Mar,2017-Mar,2018
7.	DST-NIMAT Project-Entrepreneurship awareness camp, Technical Education Development Programme and	DST-EDI, Gujarath, India.	7.5 lakhs	April 2016 – Mar 2017.

	Faculty Development Programme.			
6.	DST-NIMAT Project- Entrepreneurship awareness camp	DST-EDI, Gujarath, India	0.60 Lakhs	Mar,2014-Mar,2015
5.	Innovation and Enterprenuer Development Centre.Grant number: 11/03/2015 NEB©, 11/03/2015 NEB(G) Dated 28 May 2015.	DST, Govt. of India.	47.00 Lakhs	2015-05 to 2020-07
4.	FDP on Processing and Characterization of composite materials including natural fiber reinforced composites	AICTE, New Delhi	6.0 Lakhs	March 2015
3.	Staff Development Programme on Artificial Intelligence with AI	AICTE	7.0 Lakhs	15/09/2011 – 27/09/201
2.	Development of Computer Integrated manufacturing System	AICTE	10.00 Lakhs	March 1998 -01-09-2011
1.	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

PATENTS

Sl.No.	Title of the Invention	Date and Year of Submission	Patent Number	Status
1	Exo Skeleton Arm Using Block and Tackle Mechanism	30.11.2017	201741042997	Published
2	An automatic system and method for the detecting	07.08.2017	201741028002	Published

	and arresting of the LPG spillage from the gas stoves			
3.	A system and a method for toggling the operating state of electrical appliances through user gesture	03.08.2017	201741027560	Published
4.	A fibre reinforced hybrid polymer composite protective mechanism for the head	08.05.2017	201741016072	Published
5.	Phoneme Encryptor	11.04.2017	201741012896	Published
6	Egensor	30.03.2017	201741011384	Published
7.	A Cattail Fiber Activated Charcoal Cartridge for the Filtration and Removal of the PAH from the AQUE	07.04.2017	201741010893	Published
8.	A Durable Multi-Layered Protective cover enclosing the Head and Neck of the firefighters	30.12.2016	201641044018	Published
9	A Multi-Layered Natural Fiber Reinforced Composite Sheet Laminate	11.11.2016	201641036636	Published
10	Woven Aloevera/Sisal/Kenaf Fibre Epoxy composites for Corrugated Roof sheet	17.06.2016	201641012809	Published

AWARDS AND HONOURS

S.No	Title	Year
17.	Best principal Award from The Society for Educational and Entrepreneurship Development (SEED)	Sep' 2017
16.	Publons peer review Awards 2017, as one of the top 1% of peer reviewers in Engineering.	Sep'2017
15.	Certified Sentinel of Science Award Recipient – As one of the Top 10 percent of Researchers Contributing to the peer review of the field of Engineering	Aug'2016
14.	Outstanding Reviewer Award from Elsevier Journal Measurement In cooperation with International Measurement Confederation	Aug 2016
13.	Maharashtra State National Award for Best Research work in Engineering and Technology for the Year 2013 by Indian Society for Technical Education	Dec 2013
12.	Special paper presentation by National Board of Accreditation, New Delhi.	Mar' 2014.
11	Best Academic Researcher Award by ASDF Global Awards, Techno Forum Group, Pondicherry, India.	Dec'
10.	Best Researcher Award, Association of Scientist, Developer and Faculties	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	Sep 1999

2.	University First Rank in M.E (Production Engineering)	Dec 1996
1.	Certificate of Excellence in Annamalai University Golden Jubilee Exhibition- 1995.	April 1996

RESEARCH SCHOLARS SUCCESSFULLY GUIDED (Ph.D)

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 ©) 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 201
4.	Dr.T. Rajmohan	Drilling Characteristics of hybrid metal matrix composites.. Sri Chandrasekarendra Saraswathi Viswa Mahavidyalaya, Kancheepuram, India.	May 2013.
5.	Dr.T.Sasimuruga n	Some studies on machining characteristics of Hybrid (AA6061+SiC+ Al_2O_3) aluminium metal matrix composites, Sathyabama University, IT Highway, Chennai -119	May 2013
6.	Dr.AltafHussain (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_2O_3hybrid 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,	April 2014

		Chennai -119.	
9.	Dr. M. Ramesh	Jawaharlal Nehru Technological University, Anantapur.	Dec' 2014
10.	Dr. S.T. Selvamani	Some studies on Friction welding of carbon Steels	Dec' 2015
11.	Dr. Sadrach Jeyasekaran	Studies on Mechanical and Tribological characteristics of Natural fiber reinforced composites.	April' 2017
12.	Dr. T. Srinivasan	Studies on drilling of thermoplastic composites	June' 2017
13.	Dr. Ashok Gandhi (Co-supervisor)	Tribological behavior of CNT reinforced thermoplastic composites	Aug, 2017
14.	Dr. MAJ. Bosco	Mechanical and machining characteristics of glass fiber Armour steel reinforced polymer composites.	Aug'2017.

MAJOR EVENTS ORGANISED

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, Tamilnadu	State Level
4.	Two weeks Faculty Development Programme on 'Soft computing with	Sri Sai Ram Institute of Technology,	National level sponsored by AICTE, 2011.

	Artificial Intelligencel'	Chennai, Tamilnadu	
5.	National conference on Information and Communication Engineering.	Sri Sai Ram Institute of Technology, Chennai, Tamilnadu	National Conference
6.	National workshop on How to write Journal Papers	Sri Sai Ram Institute of Technology, Chennai, Tamilnadu	National Level, 2014.
7.	National workshop on Green composites	Sri Sai Ram Institute of Technology, Chennai, Tamilnadu	National Level, 2014
8.	International Conference on Advances in Materials and Manufacturing Engineering	Sri Sai Ram Institute of Technology, Chennai, Tamilnadu	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, Tamilnadu	National level sponsored by AICTE, 2015.
10.	Co Chairman of Tamilnadu Inter Engineering Sports (TIES2015)	Sri Sai Ram Institute of Technology, Chennai, Tamilnadu	National level February 2015
11.	International Conference on Advances in Materials and Manufacturing Engineering	Sri Sai Ram Institute of Technology, Chennai, Tamilnadu	International January 2017
12.	Dr.APJ Abdul Kalam	Sri Sai Ram	International Level April

	Innovation EcoSystem Awards	Institute of Technology, Chennai, Tamilnadu	2017
13.	AICTE sponsored Two weeks faculty Development Programme on Bio-degradable, Green and nano composites for industrial applications: Manufacturing methodologies and properties.	Sri Sai Ram Institute of Technology, Chennai, Tamilnadu	National level sponsored by AICTE, 2017.

PARTICIPATION IN EDUCATIONAL ACTIVITIES

S. No.	Name of the Event	Organized by
30	Participated in 6th National Summit on Education, Employability, Employment, Entrepreneurship(4E's) & SEED Education Awards 2017	20-21 September 2017 at IC & SR Auditorium, IIT-Madras, Chennai
29	Served as a Co-Ordinator for Faculty Development Training Programme on ME6401 Kinematics of Machinery	15th to 22nd December 2016, Centre for Faculty Development, Anna University, Chennai-25.
28	Acted as Session Chair in the International Conference on Materials, Design and Manufacturing Process (ICMDM 2016)	Department of Mechanical Engineering, Anna University, Chennai-25. February,17-19, 2016
27	Presented a paper on Impact on Frontal and Rear Fiber Reinforced Composite CAR Bumper:A Review.	NAFEMS International Conference on Engineering Modelling, Analysis, Simulation & 3D Printing held at **NIMHANS convention centre, Bangalore, India**, 30-31 August 2016
26	Participated in 4th National Summit on Sustainable Institute Industry Partnership	21st & 22nd July 2016 conducted by **SEED & SIIP Awards 2016**
25	Industry Expectations from	**3rd world summit on Accreditation**

	Academia: Curriculum Development and Implementation in Engineering and Technology Institutions	organized by National Board of Accreditation, New Delhi 18-20, March 2016.
24	Dedicated Contribution towards AICTE-BSNL-Employability Enhancement Training Program	During July 2013 to Dec 2015 conducted at Rajiv Gandhi Memorial Telecom Training Center, Meenambakkam, Chennai-600016
23	Entrepreneurship Awareness Camp(EAC) Sponsored by NSTEDB, DST	Organized by IEDC, Sri Sairam Engineering College during 22nd to 24th December 2014
22	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.
21	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.
20	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.
19	Faculty Development Programme on Entrepreneurship	Conducted by St. Peter's Engineering College, sponsored by NSTEDB,DST, from 8th Dec 2014 to 20th Dec 2014.
18	Participated in APAC Research Intelligence Conference at Nanyang Technological University, Singapore	Organized by Elsevier, 10 & 11 June, 2014.
17	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.

16	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.
15	Participated in ISTE National Convention	Indian Society for Technical Education, New Delhi. Annual Convention at Maharastra, 19-21 Dec' 2013.
14	Participated in the Faculty Development Programme on Advancements in Materials, Manufacturing Process and Management Systems	November 4th to 16th 2013 at Sri Sairam Engineering College, Chennai-44
13	Participated in Innovative Business Plan Competition	Conducted by Sri Sai Ram Institute of Management Studies , 6th September, 2013
12	Participated in National Workshop on Surface Engineering(SURE'12)	23rd & 24th March 2012 organized by Department of Mechanical Engineering, Annamalai University
11	Participated in Staff Development Programme on Recent Developments in Manufacturing and Management	July 25th to July 30th , 2011 organized by Sri Sairam Engineering College, Chennai-25
10	A national Level Entrepreneurial Awareness and Development Programme	Conducted by Sri Sai Ram Institute of Management Studies & ED Cell on 2nd,3rd & 4th February, 2011
9	Attended Two days Workshop on Finete Element Analysis of Welding Processes	Organized by Department of Production Engineering, NIT, Tiruchirapalli, January 24-25, 2008
8	Participated in 2 daqys Reseach Scholar Meet on Soft Computing Techniques	4th & 5th April, 2008 at Jaya Engineering College, Chennai
7	Participated in International Seminar on Information and Communication Technology in Education	26th, December, 2007 at the National Institute of Technical Teachers Training and Research, Chennai
6	Participated in the workshop on Reliability and Warranty	Chennai Chapter of Operational Research Society of India 20th Dec'2004 at Anna University , Chennai

5	Participated in National Seminar on Global Trends in Manufacturing Technology	Department of Manufacturing Engineering, Anna University, Chennai on 25th July, 2003
4	Attended the AICTE-ISTE Sponsored STTP on Recent Trends in Press Tool Design and Die Casting Techniques	Amirita Institute of Technology and Science , Coimbatore from 31st March to 5th April, 2003
3	Participated in one day workshop on Quality Engineering & Management	held on 31st January,2003 at Rajalakshmi Engineering College, Chennai
2	Training completed under the Intel Teach to the Future Program	30th November to 15th October 2002 by Intel Innovation in Education
1	Participated in the National Workshop on Concurrent Engineering Practices in Automotive Design	Held at RMK Engineering College on 28th February ,1999

JOURNAL EDITORIAL

S.No.	Position	Name	From	To
5.	Editor-in-Chief, Associate Editor	Journal of Advances in Mechanical Engineering and Science (JAMES)	2015	Till date
4..	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
2.	International Editorial Review Board	The International Journal of Manufacturing, Materials, and Mechanical Engineering (IJMMME), IGI-GLOBAL Publishers, USA.	2012	Till date
1.	Associated Editor	The International Journal of Materials Forming and Machining Processes (IJMFMP), IGI-GLOBAL, USA.	2013	Till date

JOURNAL REVIEWER RECORDS (Source: Publon Reviews)

Publons Verified Record

PREPARED BY PUBLONS ON DECEMBER 31ST 2017

publons

Palanikumar K

https://publons.com/a/496510

Awards on Publons

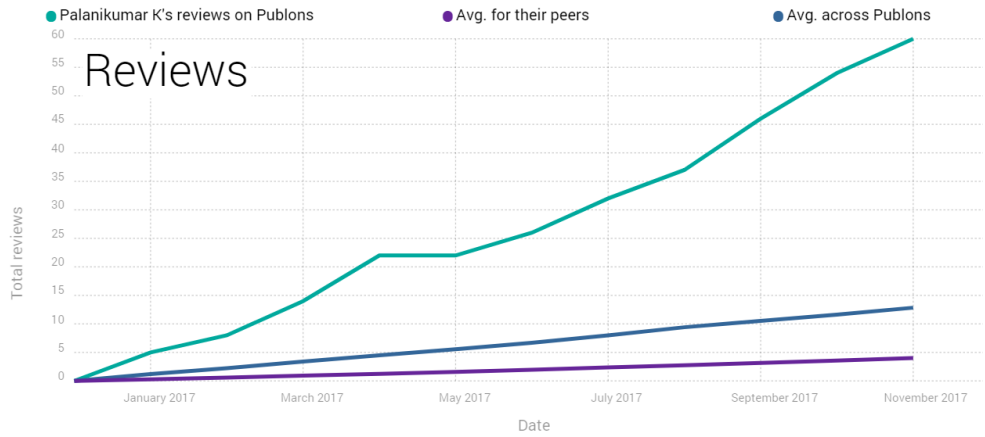
September 2017: Top reviewers in Engineering
September 2016: Sentinels of Science: Engineering

Peer Review Summary

Performed 141 reviews for journals including *The International Journal of Advanced Manufacturing Technology* and *Applied Soft Computing*; placing in the 99th percentile for verified review contributions on Publons up until December 2017.

11	The International Journal of Advanced Manufacturing Technology
10	Applied Soft Computing
9	Advances in Materials Science and Engineering
9	Measurement
8	Textile Research Journal
7	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture
6	Advances in Polymer Technology
5	Mathematical Problems in Engineering
5	Journal of Advanced Manufacturing Systems
4	Composites Part B: Engineering
4	Journal of Industrial Textiles
4	Silicon
4	Neural Computing and Applications
3	Advances in Mechanical Engineering
3	Engineering Science and Technology, an International Journal
3	Human Factors and Ergonomics in Manufacturing & Service Industries
2	Composite Structures
2	Journal of Manufacturing Processes
2	Chemometrics and Intelligent Laboratory Systems
2	Journal of Composite Materials
2	Journal of Polymers and the Environment
2	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science
2	International Journal of Antennas and Propagation
2	Materials Research
2	International Polymer Processing
2	Journal of King Saud University - Science
2	Journal of Applied Research and Technology
2	Advances in Civil Engineering
2	Journal of Environmental Chemical Engineering
2	Journal of The Institution of Engineers (India): Series C
1	Carbohydrate Polymers
1	Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing
1	International Journal of Information Technology and Decision Making
1	Precision Engineering
1	Applied Surface Science

1 Journal of Industrial and Engineering Chemistry
1 Machining Science and Technology
1 Measurement: Journal of the International Measurement Confederation
1 Journal of Mechanical Science and Technology
1 International Journal of Manufacturing Technology and Management
1 Archives of Civil and Mechanical Engineering
1 Particulate Science and Technology
1 Journal of Applied Mathematics
1 AEJ - Alexandria Engineering Journal
1 Journal of Taibah University for Science
1 Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanomaterials, Nanoengineering and Nanosystems
1 International Journal of Information Technology & Decision Making
1 Composites Communications



Books Written

Basic Workshop Practice, ARS Publications, Tamilnadu, India**, 2006.**

Basic Mechanical Engineering, ARS Publications, Tamilnadu, India. **2004,** .Included as reference book in **Anna University, Chennai Syllabus followed for all Engineering non-autonomous colleges in Tamilnadu.**

Book Chapters Published

15 NRR Anbusagar, K. PalaniKumar, A Ponshanmugakumar, Preparation and properties of nanopolymer advanced composites: A review, Polymer-based Nanocomposites for Energy and Environmental Applications, 27-73.

14. **K. Palanikumar** Glass Fiber Reinforced Composite materials: Book Chapter in " Composites in Helicopter industry" to be Published by Wood head Publications, UK –In Press.

13. N. R. R. Anbu Sagar, **K. Palanikumar**: *Development and Characterization of Nano Clay Reinforced Three-Phase Sandwich Composite Laminates*. Nanoclay Reinforced Polymer Composites, 01/2016: pages 357-391; , ISBN: 978-981-10-

1952-4, DOI:10.1007/978-981-10-1953-1_16

12. **K. Palanikumar**, T. Srinivasan, K. Rajagopal, J.P. Davim, *Machinability of Fibre-Reinforced Plastics*. Machinability of Fibre-Reinforced Plastics, 2015 edited by J. Paulo Davim, 06/2015: chapter Drilling of high impact Polystrene Materials: pages 163-176; Walter de Gruyter GmbH & Co KG.

11. **Kayaroganam Palanikumar**: *Application of response surface method and desirability function for the optimization of machining parameters of hybrid metal matrix (Al/SiC/Al2O3) composites*. Metal Matrix Composites, 2014 edited by Davim, J. Paulo, 06/2014: chapter 8: pages 179-200; Walter de Gruyter GmbH & Co KG., ISBN: 9783110315448, DOI:10.1515/9783110315448.179

10. **K.Palanikumar**, B.Latha, V.S.Senthilkumar J.PauloDavim Application of artificial neural network for the prediction of surface roughness in drilling GFRP composites, Materials Science Forum, Trans Tech publications, Switzerland DOI: 10.4028/www.scientific.net/MSF.766.21.

9. **K. Palanikumar**, J. Paulo Davim: *Electrical discharge machining: Study on machining characteristics of WC/Co composites*. Machining and Machine-Tools, 2013 edited by J. Paulo Davim, 05/2013: chapter Electrical discharge machining: study on machining characteristics of WC/Co composites: pages 135-168; Wood Head., DOI:10.1533/9780857092199.135

8. **K.Palanikumar**, B.Latha, J.PauloDavim, Application of Taguchi method with Grey fuzzy logic for the optimization of machining parameters in machining composites, Computational Methods for Optimizing Manufacturing Technology: 2012, Models and Techniques. IGI-GLOBAl Publishers, USA. DOI: 10.4018/978-1-4666-0128-4.ch009.

7. **Kayaroganam Palanikumar**: *Analyzing surface quality in machined composites*. Machining Technology for Composite Materials, Edited by H. Hocheng, 05/2012: chapter Analyzing surface quality in machined composites: pages 154-182; Wood Head., DOI:10.1533/9780857095145.1.154

6. T. Rajmohan, **K. Palanikumar**, G. Harish: *Surface Roughness Evaluation in Drilling Hybrid Metal Matrix Composites*. Emerging Trends in Science, Engineering and Technology, 01/2012: pages 325-332; , DOI:10.1007/978-81-322-1007-8_29

5. **K. Palanikumar**, S. Prakash, J. Paulo Davim: *Investigation of optimum parameters for multiple performance characteristics in drilling wood composites (MDF) using Grey-Taguchi method*. Wood and Wood Products,, 1 edited by Davim, J.P, 01/2012: chapter Chapter 4: pages 87-108; NOVA., ISBN: 978-1-62081-973-9

4. **K. Palanikumar**, T.Rajmohan, J. Paulo Davim "Optimization of machining parameters for multiple performances in drilling hybrid composites using

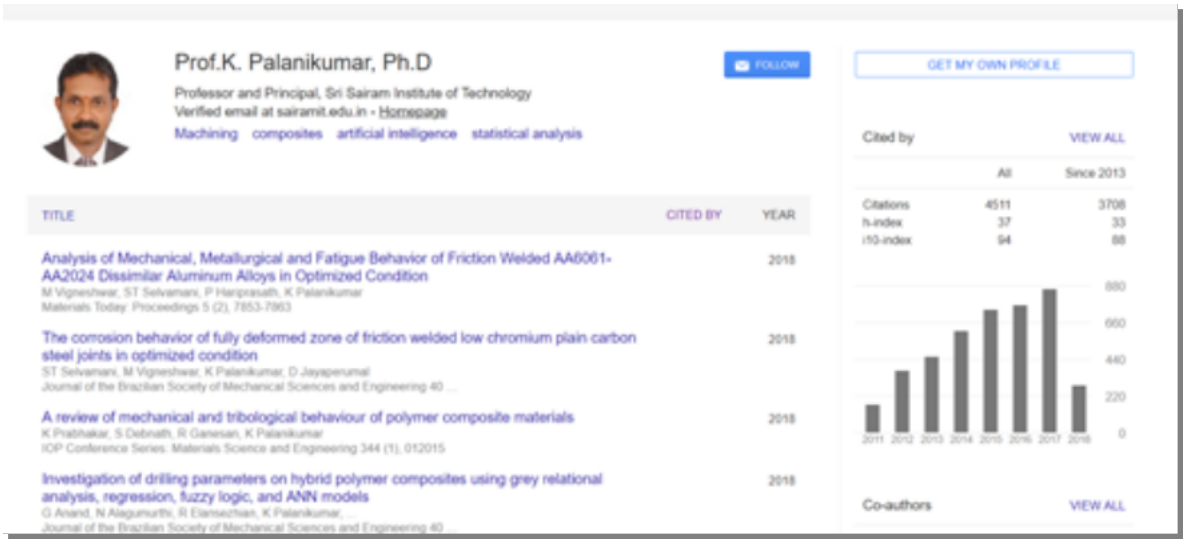
desirability-based approach", Chapter 8 (in press), in Davim, J.P (Ed.), Metal Matrix Composites, *NOVA Publishers*, New York, 2011, ISBN: 978-1-61209-771-8.

3. **K. Palanikumar**, T.Rajasekaran, J. Paulo Davim, "Modelling and analysis on wear behaviour of metal matrix composites", Chapter 7, (157-174) in Davim, J.P. (Ed.), Tribology of Composite Materials, *NOVA Publishers*, New York, 2010 ISBN: 978-1-61668-319-1

2. **K. Palanikumar**, J. Paulo Davim, "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.), Artificial Intelligence in Manufacturing: Research, *NOVA Publishers*, New York, 2010 ISBN: 978-1-60876-214-9

1. **Kayaroganam Palanikumar**, S. Prakash, C.V.Jayakumar, J. Paulo Davim: *"Analysis of delamination in drilling wood composite medium density fibre boards*. Drilling of Composite Materials, 2009 edited by J. Paulo Davim, 09/2009: chapter 7: pages 121-136; Nova., ISBN: 978-1-60741-163-5.

List of Publications:-



2018

M Vigneshwar, ST Selvamani, P Hariprasath, K. PalaniKumar, Analysis of Mechanical, Metallurgical and Fatigue Behavior of Friction Welded AA6061-AA2024 Dissimilar Aluminum Alloys in Optimized Condition, Materials Today: Proceedings 5 (2), 7853-7863.

ST Selvamani, M Vigneshwar, K. PalaniKumar, D Jayaperumal, The corrosion behavior of fully deformed zone of friction welded low chromium plain carbon steel joints in optimized condition

Journal of the Brazilian Society of Mechanical Sciences and Engineering.

K Prabhakar, S Debnath, R Ganesan, K. PalaniKumar, A review of mechanical and tribological behaviour of polymer composite materials, IOP Conference Series: Materials Science and Engineering 344 (1), 012015

G Anand, N Alagumurthi, R Elansezhian, K. PalaniKumar, .Investigation of drilling parameters on hybrid polymer composites using grey relational analysis, regression, fuzzy logic, and ANN models, Journal of the Brazilian Society of Mechanical Sciences and Engineering.

G Anand, N Alagumurthi, K. PalaniKumar, N Venkateshwaran, Influence of drilling process parameters on hybrid vinyl ester composite, Materials and Manufacturing Processes, 1-7.

NRR Anbusagar, K. PalaniKumar, A Ponshanmugakumar, Preparation and properties of nanopolymer advanced composites: A review, Polymer-based Nanocomposites for Energy and Environmental Applications, 27-73

2017

M. Ramesh, K. PalaniKumar, K. Hemachandra Reddy: *Plant fibre based bio-composites: Sustainable and renewable green materials*. Renewable and Sustainable Energy Reviews 11/2017; 79:558-584., DOI:10.1016/j.rser.2017.05.094

K R Bharat, S Abhishek, K Palanikumar: *Mechanical Property Analysis on Sandwich Structured Hybrid Composite Made from Natural Fibre, Glass Fibre and Ceramic Fibre Wool Reinforced with Epoxy Resin*. 06/2017; 205(1):012015., DOI:10.1088/1757-899X/205/1/012015

G. Ramya Devi, K. PalaniKumar: *Evaluation of Thrust force in Drilling Woven roving Glass fibre reinforced Aluminium Sandwich laminates with TiAlN coated drill using Taguchi analysis*. 05/2017; 197(1):012055., DOI:10.1088/1757-899X/197/1/012055, IOP Materials science & Engineering 197 (1), 012-055.

N R R. Anbusagar, K. PalaniKumar: *Nanoclay Addition and Core Materials Effect on Impact and Damage Tolerance Capability of Glass Fiber Skin Sandwich Laminates*. Silicon 04/2017;, DOI:10.1007/s12633-016-9529-2, 9(48)

ST Selvamani, S Premkumar, M Vigneshwar, P Hariprasath, K Palanikumar, Influence of carbon nano tubes on mechanical, metallurgical and tribological behavior of magnesium nanocomposites, Journal of Magnesium and Alloys, doi.org/10.1016/j.jma.2017.08.006

M. Mudhukrishnan, P. Hariharan, K. PalaniKumar, B. Latha: *Tool Materials Influence on Surface Roughness and Oversize in Machining Glass Fiber Reinforced Polypropylene (GFR-PP) Composites*. Materials and Manufacturing Processes 08/2016;, DOI:10.1080/10426914.2016.1221098, 32(9), 988-977

T Srinivasan, K Palanikumar, K Rajagopal, B Latha: *Optimization of Delamination*

Factor in Drilling GFR-Polypropylene Composites. Materials and Manufacturing Processes 02/2016; 32(2)., DOI:10.1080/10426914.2016.1151038, 32(2), 226-233

T. Rajmohan, S. D. Sathishkumar, K. PalaniKumar: *Effect of Nano Particle Filled Lubricant in Turning of AISI 316 L Stainless Steel (SS)*. Particulate Science And Technology 02/2016;, DOI:10.1080/02726351.2016.1146812, 35(2) ,201-208.

2016

N. R. R. Anbusagar, K. PalaniKumar: *Dynamic Analysis of OMMT Nanoparticle Reinforced Polyester Resin GFR-PS Foam Sandwich Laminates*. Indian Journal of Science and Technology 02/2017; 9(48)., DOI:10.17485/ijst/2016/v9i48/101985.

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