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Personal Details

Name	**: Dr. R. RAMAKRISHNAN**
Date of Birth & Age	: 07 – 06 –1968 & 53 Years
Father's Name	: Sri. N. Raju
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EDUCATIONAL QUALIFICATIONS

Sl. No.	Name of the Board/ University/ Institution	Examination / Degree/ Diploma Passed	Distinction/ Class/ Division	Specialization
3	The Institution of Engineers(India), Calcutta.	AMIE	-	Mechanical Engineering
4	Bharathiar University/ Kumaraguru College of Tech., Coimbatore	ME	First	Mechanical Engineering
5	Anna University, College of Engineering, Guindy, Chennai	PhD	Commended	Mechanical Engineering

EXPERIENCE

Sl. No.	Organization / Institution	Position Held	Date of Joining	Date of Leaving	Years/Months of service
1	Tamilnadu Physical Education and Sports University, Chennai	Controller of Examinations **i/c**	14/10/11	03-8-15	3 Yrs. 9 Months
	Tamilnadu Physical Education and Sports University, Chennai	Controller of Examinations **i/c**	05/06/20	18/05/21	11 Months
2	Tamilnadu Physical Education and	Professor & Head –Sports Technology	04/5/2009 03-08-19	11-11-16, Till date	8 Yrs. & 10 Months

	Sports University Chennai -600048				
	Tamilnadu Physical Education and Sports University Chennai -600048	Professor, Sports Technology	04/5/2009	Till date	11 Yrs. & 5 Months
3	Panimalar Engineering College, Chennai	Principal	2/1/2008	2/5/2009	1.4 Yrs.
4	Panimalar Engineering College, Chennai	Professor & Head (Mechanical Engineering)	13/10/05	1/1/2008	2.3 Yrs.
5	EVP Engineering College, Chennai	Professor & Head (Mechanical Engineering)	1/6/2004	10/10/05	1.3 Yrs.
6	EVP Engineering College, Chennai	Assistant Professor-Mechanical Engineering	20/4/99	31/5/04	5 Yrs.
7	Sankara Institute of Technology, Coimbatore	Lecturer-Mechanical	5/1/1994	17/1/98	4 Yrs.

Membership held in Professional Societies

1. Fellow of Institution of Engineers (India), Kolkatta.
2. Chartered Engineer (India)
3. Member of Indian Institute of Production Engineers

Publications

- **No. of Citations : 811**
- ***h*-index: 8**
- **i10 index : 8**

Peer Reviewed International Journal Publications

1. Vikas Malik , **R. Ramakrishnan**, (2021), Efficacy of Push-Ups on a Fitness Structure Compared to that on the Ground on Upper Body Muscular Activation in Healthy Indian Males – A Comparative Study, International Journal of Current Research and Review, ISSN: 2231-2196 (Print) ISSN: 0975-5241 (Online), Vol.13, issue 11, pp.137-141(**UGC Listed Jr.,**)

2. G. Senthilkumar, **R. Ramakrishnan** (2021) A study of individual and interaction effect of process parameters on friction welded AISI 410 and AISI 430 joint , Materials Today: Proceedings, available online, ISSN No. 00002014 (**UGC Listed Jr.,**)

3. Vikas Malik , **R. Ramakrishnan**, (2020), Design and Analysis of Biceps and Triceps Muscle Strengthening Structure, International Journal of Advanced Science and Technology, Vol. 29, No. 7, pp. 10141-10159, ISSN: 2005-4238 , http://sersc.org/journals/index.php/IJAST/article/view/27190/14900 (**UGC Listed Jr.,**)

4. G Senthil Kumar , **R.Ramakrishnan** (2020) Investigation on aisi 430 ferritic stainless steel weldment by Tig, Mig welding and continuous drive friction welding IOP Conf. Ser.: Mater. Sci. Eng. Vol. 912, pp.1-11, (**UGC Listed Jr.,**)

5. G. Elumalai, **R. Ramakrishnan**, (2020), Development of Novel and Efficient Approach for Analyzing and Monitoring the Movement parameters for Javelin Athletes based on Internet of Things , Journal of Ambient Intelligence & Humanized Computing, published online 2^{1th} March 2020 **(UGC Listed Jr., C**iteScore 2.7)

6. G. Elumalai, **R. Ramakrishnan**, (2019), A Novel Approach to Monitor and Maintain Database About Physiological Parameters of (Javelin) Athletes Using Internet of Things (IoT), Wireless Personal Communications, published online 29th October 2019 **(UGC Listed Jr., C**itescore 1.28)

7. G. Elumalai, **R. Ramakrishnan**, (2019), **Injury Prevention for Javelin Athletes using Sensors and IOT -** International Journal of Innovative Technology and Exploring Engineering, **ISSN: 2278-3075, Volume-8 Issue-12. (UGC Listed Jr.)**

8. K. R. Padmavathi, **R. Ramakrishnan,** (2019), " Wear Studies on the Heat Treated AL6061-μSIC and AL6061-nSIC metal matrix composites", International Journal of Mechanical Engineering and Technology (IJMET) ,Volume 10, Issue 06, June 2019, pp. 241-247.

9. K.R.Padmavathi, **R. Ramakrishnan,** (2019), **Tribological Properties of Titania Reinforced Metal Matrix Composites,** *Journal of the Balkan Tribological Association, Vol. 25, No 4, PP.976–984* **(UGC Listed Jr.,)**

10. K. R. Padmavathi, **R. Ramakrishnan,** (2017) "Tribological properties of micro and nano TiO_2 reinforced Aluminium metal matrix compposites", International Journal of Engineering and Technology, ISSN : 0975-4024, Vol. 9, No. 4, pp. 3368– 3373 **(Indexed in Scopus)**

11. K. R. Padmavathi, **R. Ramakrishnan,** (2017), "Tribological properties of micro and nanoSiC reinforced Aluminium Metal Matrix Compposites", International Journal of Chemtech Research, ISSN: 2455-9555,Vol. 10, No. 6, pp. 367 – 372 **(Indexed in Scopus)**

12. K.R.Padmavathi, **R. Ramakrishnan,** (2015), "Aluminium 6061 Metal Matrix Composite with Dual Reinforcement", International Journal For Technological Research In Engineering (IJTRE) Volume 2, Issue 7, ISSN: 2347-4718, pp. 1065 – 1069.

13. 11 K..R. Padmavathi, **R. Ramakrishnan**, K. Palanikumar, (2015), "Aluminium Metal Matrix Composite – An Insight into Solid State and Liquid State Processes", Applied Mechanics and Materials, Vols. 766-767, pp. 234-239.

14. K.R.Padmavathi, **R. Ramakrishnan,** (2014), "Tribological behaviour of Aluminium Hybrid Metal Matrix Composite " , Procedia Engineering 97 , pp. 660 – 667.

15. K.R.Padmavathi, **R. Ramakrishnan,** (2014), " Aluminium 6061 Metal Matrix Composite with Dual Reinforcement", International Journal of Mechanical Engineering and Technology (IJMET), ISSN 0976 – 6340(Print), ISSN 0976 – 6359(Online), Volume 5, Issue 5, May (2014), pp. 151-156 .**(Indexed in Scopus)**

16. Veluswamy Muthuraman, **Raju Ramakrishnan,** Ponnusamy Sengottuvel, C. Karthikeyan", (2014), Experimental Study and Optimization of Wire-Electrical

Discharge Machined WC-15%Co Metal Matrix Composites, Advanced Materials Research, Vol. 984 - 985, pp.227-232.

17. Veluswamy Muthuraman, **Raju Ramakrishnan,** G. Siddarth, V. Nikilesh, V. Rangaraja, (2014),"Experimental Studies on Optimization of WEDMed Tungsten-Carbide Metal Matrix Composite , Advanced Materials Research, Vol. 984 – 985, pp. 377-383.

18. S Uma Maheswari**, R.Ramakrishnan**, (2014) 'Sports Video Classification Based on the Distribution of Edge Strengths of Non Subsampled Shearlet Transform' International Journal of Applied Engineering Research, **ISSN 0973-4562**, Volume 9, Number 23, pp. 21835-21850. (**UGC listed journal No.64529)**

19. P.K.Chidambaram, **R.Ramakrishnan**, (2014) 'Manufacturing, Testing of Polymer Nanocomposite and analysis of Tennis Racket Frame'**,** International Journal of Engineering and Technology Innovation, Volume 4, No.1, pp. 59-67.

20. P.K.Chidambaram, **R.Ramakrishnan**, (2014) 'Impact String Tension and vibration Analysis of Nanacomposite Based Tennis Racket Frame '**,** Scholars Journal of Engineering and Technology, Volume 2, No.2B, pp. 206-211.

21. P.K.Chidambaram, **R.Ramakrishnan**, (2013) 'Synthesis, Testing of Nylon 6,6/Multi-wall carbon nanotube and Modeling , analysis of Tennis Racket '**,** International Journal of Engineering Science and Technology, ISSN 0975-5462 Volume 5, No.6, pp. 1308-1312.

22. P.K.Chidambaram, **R.Ramakrishnan**, (2013) 'Synthesis, Testing of Nylon 6,6/Multi-wall Carbon Nanotube and Modeling , analysis of Tennis Racket Frame and String '**,** International Journal of Sports Science and Engineering, ISSN 1750-9823, Volume 7, No.2, pp. 117-122.

23. Veluswamy Muthuraman, **Raju Ramakrishnan,** K. Sundaravadivu, B. Arun, (2013), Predicting Surface Roughness of WEDMed Wc-Co Composite Using Box-Behnken Response Surface Method, "", Advanced Materials Research ,Vol. 651, pp. 361-366.

24. R. Manikandan**, R. Ramakrishnan,** (2013) 'Video Object Extraction by using background Subtraction Techniques for Sports Applications', International Journal of Digital Image Processing, Vol.5, No.9, pp. 435-440.

25. R. Manikandan**, R. Ramakrishnan,** (2013) 'Fuzzy rule based Contrast Enhancement for Sports Applications', International Journal of Advanced Research in Computer Science and Electronics Engineering, Vol.2, issue 10, pp. 690-694.

26. R. Manikandan**, R. Ramakrishnan,** (2013) 'Human Object Detection and Tracking using Background Subtraction for Sports Applications', International Journal of Advanced Research in Computer and Communication Engineering, Vol.2, issue 10, pp. 4077-4080.

27. V.Muthuraman, **R.Ramakrishnan**, (2012) 'Microstructural Characterization of Wire Electro Discharge Machined Tungsten Carbide Cobalt Metal Matrix Composite, Advanced Materials Research, Vols. 383-390, pp. 3223-3228.

28. P.Kannan, **R.Ramakrishnan** (2012) 'Development of Human Pose Models for Sports Dynamics Analysis using Video Image Processing Techniques', International Journal of Sports Science and Engineering Vol. 06 (2012) No. 04, pp. 232-238.

29. V.Muthuraman**, R.Ramakrishnan**, (2012) **'**Multiparametric optimization of WC-Co Composites using desirability approach, Procedia Engineering , Vol.38, pp. 3381 – 3390. **An Elsevier publication.**

30. P.Kannan, **R.Ramakrishnan** (2012) 'Contrast Enhancement of Sports Images Using Two Comparative Approaches', American Journal of Intelligent Systems, Vol.02, No. 06, pp. 141-147.

31. P.K.Chidambaram, **R.Ramakrishnan**, (2012) 'synthesis, Testing Mechanical Properties and analysis of Nanocomposities for Tennis Racket Frame'**,** International Journal of Mechanical and Manufacturing Technology ISSN 2227-8446 Volume 1, issue 2, pp. 53-57.

32. Veluswamy Muthuraman, **Raju Ramakrishnan**, (2011), Soft Modeling of Wire Electrical Discharge Machining of WC-Co Composite, "Advanced Materials Research, (Volumes 335 - 336), pp.535-540.

33. P**.**Kannan, S.Deepa, **R.Ramakrishnan,** (2010) 'Contrast Enhancement of Sports Images using Modified Sigmoid Mapping Function', 2010 IEEE Transaction, 978-1-4244-7768-5/6, pp.241-246.

34. P**.**Kannan, **R.Ramakrishnan,** (2010) 'Video Analysis Techniques in sports Applications for Image Enhancement and Adaption', International Journal of Computer Network and Security,Vol.1,No.3, ISSN:0975-8283, pp.85-94.

35. R. Manikandan**, R.Ramakrishnan,** (2010) 'Motion Analysis Techniques in Image Enhancement for Sports Applications', International Journal of Computer Network and Security,Vol.1,No.3,ISSN:0975-8283, pp.28-32.

36. R.Ramakrishnan, L.Karunamoorthy, (2009), 'Performance Studies of Wire Electro Discharge Machining (WEDM) of Inconel 718', *International Journal of Materials and Product Technology*, Vol.35, Nos.1/2, pp. 199-215. **An Inderscience publication.(UGC listed journal)**

37. R.Ramakrishnan, L.Karunamoorthy, (2008), 'Modeling and Multi Response Optimization of Inconel 718 on Machining of CNC WEDM Process', *Journal of Materials Processing Technology*, Vol. 207, pp.343-349. **An Elsevier publication. ISSN No. 09240136 (UGC JR.NO.24456)**

38. **R.Ramakrishnan,** L.Karunamoorthy, (2006), 'Multi response optimization of Wire EDM operations using robust design of experiments', *International Journal of Advanced Manufacturing Technology*, Vol.29, pp.105-112. **A Springer-Verlag London publication. ISSN NO. 02683768, EISSN NO . 14333015 (UGC JR.NO.2499)**

Reviewed National Journal Publications

39. K R Padmavathi, **R.Ramakrishnan** & K Palanikumar, (2019), "Wear properties of SiCp and TiO2p reinforced aluminium metal matrix composites", Indian Journal of Engineering & Materials Sciences Vol. 26, pp. 51-58. (***Group A UGC-CARE List Journal as on 14th June 2019)***

40. Padmavathi K.R. and **Ramakrishnan R**, (2016), Tribological and Mechanical Characterization of Aluminum Metal Matrix Composites, Indian Journal of Science and Technology, *Vol 9(S1), DOI: 10.17485/ijst/2016/v9iS1/107616, December 2016, ISSN (Print) : 0974-6846 , ISSN (Online) : 0974-564* ***(Indexed in scopus)***

41. S.Uma Maheswari**, R. Ramakrishnan**, **(2015), '**Sports Video Classification using Multi Scale Framework and Nearest Neighbor Classifier', Indian Journal of Science and Technology, *Vol. 8(6), pp.529–535. (* ***Indexed in scopus)***

42. V. Muthuraman, **R. Ramakrishnan,** (2012), Modeling and Analysis of MRR in WEDMed Wc-Co Composite by Response Surface Methodology, Indian Journal of Science and Technology ,Vol.5, Issue 2, pp. 3736-3740.(***Indexed in scopus)***

43. **R.Ramakrishnan,** L.Karunamoorthy, (2006), 'A study on modeling and multi response optimization of AISI O2 Tool steel on CNC Wire EDM process', *Journal of Manufacturing Technology Today*, Vol. 5, issue 10, pp.9-16.

44. **R.Ramakrishnan,** L.Karunamoorthy, (2004), 'Surface Roughness Model for CNC Wire Electro Discharge Machining', *Journal of Manufacturing Technology Today*, Vol.3, issue- 5, pp.8-11.

Reviewed International Conference Publications

1. Rathinasabapathi.G, Mani.K, **Ramakrishnan.R,** A. Krishnamoorthy, L.Karthikeyan **(2019),** "Computational fluid dynamic analysis on structural and flow parameters of aircraft winglets in boeing 737-800 aircraft", International conference on phoenixes emerging current trends in materials, manufacturing, management practices and construction technologies- PECMACT- March 22nd - 23rd , 2019, Chennai, India.

2. Vikas Malik, **R. Ramakrishnan (2019),** " Design and Analysis of Abdomen and Back Muscle Strengthening Structures", International conference on exercise physiology and nutrition for enhancing health, fitness and sports performance, pp. 223-226, March 5th -7th , 2019, TNPESU, Chennai, India

3. G.Senthilkumar**, R.Ramakrishnan, (2018), "**FACTORS INFLUENCING THE STRENGTH OF FRICTION WELDED JOINT OF SIMILAR AND DISSIMILAR METALS-A REVIEW", proceedings of international conference on emerging trends in engineering research, Vels University, Chennai, 18-19th May-2018, pp-41.

4. **G.Elumalai, R. Ramakrishnan** (2017), "Design and implementation of wireless sensor network for javelin throw athletes", International Conference on Sports Engineering, Birla Institute of Technology and Science Pilani, Pilani Campus, India in association with ISEA-UK, 23-25 October 2017,pp.25 **(Received Best paper award from International Sports Engineering Association, UK)**

5. Padmavathi K.R. and **Ramakrishnan R**, (2017), 'Tribological properties of micro and nano SiC reinforced Aluminium metal matrix composites, 'Proceedings of International Conference on Advances in Metallurgy, Materials and Manufacturing (ICAMMM 2017), March 6-8, 2017, Govt. college of Engineering, Salem, India.

6. K.R. Padmavathi, **R. Ramakrishnan** (2016), "Comparison of Friction and Wear Properties of Aluminium SiC and TiO2 Metal Matrix Composites", International Conference on Materials, Design and Manufacturing Process, CEG, Anna University, Chennai, Feb.2016

7. K. R. Padmavathi, **R. Ramakrishnan,** (2014), "Tribological behavior of Al hybrid metal matrix composites" , Global Congress on Manufacturing and Management (GCMM 2014), 8 – 10 December 2014, VIT, Vellore, Paper Id: MPC 460

8. P.K. Chidambaram, **R.Ramakrishnan,** (2012), 'PCM-Pr-90: Crystallization behavior and mechanical properties of Nylon 66/Multi-Wall Carbon Nanotube Nanocomposities', International conference on Recent Trends in Advanced Materials- ICRAM 2012, School of Advanced Sciences VIT University, Vellore, India, 20-22 February 2012, pp. 237.

9. P.K. Chidambaram, **R.Ramakrishnan,** (2012), 'PCM-Pr-56: Dynamic mechanical properties and characterization of Nylon 6,6/ Nanoclay Nanocomposities', International conference on Recent Trends in Advanced Materials- ICRAM 2012, School of Advanced Sciences VIT University, Vellore, India, 20-22 February 2012, pp. 256.

10. P.K. Chidambaram, **R.Ramakrishnan,** (2010), 'A review about Nanocomposites' Proceedings of the International Conference on Nanoscience and Nanotechnology–ICONN-2010, SRM University, Chennai, India, pp. 401-402.

11. P.K. Chidambaram, **R.Ramakrishnan,** (2010), 'Polymer Nanocomposites – A state of the art' International Conference on modern trends in sports Technology, Management & Allied Sciences- March 8th , 9th 2010, Alagappa University, Karikudi, Tamilnadu, India, pp. 401-402.

12. P.Kannan, **R.Ramakrishnan,** (2010) 'Modeling and implementation of a Markov Algorithm for Irregularity Sports Video Processing Real Time Application', Proceedings of the Conference on Innovations in Wireless Technology NCIWT2010,Dept. of information Technology, Panimalar Engineering College, Chennai, India, ISBN:978-81-904760.

13. P.Kannan, **R.Ramakrishnan,** (2010) 'A versatile Algorithm for Reconstruction of Sports Video Sequences', International Conference on Computational Intelligence and Computing Research, ISBN:978818713627.

14. V.Muthuraman**, R.Ramakrishnan**, M.Puviyarasan, (2009), 'optimization of wire electro discharge machining parameters for WC-CO Composite', Indo-Japan conference on advances in materials processing, Dept. of Manufacturing Engineering, Annamalai University, India, Sept. 28th to Oct.02, 2009. pp.32.

15. **R.Ramakrishnan,** L.Karunamoorthy, A.DheebaRajan, D.Dhayanand, (2008), 'Application of response surface Modeling for Wire Electro Discharge Machining process', International conference on Recent Advances in Materials, Processing and Characterization - RAM-2008, V. R. Siddhartha Engineering College, Vijayawada – 520 007, A.P., India.

16. **R. Ramakrishnan,** L. Karunamoorthy, K.R.Padmavathi, T. Tamilarasan , (2007), 'Intelligent modeling for predicting Wire EDM processes', Proceedings of International Conference on Modeling And Simulation (Emerging Methods Towards Frontier Technologies) CITICOMS -2007, 27-29 August 2007, Coimbatore, India.

17. T. Tamilarasan, A.Azad, S.Arul, **R. Ramakrishnan** (2007), 'Parametric analysis of process parameters of turning GFRP composite' International Conference On Modeling And Simulation (Emerging Methods Towards Frontier Technologies) CITICOMS -2007, 27-29 August 2007, Coimbatore, India.

18. K.R.Padmavathi, P. Hariharan, S. Rajadurai, **R. Ramakrishnan,** T.Tamilarasan, (2007), 'Optimization of Wire Electro Discharge Machining Parameters For AISI 316 Stainless Steel Intelligent modeling for predicting Wire EDM processes International Conference on Modeling And Simulation (Emerging Methods Towards Frontier Technologies) CITICOMS -2007, 27-29 August 2007, Coimbatore, India.

19. T. Tamilarasan, A.Azad, S.Arul, **R. Ramakrishnan,** (2007), 'Analysis of process parameters of turning GFRP composite' International Conference on Advanced Design and Manufacture – 2007, Sethu Institute of Technology, Madurai, Tamilnadu, India.

20. K.R.Padmavathi, P. Hariharan **R. Ramakrishnan,** T. Tamilarasan, Azad, (2007), 'Parametric optimization of wire EDM doe AISI 316 stainless steel' International Conference on Advanced Design and Manufacture – 2007, Sethu Institute of Technology, Madurai, Tamilnadu, India.

21. **R.Ramakrishnan,** L.Karunamoorthy **(2006),** 'Modeling and Multi Response Optimization Of Inconel 718 On Machining of CNC WEDM Process', Proceedings of International Conference on Material processing and characterization, Anna University , Chennai, India, 28-30th August, 2006.

22. **R.Ramakrishnan,** L.Karthikeyan, Umasankar, **(2006),** 'Automotive E-coat paint process simulation using FEA', Proceedings of International Conference on Material processing and characterization, Anna University, Chennai, 28-30th August, 2006.

23. S. Ramesh, L.Karunamoorthy, **R.Ramakrishnan, (2006),** 'Modeling for prediction of surface roughness in machining Ti64 Alloy by CVD Coated Inserts', Proceedings of International Conference on Material processing and characterization, Anna University , Chennai, 28-30th August, 2006.

24. **R.Ramakrishnan,** Vamse Krishna Reddy, G. Arumaikannu (2004), 'Optimization of Wire EDM process using genetic algorithm', Proceedings of International Conference on TEAM-TECH– 2004, Indian Institute of Science, Bangalore, India.

25. **R.Ramakrishnan,** L.Karunamoorthy (2003), Parametric Optimization of CNC Wire cut EDM based on Taguchi Methodology "Proceedings of International conference on APORS - 2003, December 8-10, 2003, Indian Institute of Technology, New Delhi, pp. 579 –585.

26. **R.Ramakrishnan,** L.Karunamoorthy (2002), Performance analysis and investigation of Wire cut EDM using Neural Network. 'Proceedings of International Conference on Manufacturing '(ICM 2002), August 09-11, 2002 Dhaka, Bangladesh.

27. S.Ramesh, **R.Ramakrishnan,** L.Karunamoorthy (2002), Performance analysis and prediction of tool wear using ANN for Tic coated carbide inserts on 40 Crl steel 'Proceedings of International Conference on Manufacturing (ICM 2002), August 09-11, 2002 Dhaka, Bangladesh.

Reviewed National Conference Publications

1. K.R.Padmavathi, **R. Ramakrishnan,** (2014), 'MWCNT and SiC reinforced Aluminium Metal Matrix Composite', National Conference on Science,

Engineering and Technology, Vellore Institute of Technology, Tamilnadu, India, pp. 131-135

2. P.K. Chidambaram, **R.Ramakrishnan,** (2012), 'Synthesis, Dynamic Mechanical Properties and Characterization of Nylon 6.6 /Nanoclay Nanocomposities',' Proceedings of National Conference on Emerging Trends in Mechanical Engineering, Dept. of Mechanical Engineering, Sathyabama University, Chennai, 8th & 9th March 2012, pp.296-299.

3. P.K. Chidambaram, **R.Ramakrishnan,** (2012), 'Synthesis, Morphological and Mechanical properties of polymer nanocomposities',**'**National Conference on Emerging Research and Advances in Mechanical Sciences', Dept. of Mechanical Engineering, Velammal Engineering College, Chennai, 23rd March 2012, pp.139-142.
4. P.K. Chidambaram, **R.Ramakrishnan,** (2010), **'**Comparing various Fabrication methods of Expanded Graphite Reinforced Polymer Nanocomposites' "Nanomeet 2010", Center for Nanoscience and Technology, Anna University, Chennai, 25-26 March 2010, pp. 28-29.
5. V.Muthuraman**, R.Ramakrishnan**, (2009), 'Artificial Neural Network Model for Predicting Wire EDM Performance Characteristics', "Proceedings of the National Conference on Intelligent Computing and Control for Engineering Applications, Anna University Coimbatore, Coimbatore, August 13-14, 2009, pp.47-49.

6. K.R.Padmavathi, P. Hariharan, **R.Ramakrishnan,** (2007), **'**Optimization of Wire Electrical Discharge Machining parameters using Taguchi method', 'Proceedings of National Conference on Recent Trends in Manufacturing and Thermal Engineering –NCRTMT-07 , Thanthai Periyar Government Institute of Technology, Vellore, Tamilnadu, May 3rd 2007, pp.348-357.
7. T. Tamilarasan, A.Azad, **R. Ramakrishnan**(2007), 'Analysis of process parameters of turning GFRP composite', 'Proceedings of National Conference on Recent Trends in Manufacturing and Thermal Engineering NCRTMT-07 Thanthai Periyar Government Institute of Technology, Vellore, Tamilnadu, May 3rd 2007, pp.248-253.
8. **R.Ramakrishnan,** L.Karunamoorthy(2004), , 'Optimization of cutting parameters for surface roughness minimization in WEDM operations', Proceedings of national Conference on Manufacturing Modeling and Simulation, St. Joseph's Engg. College, Chennai. Feb. 2nd & 3rd, 2004, pp.1-9.

9. MohanDass, L.Karunamoorthy, **R.Ramakrishnan** (2003), 'Prediction of Wire cut EDM process using neural network – JNTU, Anandhpur, AP, India

10. Ramkumar, **R.Ramakrishnan,** L.Karunamoorthy(2003), Optimization of wire cut EDM Process using Genetic Algorithm" Proceedings of national inference on World Class Manufacturing (WCM – 2003), Amirtha Institute of Science and Technology, Coimbatore on March 2003.

11. **R.Ramakrishnan,** L.Karunamoorthy(2003), , 'CNC Wire Cut EDM Parametric analysis based on Response Surface Methodology, 'Proceedings of national Conference on Modeling and Simulation in Manufacturing - 2003', Annamalai University, March 15-16, 2003.

12. **R.Ramakrishnan,** L.Karunamoorthy, (2002), 'Wire Cut EDM using artificial neural network modeling', Proceedings of 20th AIMTDR Conference, Dec. 15th to 17th 2002, BIT Ranchi, India, pp. 703-712.

RESEARCH GUIDANCE- PhD

Sl.No.	Name	Research Title	University
1	V.Muthuraman	Studies on Wire EDM process machining of WC- Co Composites.	Sathyabama University, Chennai **(Date of Viva Voce 18-10-14)**
2	R. Manikandan	Evolving An Intellectual Method to Analyse the Motion of Object Using Video Frames	Tamilnadu Physical Education and Sports University, Chennai-127 **(Date of Viva Voce 28-11-14)**
3	P.Kannan	Studies on Sports Dynamics Analysis using Video Image Processing Techniques'	Tamilnadu Physical Education and Sports University, Chennai-127 **(Date of Viva Voce 17-02-2014)**
4	P.K.Chidambaram	Synthesis and performance analysis of Carbon Naotube and Nanoclay reinforced epoxy Nanocomposite for Sports Equipments	Tamilnadu Physical Education and Sports University, Chennai-127 **(Date of Viva Voce 09-02-15)**
5	S.Uma Maheswari	Studies on Spectral Method based video Shot clustering	Tamilnadu Physical Education and Sports University, Chennai-127 **(Date of Viva Voce 27-03-17)**
6	K.R.Padmavathy	Study and Characteristic Analysis of Carbon Nano Composites.	Sathyabama University, Chennai **(Date of Viva Voce 14-12-2020)**
7	G. Senthilkumar	Study and Characteristic Analysis	Sathyabama University, Chennai

		of SiC Composites.	(thesis submitted)
8	G. Elumalai	Studies on Horizontal events using sensor networks	Tamilnadu Physical Education and Sports University, Chennai-127 (**Date of Viva Voce 18-02-2021**)
9	Vikas Malik	Design and analysis of sports fitness structures	Tamilnadu Physical Education and Sports University, Chennai-127 (thesis submitted)

Summer / Winter School participated

S.No.	Name of the Programme	Institute organized	Period
1	Taguchi method based Quality Engineering Techniques	Arunai Engineering College, Thiruvannamalai.	Feb. 18-20,2001
2	Advances in Non Traditional Machining &Welding Processes	Kongu Engg. College, Perundurai.	Nov.10-23, 2002
3	Design and Manufacture of Composite Components	PSG College of Tech., Coimbatore.	June 23-27,2003

Areas of Research Interest

- Micro Electro Mechanical System (MEMS),
- Robust Design,
- Modeling and Optimization Techniques,
- Composite and Nano Machining
- Aerodynamic Analysis of Sports Balls and
- Biomechanical Analysis of sports events.

Research Gate Id

https://publons.com/a/https:/www.researchgate.net/profile/Ramakrishnan_R

Google Scholar Id

https://scholar.google.com/citations?hl=en&user=ZsifCiAAAAAJ

Orcid Id

https://orcid.org/0000-0001-6018-7338

Scopus Id

https://www.scopus.com/authid/detail.uri?authorId=56042380300

Microsoft Academic Search Id

https://academic.microsoft.com/profile/e23jegh1-g1fh-4ej0-ee04-8f3ig06832gi/DrRamakrishnanR

Vidwan Id

https://vidwan.inflibnet.ac.in/profile/181796