

<b>List of Publications in the last Five Years by Dr. S. Rajakumar</b>		
<b>S. No</b>	<b>List of Publications</b>	<b>Year</b>
1.	E. Varadha, S. Rajakumar, Immanuel .R, X.S. Ashok Jain, Vibration analysis of transverse galloping of different bluff bodies June 2020Materials today: proceedings	2020
2.	A.Manikandan and S.Rajakumar, “A review on natural fiber and its characteristics”, Industrial Engineering Journal, ISSN: 0970-2555, Volume: 13, Issue: 3, pp 21 – 28, March 2020.	2020
3.	S.Kaviyarasu and S.Rajakumar,” Review on Battery Thermal management system using phase change material”, International Research Journal of Modernization in Engineering Technology and science, e ISSN: 2582-5208, Volume: 2, Issue:3, pp 797 – 814, March 2020.	2020
4.	A. Suresh and S. Rajakumar, “Design of small horizontal axis wind turbine for low wind speed rural applications”, Materials Today: Proceedings, Volume:23, Issue:1, pp 16-22, 2020	2020
5.	N. Muthu Saravanan, S. Rajakumar, A. Arul Marcel Moshi, Experimental investigation on the performance enhancement of single basin double slope solar still using kanchey marbles as sensible heat storage materials, Materials Today Proceedings, Jul 2020	2020
6.	L. Anantha Ramana, B. Deepanraj, S. Rajakumar, V. Sivasubramanian, “ Experimental investigation on performance, combustion and emission analysis of a direct injection diesel engine fuelled with rapeseed oil biodiesel”, FUEL, pp 69 – 74, Vol.246, February 2019.	2019
7.	Gowtham and Rajakumar, “Investigation of Natural Fiber Composite Material for Building Cooling System”, International Journal of Science and Research, pp 1154 – 1156, Vol.8, No.1, January 2019.	2019
8.	E.Varadha and Rajakumar.S “Performance improvement of piezoelectric materials in energy harvesting in recent days – a review”, JOURNAL OF VIBROENGINEERING, pp 2632-2650, Vol. 20, Issue 7, NOVEMBER 2018	2018

9.	E.Varadha and Rajakumar.S “Design And Optimization of Piezoelectric Cantilever Beam for Improving Energy Harvesting using Taguchi’s Analysis”, TAGA Journal, pp 502-513, 2018	2018
10.	Anantha Raman, L., Rajakumar S, Deepanraj B, and Paradeshi L, “Study on performance and emission characteristics of a single cylinder diesel engine using exhaust gas recirculation” , THERMAL SCIENCE, Year 2017, Vol. 21, (2), pp. S435-S441, 2017	2017
11.	S. Rajakumar , D.Ravindran, M. Sivakumar, G.Venkatachalam, S. Muthukumar, “Optimization of Power Coefficient of Wind Turbine Using Genetic Algorithm”, J. Inst. Eng. India Ser. C, Vol. 98 No. 2 111–118 April (2017)	2017
12.	L. Anantha Raman, S. Rajakumar, Lokesh Paradeshi, “Effect of thermal barrier coating on performance and emission characteristics of a diesel engine”, International Journal of Advanced Engineering Technology, Vol. VII, Issue I/Jan.-March, 851-853, 2016	2016
13.	L. Anantha Raman, S. Rajakumar “CFD Modeling and experimental measurement of fluid flow characteristics, swirl motion, Tumble motion in compression ignition engines – A Review”, Journal of Research Innovations in Engineering & Technology, Vol. II, Issue 2, pp 16-24, 2016	2016
14.	J.Jaisy, S.Rajakumar, “CFD analysis of 5kw horizontal axis wind turbine”, International journal of advances in engineering research, 11 (6) 47-55 (2016)	2016
15.	P.Premalatha, S.Rajakumar, “CFD analysis of the small horizontal axis wind turbine blade with and without winglets”, International journal of advances in engineering research, 11 (6) 38-46 (2016)	2016
16.	S.John Paul Devaseelan, S.Rajakumar, “Mechanical & Thermal properties of hybrid reinforcement polymer composite”, International journal of advances in engineering research, 11 (6) 29-37 (2016)	2016
17.	T.Vijay, S.Rajakumar, S.Ayyappan, “CFD analysis on electric current generation from industrial exhaust by using turbocharger”, International journal of advances in engineering research, 11 (6) 15-21 (2016)	2016

18.	C.Ashok, S.Rajakumar, Y.Balamurali, "Finite element analysis of aluminum sandwich composite material", International journal of advances in engineering research, 11 (6) 8-14 (2016)	2016
19.	R.Immanual, S.Rajakumar, B.Ragupathi, S.P.Ramkumar, "Decrease the outlet water temperature of cross flow cooling tower", International journal of advances in engineering research, 11 (6) 1-7 (2016)	2016
20.	G.Sureshkumar, S.Rajakumar, S.Ayyappan, "Experimental and numerical analysis on car radiator by using nanofluids", International journal of Research in Science & Technology, 6 (3) 103-111 (2016).	2016
21.	S.Premkumar, S.Rajakumar, "Development on microwind turbine for automotives", International journal of Research in Science & Technology, 6 (3) 96-102 (2016).	2016
22.	S.Daniel Selvakumar , R.Immanual , S.Rajakumar, "Design and fabrication of photo voltaic refrigeration system for mushroom cultivation", International journal of Research in Science & Technology, 6 (3) 90-95 (2016).	2016
23.	B.Paul Vinofer, S.Rajakumar, "CFD evaluation on effect of double glazing over single glazing in a small utility vehicle", International journal of Research in Science & Technology, 6 (3) 82-89 (2016).	2016
24.	K.K. Dinesh Kumar, S.Rajakumar, "Review on biogas production from co-digestion of cow dung and food waste with water hyacinth", International Journal of Research in Science & Technology, 6 (1) 119-124 (2016)	2016
25.	S.John Paul Devaseelan, S. Rajakumar, "Review on mechanical & thermal properties of hybrid reinforcement polymer composite", International Journal of Research in Science & Technology, 6 (1) 125-139 (2016)	2016
26.	J.Jaisy , Dr.S.Rajakumar, "Turbulence analysis on a 5kw horizontal axis wind turbine using CFD", International Journal of Research in Science & Technology, 6 (1) 148-157 (2016)	2016
27.	M.Annal Rajam, S.Rajakumar, "Control of temperature in bio-digester using phase change material (PCM)", International journal of research in social sciences & humanities, 6 (1) 86-93 (2016)	2016

28.	B. Paul Vinofer, S.Rajakumar, Cooling load calculation and design of air conditioning system in automobile, International journal of research in social sciences & humanities, 6 (1) 94-103 (2016)	2016
29.	R.Immanuel, S.Rajakumar, “Performance evaluation and optimisation of cross flow cooling tower”, International Journal of Research in Science & Technology, 6 (1) 81-89, (2016)	2016
30.	K.K. Dinesh Kumar, S.Rajakumar, “Review on biogas production from co-digestion of cow dung and food waste with water hyacinth”, International Journal of Research in Science & Technology, 6 (1) 119-124 (2016)	2016
31.	S.John Paul Devaseelan, S. Rajakumar, “Review on mechanical & thermal properties of hybrid reinforcement polymer composite”, International Journal of Research in Science & Technology, 6 (1) 125-139 (2016)	2016
32.	A Suresh, S Rajakumar, “Design and experimental investigation of micro wind turbine”, International journal of advances in engineering research, 10 (6) 216-224 (2015)	2015
33.	S. Daniel Selvakumar, R. Immanuel, S. Rajakumar, “Calculation of cooling load for mushroom cultivation”, International journal of advances in engineering research, 10 (6) 196-202 (2015)	2015
34.	N. Karthikeyan , K. Kalidasa Murugavel, S. Arun Kumar, S. Rajakumar., “Review of aerodynamic developments on small horizontal axis wind turbine blade” Renewable and Sustainable Energy Reviews, Vol. 42 (2015), pp. 801–822.	2015
35.	A.Sethu Ramalingam, Rajakumar, S., “Parametric modeling & study of structural characteristics of wind turbine blade”, International journal of engineering and computer science”, Vol. 4, No. 5, pp. 141-149, 2015	2015