


FACULTY PROFILE

Name of Teaching Staff/RMK ID	Dr. R. Suresh Kumar/T0370			
Designation	Professor			
Department	Mechanical Engineering			
Date of Joining the Institution	09-01-2006 (Regular)			
Qualifications	B.E. (Mechanical Engineering)	M.E. (Thermal Power)	Ph.D.	
Total Experience	Overall: 23 years		In RMK: 17.10 years	
Papers Published in Journal	Overall:16		After Joining RMK :16	
List of Papers Published	<ol style="list-style-type: none"> 1. Suresh kumar, R, Tharves Mohideen, S & Nethaji, N 2013, 'Heat transfer characteristics of nanofluids in heatpipes : A review', Renewable and Sustainable Energy reviews, vol. 20,pp.397-410. DOI:10.1016/j.rser.2012.11.044 2. Sureshkumar,R&TharvesMohideen,S2013,'Simulation studies on performance of micro heat pipes used in laptops', International Journal of Energy Technology and Policy, vol. 9, no. 1, pp. 65-81. https://doi.org/10.1504/IJETP.2013.055815 3. Tharves Mohideen, S & Suresh kumar, R 2014, 'An experimental investigation of the thermal performance of two-phase closed thermosyphon (TPCT)using zirconia(ZrO₂ +H₂O)nanofluid', ThermalScience. DOI:10.2298/TSCI140403116T 4. Suresh kumar, R &Tharves Mohideen, S 2014, 'Thermal performance of thermosyphon heat pipe using CuO nanofluids', International Journal of Applied Engineering Research, vol.9, no.26, pp.9003-9006 (ISSN 0973-4562). 5. N.Jayanthi, R.Suresh Kumar, GopaluKarunakaran, M.Venkatesh 2019, "Experimental Investigation on the thermal performance of Heat Pipe Solar Collector (HPSC)", MaterialsToday:Proceedings.Volume26,Part4,2020, Pages3569-3575 https://doi.org/10.1016/j.matpr.2019.07.607 6. R. Suresh kumar, S. Tharves Mohideen , N. Jayanthi , M.Venkatesh2020,"Thermal analysis of two-phase closed thermosyphon (TPCT)using nanofluids", Materials Today: Proceedings. Volume 26, Part 4, 2020, Pages A1-A5 https://doi.org/10.1016/j.matpr.2020.05.700 7. S.Rajesh, R.SureshKumar, S.Madhankumar, M. Sheshan, 			

	<p>M.Vignesh, R.SanjayKumar, "Study of the mechanical properties of Al7075 alloy, silicon carbide and fly ash composites manufactured by stir casting technique", Materials Today: Proceedings, Volume 45, Year 2020, Pages6438-6443. https://doi.org/10.1016/j.matpr.2020.11.278</p> <p>8. R.Suresh Kumar, Aakash Ram, Adhishwar, Athivaragan , "Automatic air filling system using Image processing", Pensee Journal, Volume , Year 2020</p> <p>9. Jayanthi N, Venkatesh M, Suresh Kumar R, Sekar S," A review on performance of nanofluids in various heatpipe solar collector", Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, Volume , Year 2021. https://doi.org/10.1177/095440892110670</p> <p>10. R. Suresh Kumar, N. Jayanthi, K. Sudhakar, K. Muralidharan, J. Jayaprabakar 2023, "A review on the performance of oscillating heat pipe used in battery cooling", Environmental Quality Management. https://doi.org/10.1002/tqem.21968</p> <p>11. GaneshBabu Loganathan, Pon Maheskumar, N.Jayanthi, R.Suresh Kumar, S.Sakthi, R.Girimurugan 2023, "Development of novel environmental proficient hybrid composites based on marble dust and poultry's eggshell", MaterialsToday:Proceedings https://doi.org/10.1016/j.matpr.2023.02.108</p> <p>12. R. Suresh Kumar , N. Jayanthi , S.S.K. Deepak, Jitendra Singh Yadav, Omprakash Dewangan, R. Pugazhenthii, Naveen Agrawal 2023, "Development of copra dryer incorporated with convective steam turbine", Materials Today: Proceedings. https://doi.org/10.1016/j.matpr.2023.05.318</p> <p>13. K. Harinisri, N. Jayanthi, R. Suresh Kumar 2023, "Diverse application of green nanotechnology – A review", Materials Today: Proceedings. https://doi.org/10.1016/j.matpr.2023.06.085</p> <p>14. Thangavel Palaniappan, Vignesh S, Suresh kumar R, Gowrishankar A, Girimurugan R and Nanthakumar S 2023, " Study on Mechanical Properties of Polylactic Acid Matrix Added with Fly Ash and Tamarind Kernel Powder Micro Fillers", NanoWorld Journal https://doi.org/10.17756/nwj.2023-s1-121</p> <p>15. D. Dinesh Kumar, A. Balamurugan, K. C. Suresh, R. Suresh Kumar , N. Jayanthi,T. Ramakrishnan , S. K. Hasane Ahammad, S. Mayakannan and S. Venkatesa Prabhu 2023, "Study of Microstructure and Wear Resistance of AA5052/B4C Nano composites as a Function of Volume Fraction Reinforcement to Particle Size Ratio by ANN", Journal of Chemistry, Vol. 2023, Article ID 2554098, 12 pages https://doi.org/10.1155/2023/2554098</p> <p>16. J. Senthilkumar, K. Dharun, T. Sanchit Kumar, R. Suresh</p>
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	Kumar, N. Jayanthi, S. Venkatesh 2023, "Impact of nano catalyst in the biodiesel production for direct injection diesel engine: A review", Environmental Quality Management, pp.1–10. https://doi.org/10.1002/tqem.22057	
Papers Presented in Conferences (Scopus/WoS indexed only)	Overall:06	After Joining RMK :06
Ph.Ds/Projects Guided	Ph.Ds Guided: Nil	Student Projects Guided: 65
BooksPublished:	Count: Nil	
	List: Nil	
Patents	Published Count: 02	Granted Count: Nil
	List: <ol style="list-style-type: none"> Title of the Patent : Automatic tyre pressure Inflation system, Sam Bennyhinn HongtonK, SandeepR, Sakthivel M, R.Suresh kumar, K.R. Senthil kumar, Application No: 202141058740, Publication Date: 04-02-2022 Title of the Patent : Automatic air filling system for Automobiles, K.R.SenthilKumar, R.SureshKumar, M. Mudhu Krishnan, Application No: 202041045228, Publication Date: 20-04-2022 	
Professional Memberships	Count: 04	
	List: <ol style="list-style-type: none"> ISTE-Lifemember Indian Society of Systems for Science & Engineering (ISSE)- Life member The Society of Digital Information and Wireless Communications (SDIWC) International Association of Engineers (IAENG) 	
Consultancy Projects Completed	Count: 02	
Awards Received	Count: 05	
	List: <ol style="list-style-type: none"> Appreciation Award by TEXAS INSTRUMENTS, 2018. NATIONAL LEVEL AWARD – BEST MENTOR – 2019 by Dr. Kalam Educational Trust ISTE BEST STUDENT CHAPTER FACULTY ADVISOR AWARD – 2020 by ISTE Tamilnadu section IEI BEST FACULTY ADVISOR AWARD – 2022 received from IEI Tamilnadu Section IEI ACADEMIC EXCELLENCE AWARD – 2022 received from IEI Tamilnadu Section 	

Research grants Received	<p>1. Project Title: IMPROVING COP OF AIRCONDITIONER USING HEAT PIPES Funding Agency : ISHRAE Grant received:Rs.15,000</p> <p>2. Project Title: AUTOMATED GUIDED VEHICLE (AGV) Funding Agency : R.M.K. Engineering College Grant received:Rs.2,02,600</p> <p>3. Project Title: LOW COST EVACUATED TUBE HEAT PIPE SOLAR WATER HEATER FOR VILLAGES Funding Agency : Unnath Bharath Abhiyan (UBA) Grant received:Rs.1,00,000</p>
OrchidLink/ID	ID:0000-0001-9487-2755
GoogleScholarLink/ID	ID: JPRxidEAAAAJ
VidwanLink/ID	ID: 305219
ResearchGateLink/ID	https://www.researchgate.net/profile/Suresh-Kumar-Ramasamy-4
ScopusLink/ID	ID: 57521630500