FACULTY PROFILE

Name of Teaching Staff / RMK ID	**DR. K. K. SIVAGNANA PRABHU**		
Designation	Professor		
Department	Mechanical Engineering		
Date of Joining the Institution	19.01.2005 (Regular)		
Qualifications	B.E – Chemical Engineering	M.Tech-Chemical Engineering	Ph.D
Total Experience	Overall : 22 Years & 7months	in RMK : 18 Years & 10 Months	
Papers Published in Journal	Overall : 19	After Joining RMK : 19	
List of Papers Published	1. R.Kandasamy, R.Dharmalingam, KKS Prabhu, "Thermal and Solutal Stratification of MHD nanofluid flow over a Porous Vertical Plate", Alexandria Engineering Journal, 2017. 2. R.Dharmalingam, R.Kandasamy, KKS Prabhu, "Lorentz forces and nanoparticle shape on water based Cu, Al_2O_3 ", Journal of Molecular Liquids, 231, 663-672, 2017. 3. R Kandasamy, R Dharmalingam, KKS Prabhu, "Performance of Thermal Radiation Energy on Stagnation-Point Flow In The Presence of Water Based Copper and Single Walled Carbon Nanotubes over Stretching", International Journal of Engineering Research and Applications 6 (4), 62-74, 2016. 4. M.Sureshkumar, P.Tamilselvam, R.Kumaravelan, R.Dharmalingam, "Design, Fabrication, and Analysis of a Hybrid Fiber Composite Mono leaf Spring Using Carbon and E-glass Fibers for Automotive Suspension Applications", Mechanics of composite materials, 50(1), 115-122, 2014. 5. R.Dharmalingam, KK.Sivagnanaprabhu, R.Thirumalai, "Nano materials and nanofluids: An innovative technology study for new paradigms for technology enhancement", Proceedia Engineering, 97, 1434-1441, 2014. 6. Dharmalingam, K.K. Sivagnanaprabhu, C.Chinnasamy, B. Senthilkumar "Optimization studies on the Performance Characteristics of Solar Flat-plate collector using Taguchi Method", Middle East Journal of Scientific Research, 23 (5): 861-868, 2015. 7. R.Dharmalingam, K.K. Sivagnanaprabhu, B.Senthilkumar,		

	S.Periyasamy, “Experimental investigation and Mathematical Study of Performance Characteristics of Solar Flat Plate Collector Using Al 2 O 3 ”, International Journal of Mechanical Engineering and Research. 5(1), 84-88, 2015. 8. R.Dharmalingam, KK.Sivagnanaprabhu, J.Yogaraja, S.Gunasekaran, R.Mohan,“Experimental Investigation of Heat Transfer Characteristics of Nanofluid Using Parallel Flow, Counter Flow and Shell and Tube Heat Exchanger, Archive of Mechanical Engineering, 62(4), 509-522, 2015. 9. Sundaram Arvindnarayan, Kandasamy K. Sivagnana Prabhu, Sutha Shobana, Gopalakrishnan Kumar, Jeyaprakash Dharmaraja, Upgrading of micro algal derived bio- fuels in thermochemical liquefaction path and its perspectives: A review, International Biodeterioration & Biodegradation, 119, 260-272, 2017. 10. Arvindnarayan, K. K. Sivagnana Prabhu, S. Shobana, A. Pasupathy, Jeyaprakash Dharmaraja, Gopala Krishnan Kumar, Potential assessment of micro algal lipids: A renewable source of energy, Journal of the Energy Institute, 90, (3), 431-440, 2017. 11. S. Arvindnarayan, K. K. Sivagnana Prabhu, S. Shobana, Jeyaprakash Dharmaraja, A. Pasupathy, Algal biomass energy carriers as fuels: An alternative green source, Journal of the Energy Institute, 90(2), 300-315, 2017. 12. N. Siva Raman, K. K. Sivagnana Prabhua, R. Kandasamy, “Soret and Dufour Effects on MHD Free Convective Heat and Mass Transfer with Thermophoresis and Chemical Reaction Over a Porous Stretching Surface:Group Theory Transformation”, Journal of Applied Mechanics and Technical Physics, 53, (6), 871–879, 2012. 13. R. Kandasamy, I. Muhaimin, N. Siva Ram, K. K. Sivagnana Prabhu, “Thermal Stratification Effects on Hiemenz Flow of Nanofluid Over a Porous Wedge Sheet in the Presence of Suction/Injection Due to Solar Energy: Lie Group Transformation, TranspPorous Med, 94:399–416, 2012. 14. R.Kandasamy, R. Saravanan and K.K.Sivagnana Prabhu, “Chemical reaction on non- linear boundary layer flow over a porous wedge with variable stream conditions” Chemical Engineering Communication, 197, 522-543, 2009, John Wiley and Sons. R. Kandasamy, R. Saravanan, K.K. Sivagnana Prabhu , “Influence of variable viscosity and thermal stratification on non-darcy MHD mixed convective heat and mass transfer past a porous wedge in the presence of chemical reaction", Journal of energy, heat and mass transfer, 31(2), pp. 125-143,2009, Asia and the Pacific. 15. R.Kandasamy, K.Periasamy and K.K.Sivagnana Prabhu, “Chemical reaction, heat and mass transfer on nonlinear MHD boundary layer flow through a vertical porous surface with thermal stratification in the presence of

	suction, Computational methods in Engineering and Science, vol.22,pp.231-242,2006,China, Springer Verlag. 16. R. Kandasamy, K.Periasamy and K.K. Sivagnana Prabhu "Combined heat and mass transfer MHD free convection from a vertical surface with ohmic heating, chemical reaction and viscous dissipation", vol.28,pp127-134,2006, Journal of energy, heat and mass transfer, Regional centre for energy, heat and mass transfer, Asia and the Pacific. 17. R.Kandasamy, K.Periasamy and K.K. Sivagnana Prabhu," Effects of chemical reaction , heat and mass transfer along a wedge with heat source and concentration in the presence of suction and injection," International journal of heat and mass transfer, vol. 48, no. 7, pp. 1388-1394, 2005, Elsevier Science ltd., USA. 18. R.Kandasamy, K.Periasamy and K.K. Sivagnana Prabhu, "Chemical reaction, heat and mass transfer on MHD flow over a vertical stretching surface with heat source and thermal stratification effects", International journal of heat and mass transfer, 48,21,4751- 4761, 2005, USA.	
Papers Presented in Conferences (Scopus / WoS indexed only)	Overall : 2	After Joining RMK :2
Ph.Ds / Projects Guided	Ph.Ds Guided : 5	Student Projects Guided :