


## FACULTY PROFILE

Name of Teaching Staff / RMK ID	Dr. Santhi M George /T0371			
Designation	Associate Professor			
Department	Science & Humanities (Physics)			
Date of Joining the Institution	17/01/2006			
Qualifications	M.Sc. (Physics)	M.Tech.	Ph.D. (Physics)	
Total Experience	Overall : 26.1 Yrs		in RMK : 16.6 Yrs	
YPapers Published in Journal	Overall : 24		After Joining RMK : 24	
List of Papers Published	1	<b>Santhi M George</b> , R Priya, G Nixon Samuel Vijayakumar, J Anto Pradeep, “Study of mechanical characteristics of the Nano Ti-C reinforced Al6061 metal matrix composites”, <i>Materials Today: Proceedings</i> , 62(4), 2224–2229, Apr 2022.		
	2	<b>Santhi M George</b> , T Senthilnathan, “A paper-based colorimetric assay for the detection of Hg (II) in aqueous solutions using silver nanoparticles green synthesized with <i>Garcinia cambogia</i> and their application for environmental samples”, <i>Sensor Letters</i> , 15(2), 156–161, Feb 2017.		
	3	<b>Santhi M George</b> , T Senthilnathan, “Optical sensing of mercury (II) by green-synthesized silver nanoparticles prepared using <i>Garcinia cambogia</i> and their application in real water sample analysis”, <i>Sensor Letters</i> , 15(2), 775–779, Aug 2016.		
	4	T Senthilnathan, KV Parvathavarthini, <b>Santhi M George</b> , “Assessment of ground water quality of Maraimalai Nagar town near Chennai, India”, <i>Journal of Environmental Research and Development</i> , 5(4), 943–947, Apr 2011.		
	5	T Senthilnathan, KV Parvathavarthini, <b>Santhi M George</b> , “Seasonal variations of water quality of Urappakkam town near Chennai city”, <i>Indian Journal of Environmental Protection</i> , 31(9), 764–768, Sep 2011.		

	6	T Senthilnathan, KV Parvathavarthini, <b>Santhi M George</b> , "Evaluation of water quality assessment in an industrial area", <i>Indian Journal of Environmental Protection</i> , May 2012.
	7	C Bazil Wilfred, <b>Santhi M George</b> , S Sivaranjani, Saravana Selvan, J Mohammed Feros Khan, D Beulah David, "An intelligent energy management system with an efficient IoT based deep learning framework", <i>Proceedings of the International Conference on Sustainable Computing and Data Communication Systems IEEE Xplore</i> , Apr 2022, ISBN: 978-1-6654-7884-7.
	8	K Thilagam, A Beno, M Vanitha Lakshmi, C Bazil Wilfred, <b>Santhi M George</b> , M Karthikeyan, Vijayakumar Peroumal, C Ramesh and Prabakaran Karunakaran, "Secure IoT healthcare architecture with deep learning-based access control system", <i>Journal of Nanomaterials</i> , 2638613, May 2022.
	9	<b>Santhi M George</b> , Amel Gacem, A Kistan, R Mohammed Ashick, L Malleswara Rao, Vinod Singh Rajput, N Nagabooshanam, Moamen S Refat, Amnah Mohammed Alsuhaibani, and David Christopher, "Investigation of high-temperature wear behaviour of AA 2618-nano Si <sub>3</sub> N <sub>4</sub> composites using statistical techniques", <i>Journal of Nanomaterials</i> , 3449903, Sep 2022.
<b>Papers Presented in Conferences</b> (Scopus / WoS indexed only)	Overall: 2	After Joining RMK :2
<b>Ph.Ds / Projects Guided</b>	Ph.Ds Guided : -	Student Projects Guided: -
<b>Books Published :</b>	Count: 2	
	1. Book chapter in the title of An Ecovative Alternative for Plastic: An Overview in the book of Plastic Waste Management Turning Challenges into Opportunities published by Bharti Publication, New Delhi. ISBN: 978-93-91681-06-7.	
<b>Patents</b>	Published Count: 6	Granted Count:=
	1. A Data Processing Device For Electric Vehicle Based on IOT	
	2. Covid protocol Management system	

	3. Smart Attendance System
	4. Solar Based Smart First Aid Kit Dispenser Booth in case of accidents in National Highways
	5. Water Quality Analysis of Mercury II by green synthesized silver nanoparticles prepared by Garcinia combogia
	6. An IoT based system to remotely monitor building structures
<b>Professional Memberships</b>	1. Indian Society for Technical Education
	2. Indian Laser Association
	3. International Association of Engineers
	4. Hong Kong Chemical, Biological & Environmental Engineering Society (HKCBEEES).
	5. International Society for Development and Sustainability (ISDS).
<b>Consultancy Projects Completed</b>	--
<b>Awards Received</b>	--
<b>Research grants Received</b>	--
<b>Orchid Link / ID</b>	<a href="https://orcid.org/0000-0003-4340-7719">https://orcid.org/0000-0003-4340-7719</a>
<b>Google Scholar Link / ID</b>	<a href="https://scholar.google.com/citations?user=ltwscIIAAAJ&amp;hl=en">https://scholar.google.com/citations?user=ltwscIIAAAJ&amp;hl=en</a>
<b>Vidwan Link / ID</b>	<a href="https://vidwan.inflibnet.ac.in/profile/282163">https://vidwan.inflibnet.ac.in/profile/282163</a>
<b>Research Gate Link / ID</b>	<a href="https://www.researchgate.net/profile/Santhi-George">https://www.researchgate.net/profile/Santhi-George</a>
<b>Scopus Link / ID</b>	<a href="https://www.scopus.com/authid/detail.uri?authorId=56302713400">https://www.scopus.com/authid/detail.uri?authorId=56302713400</a>