


FACULTY PROFILE

Name of Teaching Staff / RMK ID	Dr. G. Nixon Samuel Vijayakumar / T0024			
Designation	Professor			
Department	Department of Science and Humanities (Physics)			
Date of Joining the Institution	04.07.1997 (Regular)			
Qualifications	M. Sc, M.Phil (Physics)	Ph.D, (Physics) MCA	B.Ed	
Total Experience	Overall : 27.5 Years		in RMK : 25.5 Years	
Papers Published in Journal	Overall : 7		After Joining RMK : 7	
List of Papers Published	<ol style="list-style-type: none"> 1. Nixon Samuel Vijayakumar, G., Devashankar, S., Sureshkumar, P. and Rathnakumari, M. "Synthesis of electrospun ZnO/CuO nanocomposite fibers and their dielectric and non-linear optic studies", J. Alloys and compounds, Vol. 507, No. 1, pp. 225-229, 2010. 2. Nixon Samuel Vijayakumar, G., Rathnakumari, M. and Sureshkumar., P. "Synthesis, dielectric, AC conductivity and non-linear optic studies of electrospun copper oxide nanofibers", Arch. Appl. Sci. Res., Vol. 3 (5), 514-525, 2011. 3. Nixon Samuel Vijayakumar, G., Rathnakumari, M. and Sureshkumar., P. "Sol-gel synthesis of electrospun BaO/MnO nanocomposite fibers and their magnetic characterization", Cryst. Res. Technol., 1 - 8 (2011) / DOI 10.1002/crat.201100375 4. Nixon Samuel Vijayakumar, G., Rathnakumari, M. and Sureshkumar., P. "Electrical and non-linear optical studies on electrospun ZnO/BaO composite nanofibers", Front. Mater. Sci., 1-10 (2012), DOI 10.1007/s11706-012-0158-4. 5. Nixon Samuel Vijayakumar, G., "Electrical and Optical Characterization of Copper Oxide/Calcium Oxide Nanocomposite Fibers", <u>Journal of Nanoscience and Nanotechnology</u> ., Volume 14, Number 4, April 2014, pp. 3117-3122(6) (2014). 			

	<p>6. Anandhan Chamundeeswari, Savarimuthu Jerome Das, P. S. Latha Mageshwari, G. Nixon Samuel Vijayakumar, Subramanian Deepapriya, John David Rodney, Stephen Grace Infantiya, Aslin Jensipriya, R. Sylvia Reena, and <u>Ramaswamy Rathikha.</u>, "Structural, non-linear optical analysis of ZnO-CdO nanocomposite", PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON PHYSICS OF MATERIALS AND NANOTECHNOLOGY ICPN 2019, 2244(1): 060001, 2020.</p> <p>7. George, Santhi M; Priya, R; Vijayakumar, G Nixon Samuel; Pradeep, J Anto; "Study on mechanical characteristics of the nano-TiC reinforced Al6061 metal matrix composites", Materials Today: Proceedings 62 (2022) pp:2224-2229</p>	
Papers Presented in Conferences (Scopus / WoS indexed only)	Overall : 2	After Joining RMK : 2
Ph.Ds / Projects Guided	Ph.Ds Guided : -	Student Projects Guided : -
Books Published :	Count : 4	
	<ol style="list-style-type: none"> 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. 2. Engineering Physics, Tata McGraw Hill Publishers, 2019. 3. Engineering Physics, RK Publishers, 2010. 4. Engineering Physics Lab Manual, 2000 	
Patents	Published Count : 4	Granted Count : -
	<ol style="list-style-type: none"> 1. A Device To Fabricate Aluminium Alloy-6061 Using Tig Welding published on 09/07/21 2. Solar Based Smart First Aid Kit Dispenser Booth in case of Accidents in National Highways published on 13/05/22. 3. Covid Protocol Management System (CPMS) published on 13/05/22. 4. A system for sand prevention of solar photovoltaic panel with heat preservation performance published on 28/10/22. 	
Professional Memberships	Count : 4	
	<ol style="list-style-type: none"> 1. Indian Society for Technical Education 2. Indian Society of Systems for Science and Engineering 3. Indian Laser Association 4. International Association of Engineers 	
Consultancy Projects Completed	Count : -	
Awards Received	Count : -	

Orcid Link / ID	ID : https://orcid.org/0000-0002-2916-3087
Google Scholar Link / ID	ID : https://scholar.google.com/citations?user=Gk_vRA0AAAAJ&hl=en
Vidwan Link / ID	ID : https://vidwan.inflibnet.ac.in/profile/281517
Research Gate Link / ID	ID : https://www.researchgate.net/profile/Drg-Nixon-Vijayakumar
Scopus Link / ID	ID : https://www.scopus.com/authid/detail.uri?authorId=57191506664