FACULTY PROFILE

Name of Teaching Staff / RMK ID	**Dr. A. JAGADESAN / T0754**		
Designation	Assistant Professor		
Department	Science and Humanities (Physics)		
Date of Joining the Institution	16.08.2012 (Regular)		
Qualifications	M.Sc. (Physics)	M.Phil. (Physics)	Ph.D. (Physics)
Total Experience	Overall : 15	in RMK : 10 Years 3 months	
Papers Published in Journal	Overall : 08	After Joining RMK :08	
List of Papers Published	**1.** Jagadesan, A; Peramaiyan, G; R Mohan Kumar; Arjunan, S; "Growth, optical, thermal and laser damage threshold studies of 4-aminopyridinium 4-nitrophenolate 4-nitrophenol crystal", Journal of Crystal Growth 418(2015),153-157 **(Impact Factor:1.83)** **2.** Jagadesan, A; Peramaiyan, G; Srinivasan, T; R Mohan Kumar; Arjunan, S; "Crystal structure, thermal and optical properties of Benzimidazole benzimidazolium picrate crystal" Journal of Crystal Growth, 436 (2016), 40-45 (**Impact Factor:1.83)** **3.** Jagadesan, A; Sivakumar, N; Kumar, R Mohan; Chakkaravarthi, G; Arjunan, S; "Synthesis, crystal structure, growth and characterization of an optical organic material: 4-Aminopyridinium Trichloro acetate single crystal", Optical Materials 84, p. 864-869 **(Impact Factor:3.774)** 4. Jagadesan, A; Sivakumar, N; Arjunan, S; Growth, structure and spectroscopic studies of an organic optical material: 4-Aminopyridinium 4-nitrophenolate 4-nitrophenol single crystal", Journal Of The Indian Chemical Society, 96(2019) 61-62 **(Impact Factor:0.243)** 5. Jagadesan, A; Sivakumar, N; R.Thinesh Kumar, S.Arjunan; "Growth, Structure and Spectroscopic Studies of an Organic Optical Material: Benzimidazole Benzimidazolium Picrate Crystal", Advanced Materials Proceedings 4(2019) 122-124		

	6. Jagadesan, A; Sivakumar, N; Arjunan, S; Parthiban, G; "Growth, structural, optical, thermal and dielectric behaviour of a novel organic nonlinear optical (NLO) material: Benzimidazolium trichloroacetate monohydrate" Optical Material 109(2020) 110215-110225 **(Impact Factor:3.774)** 7. Jagadesan, A; "Dielectric studies of pure and ferric (Fe3+) ion doped potassium hydrogen phthalate single crystals for potential device performances", AIP Proceeding 2436 (2022) **(Impact Factor:0.402)** 8. Jagadesan, A; "Self-assembled hierarchical microporous ZrO2 nanoparticles and Mg-doped ZrO2 nanodiscs synthesized by non-aqueous sol–gel route" Journal of Materials Science: Materials in Electronics, (2022) **(Impact Factor:2.779)**	
Papers Presented in Conferences (Scopus / WoS indexed only)	Overall :03	After Joining RMK :03
Ph.Ds / Projects Guided	Ph.Ds Guided : -	Student Projects Guided :-
Books Published :	Count : Nil	
	List : Nil	
Patents	Published Count : 04	Granted Count :NIL
	List : 1. Smart Attendance System 2. Automated Social Distance Monitor Through Message Intimation And Transfermart Attendance System 3. Ultrasonic Blind Stick Using Arduino Nano 4. Solar Based Smart First Aid Kit Dispenser Booth in case of Accidents in National Highways	
Professional Memberships	Count : 05	
	List : • Indian laser symposium, • ISTE, • IAPT, • IAENG, • HKCBEES	
Consultancy Projects Completed	Count : Nil	

Awards Received	Count : 04
	List : ➢ Certificate of appreciation is awarded to me as a mentor for NPTEL certificate course Enhancing soft skills and personality **(2022)** ➢ Received Best paper (oral) presentation award for International workshop organized by Centre for Nano science, Anna University **(2022)** ➢ Received Best paper (oral) presentation award for International conference, University of Madras **(2020)** ➢ Received certificate for getting first rank in my under graduation degree from Collector**(2003**)
Research grants Received	Nil
Orchid Link / ID	ID : https://orcid.org/0000-0002-2508-3813
Google Scholar Link / ID	ID : https://scholar.google.co.in/citations?user=BnshI3kAAAAJ&hl=en
Vidwan Link / ID	ID : https://vidwan.inflibnet.ac.in/profile/281757
Research Gate Link / ID	ID : https://www.researchgate.net/profile/Jagadesan-Anbalagan
Scopus Link / ID	ID : https://www.scopus.com/authid/detail.uri?authorId=56541767900