


Faculty Profile

Name	: Dr. K. Venkatesan				
Date of Birth	: 05.06.1986				
Highest Qualification	: Ph.D.,				
Date of Joining	: 28.05.2022				
Designation	: Assistant Professor				
Date of promotion (Present Designation)	: NA				
Area of Interest	: Magnetic Materials / Nanomaterials				
Mobile No	: 6380554398	Email ID	: venkatesan.k@trp.srmtrichy.edu.in		
Experience	: Teaching : 5 Y 10 M	Industry	: -	Research	: 10 Y 2 M
Address (for Communication)	Department of Physics, SRM TRP Engineering College, Tiruchirappalli – 621105.				

Association with Professional Bodies

Name (Professional Body)	Indian Association for Crystal Growth (IACG)	Magnetic society of India (MSI)	Indian society of Technical Education (ISTE)	Raman International Optronics Society (RIOS)
Type of Membership and No.:	Lifetime and 39/2023	Lifetime and LM588	Lifetime and LM120056	Ordinary Member RIOS/0766/2023

Research

Ph. D Guidance					
Supervisor / Guide ship No. :	3070044	University :	Anna University	No. of Scholars :	-
Publication*					
International Journals :	10	National Journals :	01		
International Conference :	30	National Conference :	16		
Project Grants (Research projects guided or undertaken/ Sponsored Projects)					
Received (Amount) :	-	Applied (Amount) :	-		
Patent					
Published :	03	Granted :	-		

Books

Published	: -
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FDPs / STTPs / Workshops / Seminars etc.,

FDP		STTP		Workshop		Seminar		Others	
Attended :	15	Attended :	03	Attended :	09	Attended :	07	Attended :	-
Organized :	03	Organized :	-	Organized :	02	Organized :	03	Organized :	-

Online courses (NPTEL, MOOC etc.)	03
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***List of Publications :**

10. K Sakthipandi, **K Venkatesan**, G Purushothaman, G Rajkumar, Rajshree B Jotania, R Sivakumar, S Arunmetha, Aslam Hossain, Study of phase transition temperature in defect-induced barium hexaferrite, *Materials Letters*, Vol. 363, 2024, 136257.
9. K Sakthipandi, **K Venkatesan**, R Sivakumar, G Rajkumar, B Ganesh Babu, S Arunmetha, Aslam Hossain, M Srinidhi Raghavan, V Rajendran, Exploring the impact of rare-earth (La^{3+}) ions doping on structural, magnetic, and dielectric properties of $\text{Co}_{0.50}\text{Ni}_{0.50}\text{La}_x\text{Fe}_{2-x}\text{O}_4$ nano-spinel ferrite, *Journal of Alloys and Compounds*, Vol. 981, 2024, 173708.
8. D. Rajan Babu and **K. Venkatesan**, Synthesis of nanophasic CoFe_2O_4 powder by self-igniting solution combustion method using mix up fuels, *Journal of Crystal Growth*, Vol. 468, 2017, pp. 179 – 184.
7. **Kaliyamoorthy Venkatesan**, Dhanakotti Rajan Babu and Saminathan Madeswaran, Impact of ignition temperature on particle size and magnetic properties of CoFe_2O_4 nanoparticles prepared by self-propagated MILD combustion technique, *Journal of Magnetism and Magnetic Materials*, Vol. 418, 2016, pp. 280 – 288.
6. **K. Venkatesan** and D. Rajan Babu, Influence of Cr^{3+} ions on CoFe_2O_4 nanoparticles to increase the magnetic behaviour by exchange anisotropy, *AIP Conference Proceedings*, 1731, 2016, pp. 050146-1 – 050146-3.
5. R Vidya and **K Venkatesan**, Preparation and Characterization of Zinc Ferrite (ZnFe_2O_4) Nanoparticles Using Self-Propagated Combustion Route and Evaluation of Antimicrobial Activity, *Research Journal of Pharmaceutical, Biological and Chemical Sciences*, Vol. 6(1), 2015, pp. 537 – 542.
4. **K. Venkatesan** and D. Rajan Babu, Influence of fuel on phase formation of ZnFe_2O_4 prepared by self-propagated combustion route, *AIP Conference Proceedings*, 1665, 2015, pp. 050132-1 – 050132-3.
3. **K. Venkatesan**, R. Supriya, M. P. Kavya Bai, S. Madeswaran, R. Vidya and D. Rajan Babu, Cobalt ferrite (CoFe_2O_4) nanoparticles for evaluation of antibacterial activity, *Journal of Indian Chemical Society*, Vol. 92, 2015, pp. 637 – 639.
2. R Vidya, B Keerthika, K Divya, **K Venkatesan**, and D Rajan Babu, Evaluation of Fungal Growth (*Penicillium* sp. and *Trichoderma* sp.) using Cobalt Ferrite ($\text{Co}_x\text{Fe}_{3-x}\text{O}_4$) Magnetic Nanoparticles, *Research Journal of Pharmaceutical, Biological and Chemical Sciences*, Vol. 6(4), 2015, pp. 503 – 506.
1. **Kaliyamoorthy Venkatesan**, Dhanakotti Rajan Babu, Mane Prabhu Kavya Bai, Ravi Supriya, Radhakrishnan Vidya, Saminathan Madeswaran, Pandurangan Anandan, Mukannan Arivanandhan, Yasuhiro Hayakawa, Structural and magnetic properties of cobalt-doped iron oxide nanoparticles prepared by solution combustion method for biomedical applications, *International Journal of Nanomedicine*, Vol. 10, 2015, pp. 189 – 198.