


**Faculty Profile**

Name	:	Dr. K. Venkatesan	
Date of Birth	:	05.06.1986	
Highest Qualification	:	M.Sc., 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	:	+916380554398	Email ID : venkatesan.k@trp.srmtrichy.edu.in
Experience	:	Teaching : 5.5 Years	Industry : - Research : 10 Years
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)	
Type of Membership	Lifetime	Lifetime	Lifetime	

**Research**

Ph. D Guidance					
Supervisor / Guide ship No. :	3070044	University :	Anna University	No. of Scholars :	-
Publication*					
International Journals	:	08	National Journals	:	01
International Conference	:	28	National Conference	:	15
Project Grants (Research projects guided or undertaken/ Sponsored Projects)					
Received (Amount)	:	-	Applied (Amount)	:	-
Patent					
Published	:	01	Granted	:	-

**Books**

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

FDP		STTP		Workshop		Seminar		Others	
Attended :	12	Attended :	3	Attended :	09	Attended :	07	Attended :	-
Organized :	03	Organized :	-	Organized :	-	Organized :	1	Organized :	-

Online courses (NPTEL, MOOC etc.)	02
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**\*List of Publications :**

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.
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.
3. K. Venkatesan, R. Supriya, M. P. Kavya Bai, S. Madeswaran, R. Vidya and D. Rajan Babu, Cobalt ferrite ( $\text{CoFe}_2\text{O}_4$ ) nanoparticles for evaluation of antibacterial activity, Journal of Indian Chemical Society, Vol. 92, 2015, pp. 637 – 639.
4. K. Venkatesan and D. Rajan Babu, Influence of fuel on phase formation of  $\text{ZnFe}_2\text{O}_4$  prepared by self- propagated combustion route, AIP Conference Proceedings, 1665, 2015, pp. 050132-1 – 050132-3.
5. R Vidya and K Venkatesan, Preparation and Characterization of Zinc Ferrite ( $\text{ZnFe}_2\text{O}_4$ ) 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.
6. K. Venkatesan and D. Rajan Babu, Influence of  $\text{Cr}^{3+}$  ions on  $\text{CoFe}_2\text{O}_4$  nanoparticles to increase the magnetic behaviour by exchange anisotropy, AIP Conference Proceedings, 1731, 2016, pp. 050146-1 – 050146-3.
7. Kaliyamoorthy Venkatesan, Dhanakotti Rajan Babu and Saminathan Madeswaran, Impact of ignition temperature on particle size and magnetic properties of  $\text{CoFe}_2\text{O}_4$  nanoparticles prepared by self- propagated MILD combustion technique, Journal of Magnetism and Magnetic Materials, Vol. 418, 2016, pp. 280 – 288.
8. D. Rajan Babu and K. Venkatesan, Synthesis of nanophasic  $\text{CoFe}_2\text{O}_4$  powder by self-igniting solution combustion method using mix up fuels, Journal of Crystal Growth, Vol. 468, 2017, pp. 179 – 184.