


FACULTY PROFILE

1	Name	:	Dr. Sagar S		
2	Designation	:	Professor of Physics		
3	Date of Birth	:	20-04-1976		
4	Phone No. & Email ID	:	9846676513 ; sagargcw@gmail.com		
5	Highest Qualification	:	Ph. D.		
6	Specialization	:	Magnetic Materials		
7	Academic Performance	:			
	Qualifications	Board/University	Institute and place where studied	Year of pass	Class or % of marks
	M. Sc. Physics	University of Kerala	M. G College, TVPM	1998	First (67 %)
	B. Ed	University of Kerala	Karmela Rani Training College, Kollam	1999	First (65%)
	NET - JRF	CSIR		2002	
	Ph.D. in Physics	CUSAT	Dept. of Physics, CUSAT	2011	

8	Date of Joining at Govt. College	:	27.06.2007
9	Status as on date of Joining	:	Assistant Professor in Physics
10	Salary as on date of Joining	:	UGC
11	Date of Joining in this institution	:	05.07.2025

12. Experience / Service before Joining

Designation	Place of Appointment	Teaching/Research Experience	Experience in years
Guest Lecturer in Physics	D. B College, Sasthamcottah	Teaching	1
Lecturer in Physics	Shree Vidyadhiraja Arts and Science College, Karunagappally	Teaching	3
Research Scholar	Dept. of Physics, CUSAT	Research	4
Scientific Assistant	State Forensic Science Laboratory, TVPM		6 months

13. PhDs produced: 3

14. Publications

1. 'Room temperature magnetoelectric effect in $\text{Sr}_2\text{FeNbO}_6$ perovskite: A theory supported experimental investigation'; *Journal of Solid State Chemistry*; (2023) 327, 124286
2. 'Unravelling the structural, dielectric, magneto dielectric, multiferroic, and magnetic properties of $(1-x)\text{LiNbO}_3-x\text{La}_{0.9}\text{Na}_{0.1}\text{MnO}_3$ ($x=0.1, 0.2, \text{ and } 0.3$) nanocomposite materials'; *Applied Physics A* (2023) 129:598
3. 'Enhancement of dielectric, ferroelectric and multiferroic properties $(1-x)\text{LiNbO}_3-(x)\text{La}_{0.9}\text{Na}_{0.1}\text{MnO}_3$ ($x= 0.1, 0.2$ and 0.3) nanocomposite system'; *Bulletin of Material Science* [2023] 46:158
4. 'Studies on the multifunctional properties of leadfree $(1-x)\text{BiFe}_{0.9}\text{Mn}_{0.1}\text{O}_3/x\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ ($x =0, 0.05, 0.1$) multiferroic composites'; *Applied Physics A* (2022) 128:524
5. 'The influence of Ti doping at the Mn site on Magnetoresistance and Thermopower Properties of $\text{Sm}_{0.6}\text{Sr}_{0.4}\text{MnO}_3$ '; *Journal of Superconductivity and Novel Magnetism*, (2022)35, 2381–2390
6. 'The influence of Ti Doping at the Mn Site on Magnetoresistance and Thermopower Properties of $\text{Nd}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$ '; *Physics of the Solid State* (2022) Vol 64, No 6.
7. 'The influence of Ti doping at the Mn site on structural, magnetic, and magneto-caloric properties of $\text{Sm}_{0.6}\text{Sr}_{0.4}\text{MnO}_3$ '; *Journal of Solid State Chemistry*; (2022) 305, 122712
8. 'On the magnetic and magnetoelectric coupling properties of lead-free $(1-x)\text{Bi}_{0.9}\text{La}_{0.1}\text{FeO}_3/x\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ ($x = 0, 0.1, 0.2$) composites at room temperature'; *Journal of Materials Science: Materials in Electronics* (2021) 32, 27073-27083
9. 'Investigations on Optical and Magnetodielectric Properties of Lead-Free Multiferroic $\text{Bi}_{0.9}\text{La}_{0.1}\text{FeO}_3$ and its Composite $(0.9)\text{Bi}_{0.9}\text{La}_{0.1}\text{FeO}_3/(0.1)\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ at Room Temperature'; *Journal of Materials Science: Materials in Electronics* (2021) 32, 27073-27083
10. 'An investigation on the effect of Ti doping at the Mn site on structural magnetic and magnetocaloric properties of $\text{Nd}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$ '; *Materials Research Bulletin* (2022) 145, 111512
11. 'Investigations on structural, ferroic and magneto-dielectric properties of multiferroic $\text{Bi}_{0.9}\text{Sm}_{0.1}\text{FeO}_3$ and its composite $(0.9)\text{Bi}_{0.9}\text{Sm}_{0.1}\text{FeO}_3/(0.1)\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ '; *Journal of Materials Science: Materials in Electronics* (2021) 32, 11640-11648
12. 'A study on the thermopower and resistivity properties of Ti doped manganites $\text{Gd}_{0.7}\text{Sr}_{0.3}\text{Mn}_{1-x}\text{Ti}_x\text{O}_3$ ($x = 0, 0.1$ and 0.15)'; *Materials Today: Proceedings* 47(2021) 1829-1834

13. 'Dielectric and magnetoelectric coupling properties of Lead-free $(1-x) \text{Bi}_{0.9}\text{Sm}_{0.1}\text{FeO}_3 / (x) \text{La}_{0.7} \text{Sr}_{0.3} \text{MnO}_3$ ($x = 0, 0.05, 0.1$) composites at room temperature'; *Materials Today: Proceedings* 47(2021) 1755-1759
14. 'A study on spin memory, nature of magnetic transition, and magnetocaloric effect in $\text{Nd}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$ '; *Journal of Magnetism and Magnetic Materials* (2021) 528, 167810
15. 'A study on the magnetocaloric effect in Ti doped manganites $\text{Gd}_{0.7}\text{Sr}_{0.3}\text{Mn}_{1-x}\text{Ti}_x\text{O}_3$ ($x = 0, 0.1$ and 0.15)'; *Journal of Magnetism and Magnetic Materials* [2019] 471, 537-543
16. 'Dielectric properties and conductivity of (ZnO / CdO) Mixed Oxide Nano composite'; *Journal of Magnetism and Magnetic Materials* [2019] 471, 537-543
17. 'On magnetic ordering in heavily sodium substituted hole doped lanthanum manganites'; *Journal of Magnetism and Magnetic Materials* [2015] 391, 75-82
18. 'On the conduction mechanism in the paramagnetic phase of Gd based manganites'; *Bulletin of Material Science* [2012] 35 (1), 41 – 45
19. 'Colossal thermoelectric power in Gd-Sr manganites'; *EPL* [2010] 91, 17008
20. 'Multiferroic Behavior of Gd Based Manganite'; *Ferroelectrics* [2009] 392 (1), 13-19
21. 'Mechanism of ac conduction in nanostructured manganese zinc mixed ferrites'; *Journal of Physics D Applied Physics* [2009] 42, 165005
22. 'Dielectric studies of nanocrystalline nickel–cobalt oxide'; *Physica B: Condensed Matter* [2007] 399, 1-8
23. 'Evidence for the existence of multiple equilibrium states in cobalt phthalocyanine tetramer: a study by dielectric spectroscopy'; *Journal of Physics D Applied Physics* [2006] 39, 1678-1683