

Resume



- **Name:** Dr. S. D. More
- **Qualification:** M.Sc. Ph.D. (Physics)
- **Specialization:** Electronics
- **Designation:** Professor & Head, Department of Physics
Deogiri College, Chhatrapati Sambhajinagar
- **Teaching Experience:** 31 Years
- **Email id:** sdm.5200@gmail.com
- **Contact number:** 9823883133
- **Research area of interest:** Material Science
- **Number of publications:** 46
- **Number of books:** 05
- **Total number of google scholar citations:** 1147
- **h- index:** 13
- **i10 index:** 13
- **Research Students:**
 - Working: 03
 - Awarded: 01

Details of Research guidance

Sr. No.	Name of scholar	Title	Date of Registration	Name of supervisor	Status
1.	Mr H.A.Kulkarni	Supercapacitive Evaluation of Nanostructured Spinel Ferrite Based Electrode Materials for Energy Storage Device Application	01-10- 2021	Dr. S.D.More	In Progress
2.	Mr J.A.Shilwant	Investigations of Electromagnetic Properties of Pure and Doped Spinel Ferrite Nanoparticles	01/01/2018	Dr. S.D.More	In Progress
3.	Mrs A.A.Wadiwale	Investigation of Physical and Magnetic Properties of Some Nanofluids	01/01/2018	Dr. S.D.More	In Progress
4	Mrs R.D.Dhudal	Influence of Synthesis Parameters on the Structural Morphological and Magnetic Properties of Spinel Ferrite	01/01/2018	Dr. S.D.More	Awarded

Details of Research publications

Sr. No.	Title of article	Name of journal	Vol no.	Issue no.	Year	Level	ISSN	Impact factor	Peer reviewed / UGC approved
1	Variation of Curie-temperature of Ni-Ti Ferrite by Using Different Techniques	Journal of Scientific Research and Technology	3	4	2025	International	2583-8660		Peer reviewed
2	Frequency dependance dielectric properties of Zn and Cr substituted copper ferrite system	Science, Technology and Development,	XIV	2	2025	National	0950-0707		Peer reviewed
3	Structural and phase study of $Co_{1-x}Zn_xFe_2O_4$ ($x = 0.8$) with electrical and magnetic analysis	IJMRSET	7	9	2024	National	2582-7219		Peer reviewed
4	Wet-chemical synthesis of $ZnFe_2O_4$ MNPs by sol-gel auto-combustion method, structural, magnetic, and DC-Electrical characterizations	IJARST	4,	1	2024	National	2581-9429		Peer reviewed
5	Cobalt ferrite: an efficient catalyst for waste water treatment	International Journal of Advances in Engineering and Scientific Research,	11	2	2024	International	2349-4824		Peer reviewed
6	Screen Printed SnO_2 Thick Films for Detection of H_2S Gas	Journal of Xi'an University of Architecture & Technology	XV		2023	International	1006-7930		Peer reviewed
7	Fe_2O_3 Loaded SnO_2 thick films developed by Screen Printing Technique for detection of NO_2 gas	Heritage Research Journal	71		2023	National	0474-9030		Peer reviewed

8	Sol-gel auto combustion produced gamma irradiated Ni _{1-x} CdxFe ₂ O ₄ nanoparticles: TGA.UV-Vis. spectra, and Raman spectroscopy	Inter national Research Journal of Engineering and Technology	10		2023	Inter national	2395-0072		Peer reviewed
9	Synthesis, Structural Characterization, and Electrical properties of Cobalt Ferrite Nanoparticles	Inter national Journal of Scientific Research in Science and Technology	11		2023	Inter national	2395-6011		Peer reviewed
10	Fourier transform infrared spectroscopy study of Cr ³⁺ ions substituted copper ferrite nanoparticles	Inter national Journal of Physics and Applications			2023	Inter national	2664-7575		Peer reviewed
11	The Structural and Optical Properties of Cofe2O4 Nanoparticles Prepared By Sol - Gel Auto-Combustion Technique	Inter national Journal of Scientific Research in Science and Technology	11	13	2023	Inter national	2395-6011		Peer reviewed
12	X-ray diffraction and infrared characterization of NiFe2O4 nanoparticles (NFNPs) prepared using dextrose assisted sol-gel auto-combustion technique	American Institute of Physics conference Proceedings,			2021	Inter-national	0094-243X	0.450	UGC approved
13	Preparation of Nickel ferrite nanoparticles & its applications in nanofluids	Advanced Materials Research	1169		2021	Inter-national	1662-8985	---	Peer reviewed

14	Role of pH on the Structural and Infrared Properties of Nickel Ferrite Nanoparticles Prepared via Sol-Gel Auto Combustion Method	Advanced Materials Research	1169		2021	Inter-national	1662-8985	---	Peer reviewed
15	<u>Frequency</u> Dependence dielectric properties of Cu-Zn nanoferrite prepared by wet-chemical co-precipitation method	Inter national Journal of recent Scientific research	12	2	2021	National	0976-3031		Peer reviewed
16	Particle Size Study of Cd-substituted Cobalt ferrite Synthesized by sol gel Auto combustion method	Inter national Journal for Innovative research in Multidisciplinary field		Special	2020	National	2455-0620		Peer reviewed
17	Influence of fuel to metal nitrate ratio on the structural properties of nickel ferrite	Journal of Physics: Conference Series	1644	1	2020	Intern ational	1742-6588	.540	UGC approved
18	Structural and Chemical Properties of ZnFe ₂ O ₄ Nanoparticles Synthesised by Chemical Co-Precipitation Technique	Journal of Physics: Conference Series	1644	1	2020	Intern ational	1742-6588	.540	UGC approved
19	Investigation on Synthesis, Structural and Electrical properties of Zn ₂₀ nc Ferrite on Gamma Irradiation	Journal of Physics: Conference Series	1644	1	2020	Intern ational	1742-6588	.540	UGC approved
20	<u>Preparation and characterisations of magnetic nanofluid of zinc</u>	Nanomaterials				Intern	2045-		Peer

	<u>ferrite for hyperthermia</u>	and Energy			2020	ational	9831	.192	reviewed
21	<u>Structural, thermal, spectral, optical and surface analysis of rare earth metal ion (Gd³⁺) doped mixed Zn–Mg nano-spinel ferrites</u>	<u>Ceramics International</u>	46	9	2020	International	0272-8842	3.83	UGC approved
22	Magnetic Characterization of Nano-Structured Cd-substituted Cobalt Nanoferrite	Our Heritage	68	12	2020	National	0474-9030	---	UGC approved
23	Recent Developments of India in the field of space science and technology	Our Heritage	68	11	2020	National	0474-9030	---	UGC approved
24	A one pot three component synthesis of Spirooxindoles using Cu nanoparticles grafted on carbon microspheres as catalyst	European Chemical Bulletin	8	5	2019	International	2063-5346		Peer Reviewed
25	Solgel auto combustion synthesis and characterizations of cobalt ferrite nanoparticles :Different fuels Approach	Materials Science & Engineering B	248		2019	International	0921-5107	3.507	UGC approved
26	Evaluation of thermal conductivity of the NiFe ₂ O ₄ ferrofluids under influence of magnetic field	American Institute of Physics conference Proceedings	2115	1551-7616	2019	International		-----	UGC approved

27	Exploration of thermo acoustics behavior of water based nickel ferrite nanofluids by ultrasonic velocity method	Journal of Materials Science			2019	Inter national	0957-4522	2.993	UGC approved
28	Structural and Magnetic Properties of Cobalt ferrite Nanoparticles	Journal of Applied Science And Computations	6	1	2019	Inter national	1076-5131	----	UGC approved
29	Sol-gel Auto combustion Synthesis Structural and Magnetic Properties of MnDoped Zno Nanoparticles	Procedia Manufacturin g	20		2018	Inter national	2351-9789	2.43	UGC approved
30	Enhancement in Physical Properties of CD substituted Copper Ferrite.	World Journal of Pharmaceutic al Research	7	12	2018	Inter national	2277-7105	---	UGC approved
31	Effect of magnesium substitution on the structural, morphological, optical and wettability properties of cobalt ferrite thin films	Physica B: Condensed Matter	555		2018	Inter national	0921-4526	1.453	UGC approved
32	Enhancement in surface area and magnetization of CoFe ₂ O ₄ nanoparticles for targeted drug Delivery application.	American Institute of Physics conference Proceedings			2018	Inter national	0094-243X	---	UGC approved
33	Pyrolytic Spray Deposition and Characterization of Nanocrystalline Cobalt FerriteThin	Journal of emerging technologies And innovative research	5	12	2018	Inter national		----	UGC approved

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34	Structural and Magnetization Behaviour in Magnetically Diluted Nickel Ferrite at Nanoscale	International Research Journal of Science and Engineering	A1	Special Issue	2017	International	2322-0015	-----	UGC approved
35	Structural behavior of Cd-substituted cobalt ferrite nanoparticles	International journal of Advanced Research in Basic and Applied Sciences		Special Issue	2017	International	2394-4072	-----	UGC approved
36	Cation distribution studies on sol-gel synthesized Co-Zn spinel ferrite nanoparticles,	International Jr. of advanced research in basic and applied sciences	2	1	2015	International	2394-4072		Peer reviewed
37	Structural and infrared properties of MgFe _{1.8} Cr _{0.2} O ₄ :i mpact of synthesis route	International Jr. of advanced research in Basic and applied sciences	2	1	2015	International	2394-4072	-----	Peer reviewed
38	Effect of tartaric acid as a fuel on the synthesis and structural characterization of cobalt ferrite nanoparticles	International Jr. of advanced research in basic and applied sciences	2	1	2015	International	2394-4072	-----	Peer reviewed
39	Synthesis and characterization of copper ferrite nanoparticles by wet chemical Co-precipitation technique	International Jr. of advanced research in basic and applied sciences	2	1	2015	International	2394-4072	-----	Peer reviewed
40	Synthesis, Structural and Infrared Spectral Studies on Copper Ferrite Nanoparticles	Science Park Research Journal			2014	National	2321-8045	----	Peer reviewed

41	Influence of Chromium substitution on the magnetic properties of Copper ferrite Nanoparticles.	Bionano Frontier	6	4	2013	National	0974-0678	----	Peer reviewed
42	Role of Cr ³⁺ substitution on electrical and dielectric behavior of Cu- ferrite Nanoparticles	Inter national Journal of Engineering and Advanced Technology	3	2	2013	Internati onal	2249-8958	-----	Peer reviewed
43	Effect of aluminium on structural and magnetic properties of Y _{2.8} Eu _{0.2} Fe _{5x} Al _x O ₁₂ Garnet	Indian Streams Research Journal	3	3	2013	Natio nal	2230-7850	---	Peer reviewed
44	Effect of Zinc substitution on structural and elastic properties of cobalt ferrite	Journal of alloys and compounds	488		2010	Inter nati onal	0925-8388	2.67	UGC approved
45	Development of nanosize nickel ferrite and effect of sintering temperature on the structural properties of nanosize nickel ferrite	Journalof Bionano Frontier		Speci al Issue	2010	Nati onal	0974-0678	---	Peer reviewed
46	Synthesis and characterizat ion of Nano crystalline Cu-Zn spinelferrites	Journal of Bionano Frontier		Speci al Issue	2010	Nati onal	0974-0678	----	Peer reviewed

Research projects completed

Sr. No.	Title of project	Sponsored by	Agency	Period	Amount	Status
1	Preparation and Characterization of Metal Oxide Nanofluids for Heat Transfer Applications	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	2018-2019	RS 35,000	Completed

Chapters published in books

Sr. No.	Name of teacher / author	Title of book	Title of chapter	Publisher	Year of publication	ISBN
1	Dr S.D.More	Current Research in Science and Technology	Various Techniques to Study the Magnetic Properties of Ferrite Material	Rushi Publication	2025	978-81-961555-0-6
2	Dr S.D.More	Interdisciplinary Research in Science and Technology	Dielectric Measurement Studies of $Cu_{1-x}Zn_xFe_2O_4$	Rushi Publication	2024	978-81-961555-0-6
3	Dr S.D.More	Advanced research in Science and technology	Structural and Magnetic study of Copper ferrite Nanoparticles	Rushi Publication	2023	978-81-961555-0-6
4	Dr S.D.More	Objective Physics	Elasticity 8-13	Rushi Publication	2022	978-81-929628-3-2
5	Dr S.D.More	The Science of Energy	Elastic Energy	Rushi	2020	978-81-929628-3-2

Books published

Sr No.	Name of teacher / author	Title of Book with no. of papers	Publisher Name	ISBN
1	S.D.More	Properties of Matter Alchemy of Substances	Lambert Publishers	978-620-7-45524-9