



- **Name:** Dr. S. D. More
- **Qualification:** M.Sc. Ph.D.
- **Specialization:** Electronics
- **Designation:** Assistant Professor & Head, Department of Physics
- **Experience:** 11 Years
- **Email id:** [sdm.5200@gmail.com](mailto:sdm.5200@gmail.com)
- **Contact number:** 9823883133
- **Research area of interest:** Material Science
- **Number of publications:** 30
- **Number of books:** 01
- **Total number of google scholar citations:** 286
- **h- index:** 8
- **i10 index:** 7

**Research students: Working: 03**

**Awarded: 00**

### Details of Research guidance

Sr. No.	Name of scholar	Title	Date of Registration	Name of supervisor	Status
1.	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	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

### Details of Research publications

Sr. No.	Title of article	Authors	Name of journal	Vol no.	Issue no.	Year	Level	ISSN	Impact factor	Peer reviewed / UGC approved
1	Influence of fuel to metal nitrate ratio on the structural properties of nickel ferrite	R. D. Dudhal S Patade, D Andhare, R Paralikar, R Chilwar, S D More	Journal of Physics: Conference Series	1644	1	2020	International	1742-6588	.540	UGC approved
2	Structural and Chemical Properties of ZnFe <sub>2</sub> O <sub>4</sub> Nanoparticles Synthesised by Chemical Co-Precipitation Technique	D. D. Andhare S A Jadhav, M V Khedkar, Sandeep B. Somvanshi S. D.More K M Jadhav	Journal of Physics: Conference Series	1644	1	2020	International	1742-6588	.540	UGC approved
3	Investigation on Synthesis, Structural and	Santosh Kalunge A. V. Humbe, M.V. Khedkar,	Journal of Physics: Conference	1644	1	2020	International	1742-6588	.540	UGC approved

	Electrical properties of Zinc Ferrite on Gamma Irradiation	S. D. More, A. P.Keche A. A. Pandit	Series							
4	<u>Preparation and characterisations of magnetic nanofluid of zinc ferrite for hyperthermia</u>	S.R.Patade,, D.D.Andhare S.B.Somwanshi, P.B.Khaarat, S.D.More, K.M.Jadhav	Nanomaterials and Energy			2020	International	2045-9831	.192	Peer reviewed
5	<u>Structural, thermal, spectral, optical and surface analysis of rare earth metal ion (Gd<sup>3+</sup>) doped mixed Zn–Mg nano-spinel ferrites</u>	S.B.Somwanshi S.A.Jadhav, M.V.Kheddkar, P.B.Kharat, S.D.More, K.M.Jadhav	<u>Ceramics International</u>	46	9	2020	International	0272-8842	3.83	UGC approved
6	Magnetic Characterization of Nano-Structured Cd-substituted Cobalt Nanoferrite	C.M.Kale, S.D.More, S.K.Vyawahare K.M.Jadhav	Our Heritage	68	12	2020	National	0474-9030	---	UGC approved
7	Recent Developments of India in the field of space science and technology	C.M.Kale, S.D.More	Our Heritage	68	11	2020	National	0474-9030	---	UGC approved
8	A one pot three component synthesis of	N.S.Kaminwar S.B.Patwari,	European Chemical Bulettein	8	5	2019	International	2063-5346		Peer Reviewed

	Spirooxindoles using Cu nanoparticles grafted on carbon microspheres as catalyst	S.P.Goskulwad S. D. More, S.K.Vyawahare T. Pasinszki, L.Kotai, R. P. Pawar							-----	
9	Solgel auto combustion synthesis and characterizations of cobalt ferrite nanoparticles :Different fuels Approach	V.R.Bhagwat, A.V.Humbe, S.D.More, K.M. Jadhav	Materials Science & Engineering B	248		2019	Inter national	0921-5107	3.507	UGC approved
10	Evaluation of thermal conductivity of the NiFe <sub>2</sub> O <sub>4</sub> ferrofluids under influence of magnetic field	P. B. Kharat, S.A. Jadhav, S S. Deshmukh, A. P. Keche, S. D. More, M. N. Sarnaik, K.M. Jadhav	American Institute of Physics conference Proceedings	2115	1551-7616	2019	Inter national		-----	UGC approved
11	Exploration of thermo acoustics behavior of water based nickel ferrite nanofluids by ultrasonic velocity method	P B. Kharat · S. D. More S.B.Somvanshi · K. M. Jadhav	Journal of Materials Science			2019	Inter national	0957-4522	2.993	UGC approved
12	Structural and Magnetic Properties of Cobalt ferrite Nanoparticles	C. M. Kale, M. K. Babrekar, S. D. More, S. J. Shukla	Journal of Applied Science And Computations	6	1	2019	Inter national	1076-5131	----	UGC approved
13	Sol-gel Auto combustion Synthesis Structural and Magnetic Properties of MnDoped ZnO Nanoparticles	S.D.Birajdar, R.C.Alange, S.D.More, V.D.Murumkar, K.M.Jadhav	Procedia Manufacturin g	20		2018	Inter national	2351-9789	2.43	UGC approved

14	Enhancement in Physical Properties of CD substituted Copper Ferrite.	C.M.Kale, S.D.More, M.K.Babrekar, S.J.Shukla	World Journal of Pharmaceutical Research	7	12	2018	International	2277-7105	---	UGC approved
15	Effect of magnesium substitution on the structural, morphological, optical and wettability properties of cobalt ferrite thin films	G.L.Jadhav, S.D.More, C.M.Kale, K.M. Jadhav,	Physica B: Condensed Matter	555		2018	International	0921-4526	1.453	UGC approved
16	Enhancement in surface area and magnetization of CoFe <sub>2</sub> O <sub>4</sub> nanoparticles for targeted drug Delivery application.	S.B.Kale, S B. Somvanshi, M. N. Sarnaik, S. D. More, S. J. Shukla, K. M. Jadhav	American Institute of Physics conference Proceedings			2018	International	0094-243X	---	UGC approved
17	Pyrolytic Spray Deposition and Characterization of Nanocrystalline Cobalt FerriteThin Film.	G.L.Jadhav, S.D.More, M.K.Babrekar C.M.Kale,	Journal of emerging technologies And innovative research	5	12	2018	International		----	UGC approved
18	Structural and Magnetization Behaviour in Magnetically Diluted Nickel Ferrite at Nanoscale	S.S.Deshmukkh, A.V.Humbe, Keche Atul, Patil Manisha, More.S.D, Shukla.S.J, Jadhav.K.M	International Research Journal of Science and Engineering	A1	Special Issue	2017	International	2322-0015	-----	UGC approved

19	Structural behavior of Cd-substituted cobalt ferrite nanoparticles	C.M.Kale, S.D.More, M.K.Babrekar, J.S.Kounsalye, S.J.Shukla	International journal of Advanced Research in Basic and Applied Sciences		Special Issue	2017	International	2394-4072	-----	UGC approved
20	Cation distribution studies on sol-gel synthesized Co-Zn spinel ferrite nanoparticles,	R.B.Aurade, Shankar.D.Birajdar, S.D.More, U.B.Shinde, A.A.Pandit	International Jr. of advanced research in basic and applied sciences	2	1	2015	International	2394-4072		Peer reviewed
21	Structural and infrared properties of $MgFe_{1.8}Cr_{0.2}O_4$ : impact of synthesis route	A.P.Keche, M.N.Sarnaik, L.B.Jadhavar, S.D.More, S.J.Shukla	International Jr. of advanced research in basic and applied sciences	2	1	2015	International	2394-4072	-----	Peer reviewed
22	Effect of tartaric acid as a fuel on the synthesis and structural characterization of cobalt ferrite nanoparticles	G.H.Kale, S.S.Jawale, S.R.Kamble, S.D.More, M.N.Sarnaik	International Jr. of advanced research in basic and applied sciences	2	1	2015	International	2394-4072	-----	Peer reviewed
23	Synthesis and characterization of copper ferrite nanoparticles by wet chemical Co-precipitation technique	S.D.More, V.G.Patil, P.M.Kshirsagar, S.J.Shukla, R.G.Vidhate, M.N.Sarnaik	International Jr. of advanced research in basic and applied sciences	2	1	2015	International	2394-4072	-----	Peer reviewed
24	Synthesis, Structural and Infrared Spectral Studies on Copper Ferrite Nanoparticles	M.R.Patil, S.D.More, M.N.Sarnaik, P.M.Kshirsagar, A.P.Keche, S.J.Shukla, K.M.Jadhav	Science Park Research Journal			2014	National	2321-8045	----	Peer reviewed

25	Influence of Chromium substitution on the magnetic properties of Copper ferrite Nanoparticles.	S.D.More, P.P.Khirade, C.M.Kale, M.N.Sarnaik, S.J.Shukla, K.M.Jadhav	Bionano Frontier	6	4	2013	National	0974-0678	----	Peer reviewed
26	Role of Cr <sup>3+</sup> substitution on electrical and dielectric behavior of Cu- ferrite Nanoparticles	S.D.More, C.M.Kale, A.B.Shinde, K.M.Jadhav	International Journal of Engineering and Advanced Technology	3	2	2013	International	2249-8958	-----	Peer reviewed
27	Effect of aluminium on structural and magnetic properties of Y <sub>2.8</sub> Eu <sub>0.2</sub> Fe <sub>5x</sub> Al <sub>x</sub> O <sub>12</sub> Garnet	S.S.Jawale, C.M. Kale, S.D.More, B .V.Nalle,	Indian Streams Research Journal	3	3	2013	National	2230-7850	---	Peer reviewed
28	Effect of Zinc substitution on structural and elastic properties of cobalt ferrite	V.G.Patil, S.E.Shirsat, S.D.More, S.J.Shukla, K.M.Jadhav	Journal of alloys and compounds	488		2010	International	0925-8388	2.67	UGC approved
29	Development of nanosize nickel ferrite and effect of sintering temperature on the structural properties of nanosize nickel ferrite	M.R.Patil, M.L.Mane, P.K.Gaikwad, S.D.More, V.B.Kawade, K.M.Jadhav	Journal of Bionano Frontier		Special Issue	2010	National	0974-0678	---	Peer reviewed

30	Synthesis and characterization of Nano crystalline Cu-Zn spinelferrites	S.D.More, S.E.Shirsat, A.B.Shinde, S.P.Jadhav, D.R.Shengule, K.M.Jadhav	Journal of Bionano Frontier		Special Issue	2010	National	0974-0678	----	Peer reviewed
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#### 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	The Science of Energy	Elastic Energy	Rushi	2020	978-81-929628-3-2