



- **Name:** Dr. Patil Manisha R.
- **Qualification:** M.Sc. B.Ed., Ph.D.
- **Specialization:** Solid state Physics
- **Designation:** Assistant Professor
- **Experience:** 9 Years
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- **Research area of interest:** Material science

Details of Research publications:-

Sr. No.	Title of article	Authors	Name of journal	Vol no.	Issue no.	Year	Level	ISSN	Impact factor	Peer review / UC approved
1.	Synthesis of copper ferrite by sol gel auto combustion method of metal nitrate to fuel ratio on structural properties	Patil M.R. , Dr. Jadhav K.M.	102th Indian Science Congress	--	--	1/1/2015	International	--	--	Peer Review
2.	Development of nanosize nickle ferrite and effect of sintering temperature on the structural properties of nanosize nickle ferrite	Patil M.R., Mane M.L., Gaikwad P.K., More S.D., Kawade V.B. , Dr.Jadhav K.M.	Bionano Frontier	--	--	6/8/2010	International	0974-0678	--	Peer Review
3.	Laser irradiation induced modification in structural and magnetic behaviour of nanocrystalline lithium ferrite	Mane M.L. Dhage V.N. Babrekar M.K. Patil M.R. Dr.Jadhav K.M.	SLSNT	--	--	1/1/2009	National	--	--	Peer Review
4.	Synthesis, structural and infrared spectral studies on copper	Patil M.R. More S.D.	Science park research	-	--	29/1/2015	International	2321-	1.62	Peer Review

	ferrite nanoparticles.	Sarnaik M. N. Kshirsagar P.M. Keche A.P. Shukla S.J. Dr.Jadhav K.M.	journal					8045		
5.	Synthesis of nanocrystalline nickel zinc ferrite spinel ferrite functional material	Jadhav S.P. Mote J.B. Dhole V.V. Sarnaik M. N. Rajenimbalkar V.S. Patil M.R.	IJARBAS	1	1	Dec. 2014	International	2394-4072	-	Peer Review
6.	Structural and Magnetization behaviour in magnetically diluted nickel ferrite at nanoscale	Deshmukh S.S. Humbe A. Keche A.P. Patil M.R. More S.D. Shukla S.J. Dr.Jadhav K.M.	Journal of science and engineering	-	-	Dec. 2017	International	2322-0015	4.11	Peer Review
7.	Effect of Magnesium doping on structural and magnetic properties of cobalt ferrite nanoparticles	Kale S.B. Borade R. Sarnaik M. N. Rajenimbalkar V.S. Patil M.R. Dr.Jadhav K.M.	105 th Indian Science Congress	--	--	4/10/2017	International	--	--	Peer Review
8.	Dielectric behaviour of magnesium ferrite nanocrystals	Keche A.P. Patil M.R. More S.D. Sarnaik M. N. Shukla S.J.	NCRTDMS	-	-	16/12/ 2017	National	978-81-92-96-28-4-6	-	Peer Review
9.	Influence of particle size on structure and magnetic properties of cadmium ferrite nanoparticles	Keche A.P. Humbe A. Deshmukh S.S. Patil M.R. Sarnaik M. N. Shukla S.J. Dr.Jadhav K.M.	International Journal of Advance and Innovative Research	6	1	March 2019	International	2394-7780	7.36	Peer Review
10.	Analysis of electrical	Badhe S.G. Patil M.R.	--	-	--	8-3-2019	International	-	-	-

	conductivity of citric acid using impedance spectroscopy									
11.	Influence of metal nitrate to fuel ratio on the magnetic properties of Nickle Ferrite	Patil M.R. Keche A.P. Dr.Jadhav K.M.	Innovare Journal of Sciences	8	1	25/03/2020	International	2321-5496	-	Peer Review
12.	Renewable sources of energy: Merits and Demerits	Badhe S.G. Patil M.R.	Innovare Journal of Sciences	8	1	25/03/2020	International	2321-5496	-	Peer Review
13.	Structural and magnetic properties of chromium doped Magnesium ferrite nanoparticles	Keche A.P. Patil M.R. More S.D. Sarnaik M. N. Rajenimbalkar V.S. Dr.Jadhav K.M.	106 th Indian Science congress Material Science	-	-	3/01/2019	International	--		

Research projects ongoing:-

Sr. No.	Title of project	Sponsored by	Agency	Period	Amount	Status
1	Morphological study of gamma radiation on spinel structured nanomaterials	Dr. B.A.M.U. Aurangabad	Dr. B.A.M.U. Aurangabad	21-6-2019	Rs 50,000	In Progress

Co-curricular / Extracurricular / Extension activities:

Sr. no.	Name of activity	Duration	Achievement	Remark
1	Internal Test- Paper Setting	2017-18	Opportunity to work	....
2	Test Internal Assessment	2017-18	Experience	....
3	Admission Committee Member	2017-18	Experience	....
4	Member of Exam committee	2017-18	Experience	....
5	Internal Test Assessment	2018-19	Experience	....
6	Admission Committee - Member	2018-19	Experience	....
7	Internal Test- Paper Setting	2018-19	Experience	....
8	Invigilation duties	2018-19	Experience	....
9	University Exam. Paper setter	2018-19	Experience	....
10	University Exam. Assessment Examiner [Theory] Practical Examiner [Internal & External	2018-19	Experience	....
11	Affiliation committee member	2018-19	Experience	....
12	Test-Tutorial - Paper Setting	2019-2020	Experience	....
13	Test –Internal Assessment	2019-2020	Experience	....
14	Admission Committee – Member	2019-2020	Experience	....
15	M.Sc. Practical Examiner [Internal	2019-2020		
16	University Exam. Paper setter	2019-2020		
17	Test-Tutorial - Paper Setting	2019-2020	Experience	....
18	Test –Internal Assessment	2019-20	Experience	....
19	Admission Committee – Member	2019-20	Experience	....
20	Linkages, Collaboration and MoUs	2019-20	Opportunity to work	....

Area of consultancy:

Sr. no.	Name of teacher	Area of research / specialization	Specific area of consultancy	Remark
1	Dr. Patil M.R.	Material Science	---	....