



1. Name :Dr. Ketaki Ketan Patankar

Associate Professor, Department of Physics,
Rajaram College, Kolhapur,
Near Shivaji University, Old PB road, Vidyanagar Kolhapur. 416004
https://www.poetrysoup.com/poem/lit_a_light_1710241

2. Date of Birth: 05 August 1970

3. Qualification: M.Sc.,PGDCS, Ph.D.

4. Email ID: ketakiketab@gmail.com, Ketaki.p30@gov.in

5. Specialization: Solid state Physics, Material Science: magnetic nanomaterials, Multiferroics, Ferroelectricity, Dielectrics and Composites

6. Work experience:

1. Undergraduate: 22 years

2. Postgraduate: 04years

3. Research Experience: 20 years


7. Awards and Prizes

- 1. Award of DST New Delhi JRF fellowship in 1997** under the mentorship of Prof. S.A. Patil, Physics department, Shivaji University, Kolhapur
- 2. Award of DST New Delhi SRF fellowship in 1999** under the mentorship of Prof. S.A. Patil, Physics department, Shivaji University, Kolhapur
- 3. Award of SRF Extd Fellowship from DST New Delhi** in July 2000.
- 4. Award of CSIR New Delhi SRF (EXtd) fellowship in 2002** under the mentorship of Dr. B. K. Chougule, Physics Department, Shivaji University Kolhapur.
- 5. Award of CSIR New Delhi Research associateship fellowship in 2003** under the mentorship of Dr. B. K. Chougule, Physics Department, Shivaji University Kolhapur.
- 6. Master Trainer Award for teacher training workshop from MSFDA and IISER Pune**


8.Publications :Paper published in peer reviewed journal of high impact factor: Click on the follow links for research papers



• **Orcid Id** [0000-0002-0429-630X](https://orcid.org/0000-0002-0429-630X) <https://orcid.org/0000-0002-0429-630X>

-  **Scopus Id**[6603917790](#)
[Patankar, Ketaki K. - Author details - Scopus Preview](#)

-  **Researcher Id**[AAO-9237-2021](#)

-  **Google Scholar Id**[x-k9PIYAAAAJ](#)
[Ketaki Ketan Patankar - Google Scholar](#)

9. Papers presented in **Conferences and Workshops attended: 50**

10 Best poster award :2 and Best oral Presentatrion award :1

10 Membership in Professional bodies:

- 1)From 2013 to till date : Invited BOS member from Other University in Physics subject at RLS Institute Belgaum.
- 2)From 2021 to till date :Invited BOS Member from Other University Member at RP college Osmanabad
- 3)2021: Life member of Indian Association of Physics teachers
Member
- 4) From 2016 to till date : BOS Chairman in Astrophysics and Space science Subject
Member at Shivaji University, Kolhapur.
- 5) Regional Nodal officer for MOOC courses on online platform of IIRS, Dehradun : ISRO Project.
- 6) Regional Co-ordinator for MOOC courses on online Platform Spoken Tutorials of IIT Powai
- 7) College Co-ordinator for Online Platform for International MOOC Platform Coursera on Campus.

11 Research Projects Completed and ongoing:

Sr · N o.	Title of Project	Sponsored Agency	Date of Comp letion	Whether Co-PI or PI	Grant Received (Rs.)	Completed / Ongoing
1	Development of smart ME materials as transducers for electric power generation	UGC New Delhi	31/01/ 2013	PI	9,72,800/-	Completed
2	Synthesis and Characterization of rare earth doped Cobalt nano ferrites for their applications in electronic and biomedical applications	UGC-DAE- CSR BARC, Mumbai	30/06/ 2019	PI	10,52,013/-	Completed
3	Synthesis of Microwave sintered ferrites from different chemical routes for application in power generation and surface mounting technology	UGC, New Delhi	30/06/ 2018	Co-PI	8,79,000/-	Completed
4	Synthesis and characterization of spinel ferrite materials to study their resistive switching performances for RRAM.	Mumbai University Minor Research Project	31/12/ 2021	Co-PI	50,000/-	Completed

5	Magnetoelectric Interaction in Substitutional solid solutions of Ferrites and Chromites	UGC-DAE-CSR Indore	1/04/23	PI	45000/-Per year	Ongoing

12 Books and Book Chapter Authored or Edited:

Sr. No.	Title of Book with Page Nos.	Publisher Name & ISSN / ISBN NO.	International / National Publisher	No. of Co-Authors	Whether Principal Author / Co-Author
1	Fundamental and Industrial applications of magnetic nanoparticles	Elsevier 978-012-822819-7	International Publisher	1	Editor
2	Book Chapter Introduction to Magnetic Nanoparticles	Elsevier 978-012-822819-7	International Publisher	1	Editor
3	Memristor for next-generation surveillance system (in Press)	Next - Generation Surveillance System Using Computational Intelligence and IoT	Apple academic Press ISBN 9781032814100	1	Author

		(In press)			
4	Magnetic spinel for smart applications	"Nano Revolution: Unveiling the Future of Energy through Advanced Materials and Digital Technologies	Taylor and Francis series ISBN 9781032814100	1	Author
5	A Treatise on experiments in Thermal Physics Acoustics and Wave Optics	Blue Rose Publishers ISBN -13: 978-9356113305	National	2	Author
6	Magnetisation in Ternary Spinel Ferrites	International Lulu Publication 978-1-79472-264-4	International	1	Co-author
7	#Chandrayaan India's mission to Moon: Step toward Success	Swachhand Publications Kolhapur 978-93-83797-55-9	National	Chief Editor	Editor

13 Innovative Work :

Publication of Poems on Physics: Links

https://www.poetrysoup.com/poem/mr_light_1261659

https://www.poetrysoup.com/poem/exotic_electrons_1275616

https://www.poetrysoup.com/poem/vector_1285210

https://www.poetrysoup.com/poem/sound-i_1290008

https://www.poetrysoup.com/poem/sound_ii_1293463

https://www.poetrysoup.com/poem/sound_-iii_1293464

https://www.poetrysoup.com/poem/transport_phenomena_1557380

https://www.poetrysoup.com/poem/lit_a_light_1710241

14 Reviewer for Elsevier and Springer Journals and AIP Proceedings

15 . Government Nominee: BEd CET and 5 Yrs LLB

16. Examiner for Shivaji University's Avishkar Competition.

17 College Committees : Co-Coordinator of IQAC Cell, Co-ordinator of Research Criterion Coordinator, UGC Committee, Science Association Committee, New courses Implementation .

18 Funding Procured for Organizing Seminars and Workshops in College:

1 CSIR New Delhi : 20,000/- (year 2024) 2. IR Technologies : 20.000/- (year 2024)

3 IAPT (RC-06) : 5000/- (2023) 4 Shivaji University, Kolhapur : 10000/- (2019)

5. MSFDA : 70,000/-