

Bio-Data

1. Name : Dr. Smita Anandrao Lokare
2. Academic Qualification : M.Sc., Ph. D.
3. College/Institute : Anantrao Pawar College,
Pirangut Where Employed Tal: Mulshi, Dist: Pune
Pin: 412115
4. Date of Joining : 25th September 2012
5. Designation : Assistant Professor
6. Address : Rushikesh Dangat Garden 2, Flat No. 2,
Wadgaon Budruk, Pune Dist: Pune,
Maharashtra, Pin - 411041
7. E-mail : lokaresmita@gmail.com
8. Mobile No. 9552504184
9. Birth Date : 13th May 1982
10. . Nationality : Indian
11. Category : S.C.

12. Educational Qualification

Name of Degree	Board / University	Year of Passing	Class Obtained	% Of Marks	Subject
S.S.C.	Kolhapur	1997	I st	70.60	-
H.S.C.	Kolhapur	1999	I st	67.83	PCMB
B.Sc.	Shivaji University, Kolhapur	2002	I st	83.34	Physics
M. Sc.	Shivaji University, Kolhapur	2004	I st	69.88	Physics

Ph.D	Shivaji University, Kolhapur	2007	-	-	Preparation, Characterization and Studies on Electrical and Magnetic Properties of $Ni_{(0.95-x)}CoMn_{0.05}Fe_2O_4+BaTiO_3$ ME Composite”
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13. Teaching Experience : 8 years
Subject Taught :

Sr. No	Class	Subject Taught
1.	F.Y. B. Sc	Heat and Thermodynamics
		Mechanics
2	S. Y. B. Sc	Mathematical Physics
		Wave, Oscillation and Sound
3	T. Y. B. Sc	Mathematical Physics
		Classical Mechanics
		Thermodynamics and statistical Physics
		Quantum Physics
		Atomic and Molecular Physics
		Electronics

14. . Research Experience : 3 Years

15. Academic :

16. Member of : Nil

17. Books Published : Nil

18. Refresher / Orientation Courses:

- Completed Science Academies “Refresher course in Experimental Physics” at Department of Physics, Vidya Pratishthan’s Arts, Science and Commerce College, Baramati, MS – 413 133 on 14th to 29th May 2013.
- Completed general orientation programme conducted at the UGC- Human Resource Development centre, Savitribai Phule Pune University, Pune from 18/04/2016 to 15/05/2016 and obtained A grade.
- Completed general Refresher programme conducted at the UGC- Human Resource Development centre, Savitribai Phule Pune University, Pune from 25/11/2018 to 16/11/2018 and obtained B grade

- Completed online Faculty Development Programme on “ICT Tools for Effective Teaching Learning” at School of Mathematical Sciences, Swami Ramanand Teerth Marathwada University, Nanded from 11/05/20 to 16/05/20.

19. Research :

Completed minor research project entitled “Studies on Electrical and Magnetic properties Of (X) $\text{Ni}_{0.94}\text{Co}_{0.01}\text{Mn}_{0.05}\text{Fe}_2\text{O}_4$ + (1-X) BaTiO_3 Magnetolectric (ME) Composites” funded by BCUD, Savitribai Phule Pune University, Pune. of an amount 2,60,000/- for academic year 2013-2015.

International Journals

1	<p>S. A. Lokare and Y. B. Khollam “Dielectric properties and magnetolectric effect of BaTiO_3-$\text{Ni}_{0.94}\text{Co}_{0.01}\text{Mn}_{0.05}\text{Fe}_2\text{O}_4$ composites” J. Chemicals and physical Sciences 3(2015) 94-101.</p>
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2	S. A. Lokare and Y. B. Kholam “Structural and electrical properties of (1-x) Ni _{0.90} Co _{0.05} Mn _{0.05} Fe ₂ O ₄ + (x) BaTiO ₃ composites ” J. Chemicals and physical Sciences 4 (2015) 60-68.
3	S. A. Lokare “Structural and electrical properties of BaTiO ₃ prepared by solid state route ” J. Chemicals and physical Sciences 4 (2015) 154-161.
4	S. A. Lokare , R. S. Devan, D. R. Patil, S. S. Chougule and B. K. Chougule “Studies on electrical properties of(x) BaTiO ₃ + (1-x) Ni _{0.92} Co _{0.03} Mn _{0.05} Fe ₂ O ₄ ME composites” J. Material Science and Engineering 18 (2007) 1211-1215
5	S. A. Lokare , D. R. Patil, and B. K. Chougule “Structural, dielectric and Magnetolectric effect (x) BaTiO ₃ + (1-x) Ni _{0.93} Co _{0.02} Mn _{0.05} Fe ₂ O ₄ ME composites” J. Alloys and Compounds 453 (2008) 58–63
6	S. A. Lokare , D. R. Patil, R. S. Devan, S. S. Chougule, Y. D. Kolekar and B. K. Chougule “Electrical conduction, dielectric behaviour and magnetolectric effect in (x)BaTiO ₃ + (1-x)Ni _{0.94} Co _{0.01} Mn _{0.05} Fe ₂ O ₄ ME composites” MaterialResearch Bulletin 43 (2008) 326–332
7	S. A. Lokare , R. S. Devan and B. K. Chougule “Structural analysis and Electrical properties of ME composites” J. of Alloys and Compounds 454 (2008) 471–475.
8	S. A. Lokare , R. S. Devan, D. R. Patil, Y. D. Kolekar, K. K. Patankar and B. K. Chougule “Electrical properties of Ni _{0.93} Co _{0.02} Mn _{0.05} Fe ₂ O ₄ + BaTiO ₃ ME Composites” J. material science –Accepted
9	S. A. Lokare , R. S. Devan, D. R. Patil and B. K. Chougule “Electrical conduction, dielectric behaviour and magnetolectric effect in (x)BaTiO ₃ + (1-x) Ni _{0.94} Co _{0.01} Mn _{0.05} Fe ₂ O ₄ ME composites” J. Phys and Chem. Solids 67 (2006) 1524–1530
10	D. R. Patil, S. A. Lokare , R. S. Devan, S. S. Chougule, Y. D. Kolekar and B. K. Chougule “Studies on electrical and dielectric properties of Ba _x Sr _{1-x} TiO ₃ J. Materials Chemistry & Physics- In Press
11	D. R. Patil, S. A. Lokare , R. S. Devan, S. S. Chougule, Y. D. Kolekar and B. K. Chougule “Dielectric properties and magnetolectric effect of (x)NiFe ₂ O ₄ +

	(1-x)Ba _{0.8} Sr _{0.2} TiO ₃ composites” J. of Physics and Chemistry of Solids 68 (2007) 1522–1526
12	R. S. Devan, S. A. Lokare , D. R. Patil, S. S. Chougule Y. D. Kolekar and B. K. Chougule “Electrical conduction and magnetoelectric effect of (x)BaTiO ₃ + (1-x)Ni _{0.92} Co _{0.03} Cu _{0.05} Fe ₂ O ₄ composites in ferroelectric rich region” J. of Physics and Chemistry of Solids 67 (2006) 1524- 1530
13	R. S. Devan, C. M. Kanamadi, S. A. Lokare and B. K. Chougule “Electrical properties and magnetoelectric effect measurement in (x)Ni _{0.8} Co _{0.2} Fe ₂ O ₄ +(1-x)Ba _{0.9} Pb _{0.1} Ti _{0.9} Zr _{0.1} O ₃ ME composites” Smart Materials and Structures - 15 (2006) 1877-1881.

Conference/Workshop Attended:

1. Worked as joint organizing secretary in State level Seminar on “Emerging Trends in Physics (ETP-2015)” organized by Anantrao Pawar College, Pirangut on 6 and 7th Feb. 2015.
2. Attended one day State Level Seminar on “Recent Trends in Material Science and applied physics” at Hutatma Rajguru Mahavidyalaya, Rajgurunagar, Pune on 5 / 01/ 2016
3. Attended two days National seminar on “ Nanotechnology: environmental, Economics, Social & Health perspectives” at Annasaheb Waghire Arts, Science and Commerce College, Otar on 22-23/01/2016
4. Participated as Resource person and attended one day workshop on the “Restructuring of T.Y. B. Sc. Physics Syllabus (Theory)” at Baburaoji Gholap College, Sangvi, Pune – 27 on 28 /01/2015.
5. Attended two days state level seminar on “ Emerging Trends in nanotechnology” Arts, Science and Commerce College, Ozar (Mig), Nashik on 23-24 /12/2014
6. Attended two days state level seminar on “ Disaster Management” at Anantrao Pawar College, Pirangut on 12,13/02/ 2014.
7. Attended two days state level seminar on “ Indian Nationalism” at Anantrao Pawar College, Pirangut on 4, 5/09/ 2013.

Conference/Workshop Paper Presented

1	D. R. Patil, R. S. Devan, S. A. Lokare , S. S. Chougule, Y. D. Kolekar and B. K. Chougule, “Dielectric behavior and magnetoelectric effect in $\text{NiFe}_2\text{O}_4 + \text{Ba}_{0.8}\text{Sr}_{0.2}\text{TiO}_3$ ME Composite” 4 th national symposium and conference on solid state chemistry and allied areas, Goa University, Goa (India) 1-3 Dec. 2005
2	R. S. Devan, S. A. Lokare , D. R. Patil, S. S. Chougule, Y. D. Kolekar and B. K. Chougule “Effect of sintering temperature on copper-cobalt substituted nickel ferrite” 4th National symposium and conference on solid state chemistry and allied areas, Goa University, Goa (India), 1st-3rd Dec., 2005
3	S. A. Lokare , R. S. Devan, D. R. Patil, S. S. Chougule, Y. D. Kolekar and B. K. Chougule “Dielectric behaviour and magnetoelectric effect in $\text{Ni}_{0.94}\text{Co}_{0.01}\text{Mn}_{0.05}\text{Fe}_2\text{O}_4 + \text{BaTiO}_3$ ME composites” 4th National symposium and conference on solid state chemistry and allied areas, Goa University, Goa (India), 1st-3rd Dec., 2005
4	R. S. Devan, S. A. Lokare , D. R. Patil, S. S. Chougule, Y. D. Kolekar and B. K. Chougule, “Resistivity dependent Magnetoelectric effect in composites of ferrite and ferroelectric Phases” national seminar on Materials for Advanced Technologies (NASMAT) Department of Physics, Shivaji University, Kolhapur, (India) 23-25 Jan 2006.
5	D. R. Patil, S. A. Lokare , R. S. Devan, S. S. Chougule, C. M. Kanamadi, Y. D. Kolekar and B. K. Chougule, “Electrical properties of $\text{NiFe}_2\text{O}_4 + (1-x)\text{Ba}_{0.8}\text{Sr}_{0.2}\text{TiO}_3$ composite” national seminar on Materials for Advanced Technologies (NASMAT) Department of Physics, Shivaji University, Kolhapur, (India) 23-25 Jan 2006.
6	S. A. Lokare , S. S. Chougule, R. S. Devan, D. R. Patil, C. M. Kanamadi, and B. K. Chougule, “Studies on Electrical Properties of $\text{Ni}_{(0.95-x)}\text{Co}_x\text{Mn}_{0.05}\text{Fe}_2\text{O}_4$ Ferrite” National seminar on Materials for Advanced Technologies (NASMAT) Department of Physics, Shivaji University, Kolhapur, (India) 23-25 Jan 2006.
7	S. A. Lokare , L. V. Lad, M. P. Ghatage, A. D. Shaikh, C. A. Watave, B. K. Chougule, “Magnetoelectric Effect and electrical properties of $(x)\text{BaTiO}_3 + (1-x)\text{Ni}_{0.9}\text{Co}_{0.05}\text{Mn}_{0.05}\text{Fe}_2\text{O}_4$ composites” National seminar on Materials for Advanced Technologies (NASMAT) Department of Physics, Shivaji University, Kolhapur, (India) 23-25 Jan 2006.

8	S. S. Chougule, S. A. Lokare , , R. S. Devan, D. R. Patil, C. M. Kanamadi B. K. Chougule, “Electrical properties and Magnetoelectric effect in (x)Ni _{0.9} Zn _{0.1} Fe ₂ O ₄ +(1-x) PZT composites” National seminar on Materials for Advanced Technologies (NASMAT) Department of Physics, Shivaji University, Kolhapur, (India) 23-25 Jan 2006.
9	S. A. Lokare , D. R. Patil, S. S. Chougule, Y. B. Kambale, B. K. Chougule, “Electrical properties and Magnetoelectric effect measured in (x) BaTiO ₃ + (1-x) Ni _{0.93} Co _{0.02} Mn _{0.05} Fe ₂ O ₄ composites” International Conference on Materials for Applications (ICAMA) Department of Physics, Shivaji University, Kolhapur, (India) 15-17 Nov 2007.
10	S. S. Chougule, N. M. Dhamal, S. A. Lokare , , B. K. Chougule, “Structural Analysis a resistivity dependence of ME effect in (x)Ni _{0.6} Zn _{0.4} Fe ₂ O ₄ +(1-x) PZT composites” International Conference on Materials for Applications (ICAMA) Department of Physics Shivaji University, Kolhapur, (India) 15-17 Nov 2007.
11	Y. B. Kamble, S. S. Chougule, S. A. Lokare , D. R. Patil, B. K. Chougule, “Structural Analysis and dielectric studies of (y) Co _{0.9} Cd _{0.1} Fe ₂ O ₄ + (1-y) PZT ME Composites” International Conference on Materials for Applications (ICAMA) Department of Physics Shivaji University, Kolhapur, (India) 15-17 Nov 2007

I hereby declare that all the information given above is correct to the best of my knowledge.

Dr. Smita A. Lokare

Date: