

CURRICULUM VITAE

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44, NRI Villas, Shivdas Park,
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PROFESSIONAL SYNOPSIS

- Eleven years of experience in academia and research.

ACADEMIC DETAILS

Examination Passed	Board/ University	Group/ Subject	Class/Grade	Year of Passing
Ph.D.	North Maharashtra University, Jalgaon	Physics	--	2014
M.Phil.	North Maharashtra University, Jalgaon	Physics	O	2008
M.Sc.	North Maharashtra University, Jalgaon	Physics	B ⁺	1997
B.Sc.	North Maharashtra University, Jalgaon	Physics	B ⁺	1995

THESIS / DISSERTATION TITLE

Ph.D. Thesis: “Manganite Perovskite Oxide: Studies related to Giant Magnetoresistance(GMR) & Tunneling Magnetoresistance (TMR) in samples of $\text{La}_{1-x}\text{A}_x\text{MnO}_3$ ”.

M. Phil Dissertation: “Studies related to Giant Magnetoresistance (GMR) in samples of $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ ”.

PROFESSIONAL EXPERIENCE

UG: 10 years, PG: 6 Years, Research: 11 years			
Organization Name	Designation	From Date	To Date
PSGVPM's ASC college, Shahada	Contractual	21.09.2008	30 April 2009
PSGVPM's ASC college, Shahada	Assistant Professor (Regular appointment)	24.07.2009	Till this date

ACADEMIC AND ADMINISTRATIVE RESPONSIBILITIES

- **Co Convener** for University level workshop on Syllabus restructuring of T.Y.B.Sc. Physics held at P.S.G.V.P.M's Arts, Science and Commerce college, Shahada on 25th February 2017.
- **Organising Secretary** for National level workshop on NET/SLET in physical sciences held at P.S.G.V.P.M's Arts, Science and Commerce college, Shahada during 4-5 January 2018.
- **Co Convener** for University level workshop on Syllabus restructuring of M.Sc. Physics held at P.S.G.V.P.M's Arts, Science and Commerce college, Shahada on 16th July 2018.
- **Rector** of Boy's Hostel from August 2010 to June 2015.
- **Member**, Nandurbar district Avishkar 2015.
- **Member**, Admission Committee (2013-14 to 2017-18).
- **Member**, Examination Committee (2014-15).
- **Member**, Science Forum (2011-2015).
- **Secretary**, Science Forum (2015-2016).
- **Chairman**, Science Forum (2016 to till this date).

BOOKS, PATENTS, PUBLICATIONS, CONFERENCES & WORKSHOPS

- Books :- **06**
- Patents :- **Nil**
- Publications (International) :- **11**
- International Level Conferences :- **01**
- National Level Conferences :- **12**
- Workshops/Seminar :- **15**
- Google Citation :- **41** *h-index:- 3 i10-index:- 2*
- Research Gate (RG) Score :-

BOOKS

- 1) Heat and Thermodynamics- for F.Y.B.Sc. Sem. II- N.M. Publications (2016).
- 2) Theoretical Physics – for F.Y.B.Sc. Sem. II- N.M. Publications (2016).
- 3) Mechanics and properties of matter- for F.Y.B.Sc. Sem. I- N.M. Publications (2017).
- 4) Electricity and magnetism- for F.Y.B.Sc. Sem. I- N.M. Publications (2017).
- 5) Waves and Oscillations- for S.Y.B.Sc. Sem. I- N.M. Publications (2017).
- 6) Electronics-I- for S.Y.B.Sc. Sem. I- N.M. Publications (2017).

PUBLICATIONS

- 1) *A novel Solution Combustion Method for the synthesis of CMR material $La_{1-x}Sr_xMnO_3$* , *Indian Journal of Cryogenics*, **33**, 2-4 (2008).
- 2) *Edge dislocation by etchant on cleavage planes of Glycine Potassium Sulphate (GPS) crystal*, *Archives of Physics Research*, **2(1)**, 169-175 (2011).
- 3) *Enhanced Ferroelectric and dielectric properties of $BiFe_{0.95}Zn_{0.05}O_3$ Multiferroics ceramics by solution combustion method (SCM)*, *Archives of Physics Research*, **2(3)**, 60-66 (2011).
- 4) *Topographical studies of Ferro-electric domains in Glycine Potassium Sulphate (GPS) crystals*, *Archives of Physics Research*, **2(3)**, 186-189 (2011).
- 5) *Large Magneto-resistance in Manganite Perovskite Oxide $La_{0.7}Sr_{0.3}MnO_3$* , *Advanced Science Letters*, **16**, 76-78 (2012).
- 6) *Structural, magnetic and dielectric properties of nano-crystalline Ni-doped $BiFeO_3$ ceramics formulated by self-propagating high temperature synthesis*, *Journal of Advanced Ceramics*, **2(2)**, 135-140 (2013).
- 7) *Ferroelectric and dielectric properties of nanocrystalline $BiFeO_3$ multiferroic ceramics synthesized by solution combustion method (SCM)*, *Materials Science-Poland*, **31(2)**, 221-225 (2013).
- 8) *GMR Materials: A new generation of miniaturized Technology*, *IOSR Journal of Applied Physics*, **5(1)**, 76-81 (2013).
- 9) *Structural, Electrical and Magnetotransport properties of $La_{0.7}Ca_{0.2}Sr_{0.1}MnO_3$ by self propagating high temperature synthesis*, *IOSR Journal of Applied Physics*, **5(3)**, 64-68 (2013).
- 10) *Multiferroic properties in Zn and Ni co-doped $BiFeO_3$ ceramics by solution combustion method (SCM)*, *Journal of Magnetism and Magnetic Materials*, **347**, 153-160 (2013).
- 11) *A Review of Renewable Energy Sources*, *Journal of Research and Development*, 119-124(2017).

CONFERENCES/WORKSHOP/SEMINAR

Paper presented in Conferences/Workshop/Seminars:

- 1) *Manganite Perovskite Oxides: Fire Synthesis of CMR Material $La_{1-x}Sr_xMnO_3$ - Optimization*

- of process parameters and Physical Properties*” State Level Seminar on Recent Advances In Nanocrystalline Materials And Applications (RAINMAA-2009), P. S. G. V. P. Mandal’s ASC College, Shahada, 06-07 Feb 2009.
- 2) *Nanosized Particles in samples of LSMO using Fire Synthesis method*” National Level Seminar on Nanotechnology Revolution in the field of Controlled and targeted drug delivery system” held at PSGVP Mandal’s College of Pharmacy, Shahada during 19-20 September 2009.
 - 3) *Etchant’s to reveal the sites of edge dislocations on cleavage planes of glycine crystals*” State Level Seminar on *Advances in Science and Technology of Nanomaterial (AISATON-2010)*” held at SGP college, Sakri during 8-9 March, 2010.
 - 4) *Synthesis of Nanocrystalline $La_{0.7}Sr_{0.3}MnO_3$ by solution Combustion process exhibiting Magnetoresistance*” National Conference on Recent Advances in Material Synthesis & Characterization-2011 (NCRAMS-2011) held at D.N. Bhole College, Bhusawal during 22-23 January, 2011.
 - 5) *Large Magnetoresistance in Strontium doped lanthanum Manganites using Solution combustion process*” National Conference on Material and devices for future technology held at N.M.U, Jalgaon on March 7, 2011.
 - 6) *Structural and microstructural properties of strontium doped Lanthanum manganite by solution combustion synthesis*” National Level Seminar on Advances in Nano Structured Materials and their Applications organized by Department of Physics, CHC Arts, SGP Commerce and BBJP Science College Taloda Dist. Nandurbar on 22-23, January 2013.
 - 7) *Magnetoresistance in Nanocrystalline manganite perovskite oxides*” National Level Seminar on Advanced material and its application held at S.V.S’s Arts and Science College, Dondaicha during 1-2 February 2013.
 - 8) *Synthesis and Characterization of Manganite Perovskite Oxide $La_{0.7}Sr_{0.3}MnO_3$ prepared by Solution Combustion method*, National Conference on Emerging trends in Nanoscience & Nanotechnology organized by Arts, Science and Commerce college, Ozar (Mig) during 23-24 Dec. 2014.
 - 9) *Structural and microstructural studies of calcium and strontium doped lanthanum manganite by solution combustion synthesis*”, National Conference on Recent development in Nanomaterials & their applications organized by G.T.P. college, Nandurbar during 5-6 February 2016.
 - 10) *Structural, Electrical and Magnetotransport properties of calcium and strontium doped lanthanum manganite ($La_{0.7}Ca_{0.2}Sr_{0.1}MnO_3$)*, National Conference on Electronics Materials thin films and its applications at JDMVP’s Arts, Science and commerce college, Jalgaon during 9-10 December 2016.
 - 11) *Fire Synthesis of CMR Material $La_{1-x}Sr_xMnO_3$ - Optimization of process parameters and Physical Properties*, National conference at Commerce and Science college, Karanjali (Peth) Nashik during 27-28 January 2017.
 - 12) A Review of Renewable Energy Sources, National Conference on Non conventional energy sources for the rural development of India at Uttamrao Patil College, Dahivel on 6 Jan. 2018
 - 13) Structural and Microstructural studies of Strontium doped lanthanum manganite by solution combustion synthesis, International conference on Advances in Functional Materials (ICAFM-2018) at K.T.H.M. college, Nashik on 12-13 Jan. 2018.

Participation in Conferences/Workshop/Seminars:

- 1) University level C. V. Raman Memorial Seminar-2007 at North Maharashtra University, Jalgaon on 28 February 2007.
- 2) National level awareness workshop of UGC-DAE CSR at Solapur University, Solapur during 28 February to 1 March 2008.
- 3) University level workshop on New trends in higher education at PSGVPM's A.S.C. college, Shahada on 1 March 2009.
- 4) University level workshop on Restructuring of syllabi of T.Y.B.Sc. Physics at Arts, Commerce and Science college, Raver during 15-16 March 2009.
- 5) National level conference on Gandhi thought: The only solution for corruption and terrorism at PSGVPM's A.S.C. college, Shahada during 23-24 December 2011.
- 6) University level workshop on First year B.Sc. physics syllabi revision at SGP college, Sakri on 27 March 2012.
- 7) National conference on nanostructures and nanomaterials at Eklavya study centre, Nandurbar on 28 March 2012.
- 8) University level syllabus framing workshop on S.Y.B.Sc. physics at Arts, Science and commerce college, Jamner on 10 February 2013.
- 9) University level workshop on Research methodology presentation at P.S.G.V.P.M's college of pharmacy, Shahada on 21 September 2013.
- 10) University level workshop on syllabus restructuring in physics at R.C. Patel college, Shirpur on 23-24 February 2014.
- 11) University level workshop on syllabus framing for M.Sc. Physics at Pratap college, Amalner on 29 April 2014.
- 12) University level workshop on first year B.Sc. syllabus revision at P.R. Ghogrey Science college, Dhule on 17 January 2015.
- 13) University level workshop on T.Y.B.Sc. physics practical at N.Y.N.C. college, Chalisgaon on 27 January 2015.
- 14) University level workshop on syllabus restructuring for M.Sc.(I) physics at R.C. Patel college, Shirpur on 23 February 2017.
- 15) University level workshop on syllabus restructuring for T.Y.B.Sc. physics at PSGVPM's A.S.C. college, shahada on 25 February 2017.
- 16) National level workshop on NET/SET in physical sciences at PSGVPM's A.S.C. college, shahada on 4-5 January 2018.
- 17) University level workshop on restructuring the syllabus for F.Y.B.Sc. physics at A.S.C. college, Taloda on 30 June 2018.
- 18) University level workshop on syllabus restructuring of M.Sc.(II) physics PSGVPM's A.S.C. college, shahada on 16 July 2018.

RESEARCH ACTIVITIES

- **RESEARCH SPECIALIZATION**

Material science, Magnetoresistance.

FELLOWSHIPS AND AWARDS RECEIVED

- 1) **Award-**

Second prize for oral presentation in National conference on materials and devices for future

technology at KBC North Maharashtra University, Jalgaon on 7 March 2011.

PERSONAL INFORMATION

Date of Birth : 22nd January 1974
Sex : Male
MaritalStatus : Married
LanguageKnown : English, Hindi and Marathi
LocalAddress : Shahada
Maharashtra, India (425409)

CV Updated upto 09/09/2018