1. Full Name : Dr. Bendre Subhash Tulshiram

2. Educational Qualification : M.Sc. Ph.D

3. Area of Research/Expertise : Materials Science

4. Awards/Fellowships/Prizes received : Dr. Ray Lecture Competition Award of Indial Physics Association for 1986-87

5. Contact Information : Department of Physics,
School of Physical Sciences,
North Maharashtra University,
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6. List of Publication : 25

1. A Novel Solution Combustion Method for the Synthesis of CMR Material $La_{1-x}Sr_xMnO_3$
S.T. Bendre, P.B. Patil, P.P. Jagtap, Swati Pandya, L.S. Sharath Chandra, Deepti Jain, D.M. Phase and V. Ganesan
Indian Journal of Cryogenics, 33, 2-4, (2008)

2. Enhanced Ferroelectric and Dielectric Properties of $BiFe_{0.95}Zn_{0.05}O_3$ Multiferroic Ceramics by Solution Combustion Method (SCM)
Yogesh A. Chaudhari, Prashant P. Jagtap, Ebrahim M. Abuassaj, Pramod B. Patil and Subhash T. Bendre
Archives of Physics Research, 2(3), 60-66 (2011)

3. Effect of Processing Parameters on the Improvement of Ferroelectric and Dielectric Investigations in $BiFeO_3$ Multiferroic Ceramics
Yogesh A Chaudhari and Subhash T Bendre
Invertis Journal of Renewable Energy, 1 (4), 207-213 (2011)

4. Ferroelectric and Dielectric Properties of $BiFe_{0.5}Zn_{0.05}O_3$Ceramics by Solution Combustion Method (SCM)
Yogesh Chaudhari, Amrita Singh, Pramod Patil, Prashant Jagtap, Ebrahim Abuassaj, Ratnamala Chatterjee and Subhash Bendre
Proceedings of International Conference on Nano Science, Engineering and Advanced Computing (ICNEAC – 2011) , 186-188 (2011), ISBN-978-81-8465-683-1

5. Multiferroic properties in $BiFe_{1-x}Zn_xO_3$ (x=0.1-0.2) ceramics by solution combustion method(SCM)
Y.A. Chaudhari, A.Singh, E.M.Abuassaj, R. Chatterjee and S.T. Bendre
Journal of Alloys and Compounds, 518, 51-57 (2012)
Impact Factor: 2.28

6. Large Magnetoresistance in Manganite Perovskite Oxide $La_{0.7}Sr_{0.3}MnO_3$,
P.P. Jagtap, Y.A. Chaudhari, E.M. Abuassaj, P.B. Patil and S.T. Bendre
Advanced Science Letters, 5, 1-3 (2012)
Impact Factor: 1.25

7. Structural, magnetic and dielectric properties of nano-crystalline Ni-doped $BiFeO_3$ ceramics formulated by self-propagating high temperature synthesis
Yogesh A Chaudhari, Chandrashekhar M. Mahajan, Prashant P. Jagtap and Subhash T. Bendre
Journal of Advanced Ceramics, 2(2), 135-140 (2013)

8. Ferroelectric and Dielectric Properties of nanocrystalline $BiFeO_3$ Multiferroic Ceramics Synthesized by Solution Combustion Method (SCM)

Yogesh A. Chaudhari, Chandrashekhar M. Mahajan, Ebrahim M. Abuassaj, Prashant P. Jagtap, Pramod B. Patil and Subhash T. Bendre
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Impact Factor: 0.366

9. Process conditions for deposition of good quality thin films of $Y_1Ba_2Cu_3O_{7-\delta}$ superconductor on ZrO_2, $SrTiO_3$ and Si/ZrO_2 substrates by XeCl Pulsed Excimer Laser Ablation
S.T.BENDRE, V.N.KOINKAR, R.D.VISPUTE, R.VISWANATHAN, A.M.DHOTE, S.M.CHAUDHARI, S.M.KANETKAR and S.B.OGALE
Solid State Communications, Vol.78, No.5, 345-348(1990)
Impact Factor: 1.534

10. Thin and ultra thin epitaxial films of $Y_1Ba_2Cu_3O_{7-\delta}$ deposited on $LiNbO_3$ substrates by Pulsed Excimer Laser Ablation
P. GUPTASARMA, S.T.BENDRE, S.B.OGALE, M.S.MULTANI, and R.VIJAYRAGHAVAN
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S.B.OGALE, S.T.BENDRE, P. GUPTASARMA, and M.S.MULTANI
Solid State Communications, Vol.78, No.4, 285-290(1991)
Impact Factor: 1.534

12. Ion-Implantation-Induced Structural Modifications in $Y_1Ba_2Cu_3O_{7-\delta}$ superconductor
S.N.YEDAVE, P.D.KODALI, S.T.BENDRE, R.VISHWANATHAN, S.M.KANETKAR, S.M.CHAUDHARI AND S.B.OGALE
Solid State Communications, Vol.70, No.12, 1131-1135(1989)
Impact Factor: 1.534

13. Inhibition of aqueous degradation of $Y_1Ba_2Cu_3O_{7-x\delta}$ high T_c Superconductor by Nitrogen ion implantion
S.M.CHAUDHARI , R.VISHWANATHAN, S.T.BENDRE, P.P.NAWALE, S.M.KANETKAR, AND S.B.OGALE
Journal of Applied Physics, 66(9), 4509-4511 (1989)
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14. Process parameters optimization for deposition of High Tc superconducting thin films on Si and other substrate materials.
R.D.VISPUTE, S.T.BENDRE, R.VISHWANATHAN, S.M.CHAUDHARI , S.M.KANETKAR, AND S.B.OGALE
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15. Ion beam and thermally - induced interface reaction between high-T_c superconductor thin film and metal overlayer
R.VISHWANATHAN, S.N.YEDAVE, S.T. BENDRE, S.M. KANETKAR S.M.CHAUDHARI , AND S.B.OGALE
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16. Pulsed Excimer Laser deposition of High T_c Superconductor thin films on Si with and without oxide barrier
R.D.VISPUTE, S.T. BENDRE, S.M.CHAUDHARI , S.M.KANETKAR, AND S.B.OGALE
Procedings of SPIE's Growth of semiconductor Structures and High Tc Thin films on Semiconductors, San Diego, California, Vol.1285, 259-266 (1990)

17. Design, Construction and calibration of a PZT Micromanipulator for Scanning Tunneling Microscope (STM)
S.T.BENDRE and C.DHARMADHIKARI
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18. Epitaxial Thin films of $Y_1Ba_2Cu_4O_8$ Superconductor Deposited by Laser Ablation of Solution derived complex Target

P.GUPTASARMA, V.R.PALKAR, M.S.MULTANI, R.VIJAYRAGHAVAN, S.T.BENDRE, and S.B.OGALE, Solid State Communications, Vol.79, 851- 855(1991)
Impact Factor: 1.534

19. Thermal Neutron effect on $Y_1Ba_2Cu_3O_7$
S.S.OBAYD, B.S.M. RAO, S.T.BENDRE, R.VISHWANATHAN, S.M.CHAUDHARI , S.M.KANETKAR, AND S.B.OGALE
J. Radional. Nucl. Chem. Letters, 153(2), 117- 123(1991)
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20. Photon Scanning Tunnelling Microscope
S.T.BENDRE
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ISSN 0031-9120 (Print) ISSN 1361-6552 (Online)

21. Epitaxial Thin films of $Y_1Ba_2Cu_4O_8$ by Laser Ablation
V.R.PALKAR, P.GUPTASARMA, S.T.BENDRE, S.B.OGALE and M.S.MULTANI
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22. Use of Zn doping for tuning of the operating temperature of Bolometer based on the high T_c oxide superconductor thin film of $Y_1Ba_2Cu_3O_7$
S.B.OGALE, M.VEDVYAS, S.T.BENDRE, AND S.M.KANETKAR
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23. Structural, morphological and superconducting properties of the thin films of High Tc oxide superconductors deposited by Pulsed Laser Ablation
S.B.OGALE , S.M.KANETKAR, R.D.VISPUTE, R.VISHWANATHAN, AND S.T. BENDRE
Physical and Material Properties of High temperature Superconductors Edited by S.K.MALIK and S.S.SHAH,
Nova Science Publication, ISBN1-56072-114-6, (1993)

24. Influence of Zn and Fe doping on the bolometric response of the 123 Epitaxial thin films
M.VEDVYAS, S.T.BENDRE, AND S.M.KANETKAR AND S.B. OGALE
Proceeding : World Congress on Superconductivity, Munich, Germany, September 14-18, 1992

25. Current transport in $Y_1Ba_2Cu_{3-x}M_xO_7$ (M ≡ Fe, Zn) epitaxial thin films
S.B. OGALE, S.T. BENDRE, P. GUPTASARMA AND M. MULTANI
J.Appl.Phys. 70(10), 5763, *1991*
Impact Factor: 2.210

7. Number of Post Doc students at Present : NIL

8. Number of Ph.D students Passed out : 01
Dr. Yogesh A. Chaudhari
Assistant Professor

9. Number of Ph.D students at Present : 03
Mr. Prashant P. Jagtap
Mr. E.M.Abuassaj
Mr. Pramod Patil

10. Number of M.Phil students passed out : 01
Mr. Prashant P. Jagtap
Assistant Professor

11. Number of M.Phil students at present : Nil

12. Number of Project Fellow/Assistant/staff at present : Nil

13. Number of Books Written : Nil

14. Number of Books (invited to write) communicated : Nil

15. Number of Patents : 01
Solar Powered Hybrid Bicycle (Submitted)

16. Number of Research Papers Published : 25

17. Citation index(h), Number of citations till date:

	All	Since 2008
Citations	40	3
h-index	4	1
i10-index	0	0

18. Scientific Name of Your lab : Materials Research Laboratory

19. Scientific Instruments/Facility available : Low Temperature Resistivity Measurement

20. Research Projects Completed : 02

No.	Name of the Research Project	Funding Agency	Amount
1.	Development of Superconductivity Programme At the newly born University	Third World Academy of Sciences (TWAS) Italy	US $ 4200
2.	Synthesis and characterization of diamond thin films (Co-investigator)	All India Council for Technical Education New Delhi	Rs. 04.00 lakhs

21. Research Projects on going : 01

No.	Name of the Research Project	Funding Agency	Amount
1.	UGC SAP Phase II (Coordinator)	UGC, New Delhi	Rs. 43.75 lakhs
2.	VigyanPrasar (Equipment Grant) (Coordinator)	VP, New Delhi	Rs. 08.00 lakhs

22. Research Projects Submitted : 01

No.	Name of the Research Project	Funding Agency	Amount
1	Renewable Energy - Demonstration Project	MEDA, Pune	Rs. 30.00 lakhs

23. Scientific Collaborators : Prof. Dr. Pablo D. Esquinazi (Head)
Superconductivity and Magnetism Division
University of Leipzig, Leipzig, GERMANY.

24. Other Activity : Coordinator – Rajiv Gandhi Science and Technology Commission
NMU, Centre