CURRICULUM VITAE

Dr. Lakshmi Narayan Singh

Professor & Head, Department of Physics, Director IQAC
Dr. B.A.Technological University Vidyavihar, Lonere,
Raigad, Maharashtra, 402 103 (India).
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1. Educational Qualifications

Ph.D.:	-	Experimental Solid State Physics, I.I.T. Bombay, India 1992.
M.Sc.:	-	Physics (Nuclear) – 1985, Banaras Hindu, University Varanasi, India.
B.Sc.:	-	Physics (Hons.) - 1982, Bhagalpur University, India
Ph.D. Thesis Title:	-	Magnetization, Anisotropy and Relaxation Studies in Y-Eu-Ga and Eu-Bi, Garnet Thin film.

2. Personal Particulars :

- Date of Birth: - 2nd June 1960.
- Sex: - Male
- Marital Status - Married
- Nationality: - Indian
- Retired - 30/06/2020

3. Professional Experiences:

July 2019 – 30/06/2020: **Dean, Research and Consultancy**
Dr. B.A.Technological University Vidyavihar, Lonere, Raigad.
Maharashtra, (India)

2010 – 30/06/2020 : **Professor & Head**, Department of Physics
Dr. B.A.Technological University Vidyavihar,
Lonere, Raigad. Maharashtra, (India)

Jan 2006 – 2010: **AssociateProfessor & Head,** Department of Physics
Dr. B.A.Technological University Vidyavihar,Lonere, Raigad.
Maharashtra, (India)

2006 August –Nov 2007: **Associate Professor & Head**, Department of Physics, Gombe State University – Nigeria (Africa)

2006 Oct. – Nov 2007: **Dean, Faculty of Science,** Gombe State University,

2002 Augt. – 2006 Jan: **Assistant Professor and Head,**
Department of Physics,
Dr. B. A. Technological University, Lonere, Raigad, Maharashtra, India.

Here, I was working on magnetic oxide film. I was involved in the deposition of Ferrites and Garnets films by liquid phase epitaxy technique. The characterisation involves low-temperature magnetic studies. I was involved to do Ion-Implantation on this film and study the Effect of Ion-implantation on these films. The investigation is carried out with I.I.T. Bombay and T.I.F.R Bombay group. I am also involved in the study of nanostructured Ferrites for Recording and Biomedical application and CMR-GMR materials for Sensor applications.

1997 Augt. – 2002 Augt. : **Senior Lecturer and Head**, Department of Physics, Dr. B.A. Technological University Lonere, Raigad, Maharashtra, INDIA

1993 Augt. – 1997 Augt. : **Lecturer& Head,** Department of Physics, Dr. B.A. Technological University Lonere, Raigad, Maharashtra, INDIA.

I was involved in a growing thin film of Garnets by Liquid phase epitaxy technique. The films have been characterised for thickness, lattice mismatch, magnetisation, line width and uniaxial anisotropy. Spin and magnetisation compensation points have been studied in detail.

1992 Sept. – 1993 Aug. : Lecturer, Department of Physics,
Dr. B.A. Technological University Lonere, Raigad, Maharashtra, INDIA.

May 1992 - Sept., 1992 : **Research Associate** Advanced centre for Research in Electronics and Materials science centre I.I.T Bombay INDIA.

I was involved in deposition of the Ferrite film for magnetic recording media and its magnetic characterisation.

1991-1992 : **Senior Research Fellow,** Advanced Centre for Research in Electronics, I.I.T. Bombay INDIA.

I was involved in deposition of YIG films by liquid phase epitaxy technique and characterisation of the film for Magneto static wave device application. I was also involved in growing the: Bi: EuIG film for magneto -optic application.

1986 – 1991 : **Research Scholar,** I.I.T. Bombay, INDIA.

During this period I was involved in the study of Magnetisation, uniaxial anisotropy and relaxation in Y-Eu- Ga and Eu-Bi Garnet thin film. I had fabricated and design the three-zone furnace for conducting the LPE growth of garnet film.

4. **Research Interests:** Magnetic Materials- Nano Ferrites, Nano Garnets CMR Materials, Carbon Nano Tubes, synthesis, deposition, characterisation.

5. **EXPERIENCE (1992 - 30/06/2020)**

A. **Teaching Experience:** 27years (UG / PG Course)

Name of the Subject

Solid State Physics
Nuclear Physics
Spectroscopy
Modern Physics
Quantum Mechanics
Electronics
Materials Science
Electrical Engineering Materials

B. **RESEARCH EXPERIENCE:** 27 years.

- Growth of single crystal Garnet thin films using liquid phase epitaxy technique.
- Ion-Implantation on the Garnet films.
- Study the magnetic properties of unimplanted and implanted garnet films.
- Low temperature magnetisation, uniaxial anisotropy and relaxation studies of garnet films.
- Magneto-optic properties of Bi substituted EuIG Film.
- Growth of Ferrite films for magnetic recording media.
- CMR, GMR, Carbon Nano Tube and their Synthesis and Characterization etc.
- Nano Ferrites and Garnets

6. Administrative Experience / Ability

a) UGC Nominee on the Governing Body of Maland College of Engineering, Hassan-573 202, Karnataka.

b) UGC Nominee on the Governing Body of Balaji Institute of Technology & Science, Laknepally (V), Narsampet (M), Warangal Rural Dist.-506331, Telangana.

c) UGC Nominee on the Governing Body of Sri Ramakrishna Engineering College, Vattamalaipalayam, Coimbatore-641 022, Tamilnadu.

d) Editor, Scienxt Journal of Physics (SJoP) and Scienxt Journal of Nano Science & Technology (SJoNS).

e) Member of UGC Expert Committee for on-the-spot inspection of Kakatiya Institute of Technology & Science, Warangal-506 015 for grant of extension of autonomous status.

f) Shortlisted for the post of Vice-Chancellor in Jai Prakash University, Chhapra, Bihar.

g) UGC Nominee on the Governing Council of Gandhi Institute for Technological Advancement, (GITA), Bhubaneshwar Odisha.

h) UGC Nominee on the Governing Council of Rajagiri School of Engineering & Technology (RSET) -Autonomous, Kochi, Kerala

i) UGC Nominee on the Governing Body of Chaitanya Bharathi Institute of Technology (CBIT) -Autonomous, Kokapet (Vill.), Gandipet, Hyderabad-500075, Osmania University for five years

j) Member of UGC Expert Committee for on-the-spot inspection of the college for autonomous status

k) Worked as a subject expert for Selection of Professor in Shivaji University, Kolhapur.

l) Worked as a subject expert for Selection of Assistant Professor in Mumbai University, Mumbai.

m) Member of Board of Studies in Engineering Physics, D Y Patil College of Engineering & Technology (Autonomous Institutes) Shivaji University Kolhapur (2020 onwards).

n) Member Board of Studies and Research, Rajiv Gandhi Central University, Arunanchal Pradesh.

o) Member, Board of Research, MGM University, Aurangabad.

p) Ph.D. Examiner, Andhra University Waltair.

q) Ph.D. Examiner, Shivaji University Kolhapur.

r) Chairman Canteen Committee Dr BATU Lonere (2019 onward).

s) Member of Executive council (2017-2020)

t) Member of Executive council (2010-2013)

u) Member of Academic council (2017-2020)

v) Member of Academic council (2010-2013)

w) Chairman, Board of Studies in Physics (2016- 30/06/2020)

o) Director IQAC(2016- 30/06/2020)

p) Dean, Faculty of Science, Gombe State University, Nigeria(Africa) 2006 – 2007

q) Head, Department of Physics, Gombe State University, Nigeria (Africa) 2006-2007
r) Head, Department of Physics, Dr. B.A. Technological University Lonere, Raigad, Maharashtra, INDIA (1993 –30/06/2020).
s) Rector of Hostel-Sahaygiri and Hostel Gagangiri, (1995 – 2000)
t) Professor Library Incharge (1992-1996).
u) Co-ordinator of Quality Circle of University
v) Member of Research, Development and Consultancy Committee
w) Member Academic Planning Committee
x) Member of Senate, Gombe State University, Nigeria(2006 – 2007)
y) Elected member of Materials Science section of Indian Science Congress (2019-2020)

7. Membership of Societies / Association:

a) Life Member of Materials Research Society of India (MRSI).
b) Life Member of Indian Society for Technical Education (ISTE).
c) Life Member of Indian Science Congress(ISC)
d) Life Member of Indian Physics Association(IPA)
e) Life Member of Indian Association of Physics Teachers (IAPT)
f) Life Member of Material Research Society (MRS)

8. Honours and Awards:

a) Biography is published in America's Marquis Who's Who of the World 2019
b) My name has been included in Who's who in Science & Engineering 10th Anniversary Edition (USA).
c) National Scholarship in School & College Level.
d) Graduate Aptitude Test in Engineering (GATE) qualified in 1985.
e) Junior Research fellowship, I.I.T. Bombay.
f) Senior Research fellowship, I.I.T. Bombay.

9. Abroad Visit:

- **USA**, August 22- Sept. 24, 2004 for presenting Research Paper in the 9th International Conference on Ferrites in San Francisco, California and visited Berkeley , Stanford, Maryland, Washington, Princeton, Rutgers, Morgan, John Hopkins, Oakland, Wyne State Universities and NASA Ames Research Centre, California.
- **USA**, May 11-June11, 2005 for attending IIT Global Conference in D.C. Washington USA
- **USA**, August 19- 28, 2016- University of Pennsylvania, Philadelphia.
- **Italy** (Rome), 27th July to 1st August 2003 for presenting Research paper in the International Conference on Magnetism, ICM-2003.
- **Germany**, August 02-07, 2003, visited Karlsruhe University, Institute for Nanotechnology Karlsruhe, Max-Planck Institute Stuttgart and Stuttgart

University, Konstanz University, Frie Technological University, Humboldt University and Fritz Haber Institute of Max Planck Society, Berlin.

- **Singapore**, 1-10, July, 2001 for presenting research paper in the International Conference on Materials for Advanced Technology and visited a National University of Singapore, Nanyang Technological University , Institute of Materials Research and Engineering and Data Storage Institute Singapore
- **Japan** Sept.17- 30, 2000 for presenting Research paper in the 8th International Conference on Ferrites in Kyoto and Tokyo and visited Kyoto University, Osaka University, Waseda University, Tokyo Institute of Technology,

  Materials Research Centre and TDK Factory Narita and National Institute of Materials and Chemical Research Tsukuba.
- **Malaysia, Thailand, Singapore** 15th April – 27th 2007 April Educational Trip.
- **France, Italy, Germany, Switzerland, U.K. Belgium, Austria** 3 may 2009-20 may 2009, Educational Trip.
- **Australia, New Zealand –** 12 June 2015 to 2 July 2015, visited Griffith University, Victoria University, Technological University in Brisbane, Melbourne and Sydney. University of Auckland, Canterbury University Christchurch.
- **U**SA 5 – 19, August 2018 Carnegie Mellon University (CMU), Pittsburgh, USA.
- **Turkey-** 21st May 2019 to 29th May 2019, Istanbul, Izmir

10. Seminar:-

a) Delivered a seminar on "Magnetic properties of LPE Grown- EuGa: YIG films" at Materials Science and Engineering Department Kyoto University, Kyoto, Japan September 22,2000

b) Delivered a seminar on effect of Ion-Implantation in LPE Grown EuGa : YIG Films at Physics Department in Waseda university Tokyo, Japan September 28, 2000

c) Delivered a seminar on magneto-optic properties of BI : EuIG films at National Institute of Inorganic Materials and Chemical Research Tsukuba, Japan September 29,2000

11. **Number of Ph. D. Students:** Eleven

- I have supervised Eleven Research students in the field of Magnetic materials, Ferrites, GMR/CMR and carbon Nano Tube. Seven Research students have been awarded Ph.D Degree and Four students are working on nanoferrites and garnets.

Sr. no.	Name of student	Title of thesis	Status
1	Mrs.S.G. Dahotre	Study of Mn-Zn Ferrites at Nanolevel	Degree awarded
2	Mr.U.L.Shinde	Study of Transport and Magnetoresistance in Nanomanganites.	Degree awarded

3	Mr.K.D.Barhate	Development of electrode for hydrogen/oxygen fuel cell using carbon nanotube.	Degree awarded
4	Mrs. N.B.Srivastava	Mechanism of Transport and colossal Magneto resistance in Manganites	Degree awarded
5	Mr.SandeshV.Jaybhaye	Hydrogen adsorption/desorption by carbon nanomaterials	Degree awarded
6	Mr.F.A.Ahmed	Study of nickel based Nanoferrites.	Degree awarded
7	Mr A.R.Bhalekar	Study of substituted YIG at nano level	Degree awarded
8	Mr.Sachin Rajadhyax	Synthesis and characterization of Multiferroics	Ongoing
9	Mr. V. S. Shinde	Study of Structure and Magnetic Properties of substituted (Al, Ni, La) M-type Calcium Hexaferrites	Degree awarded
10	Ms. Rohini P. Gawade	Carbon Nano Tubes	Ongoing
11.	Ms. Supriya D. Raut	Nanoferrites	Ongoing

BOOK PUBLICATIONS

1. Engineering Physics, **Dr. L.N. Singh,** ISBN: 978-93-833-5261-6, SYNERGY Knowledgeware, Mumbai, India
2. Ferrite Materials – Ni-substituted Mn-Zn ferrite nanoparticles processed by sol-gel method, Dr. F.A. Ahmed, **Dr. L.N. Singh,** ISBN: 978-620-2-79488-6, Lap Lambert Academic Publishing, Mauritius

LIST OF PUBLICATIONS (Journals)

1. Study of structural and magnetic properties of Ni substituted M-type Calcium Hexaferrite, V. S. Shinde, S. G. Dahotre, **L.N. Singh,** Integrated ferroelectrics, 213(1, (2021)
2. Ni-substituted Mn-Zn ferrite nanoparticles processed by sol-gel method**, L. N. Singh,** F. A. Ahmed, American Institute of Physics (AIP) Conference Proceedings 2244, 050006 (2020); https://doi.org/10.1063/5.0012091
3. Synthesis, structure and magnetic properties of Al-YIG nanoparticles prepared via modified sol-gel route, **L. N. Singh**, A. R. Bhalekar, American Institute of Physics (AIP) Conference Proceedings 2244, 050005 (2020); https://doi.org/ 10.1063/5.0012814

4. Synthesis and characterization of aluminium substituted calcium hexaferrites, V. S. Shinde, S. G. Dahotre, **L. N. Singh**, Heliyon 6 (2020) e03186
5. Structural and magnetic studies of Al-doped $Y_{2.8}La_{0.2}Fe_5O_{12}$ nanoferrites prepared by a sol-gel route, A.R. Bhalekar, **L.N. Singh,** Journal of Superconductivity and Novel Magnetism, DOI: https://doi.org/10.1007/s10948-020-05422-4
6. Structural, magnetic and ESR studies of $Y_3Al_xFe_{5-x}O_{12}$ $(0.0 \leq x \leq 1.2)$ nanoparticles synthesized by a sol-gel method, A.R. Bhalekar, **L.N. Singh,** Physica B: Condensed Matter 570, 82–93 (2019)
7. Structural and magnetic studies of aluminium substituted YIG nanoparticles prepared by a sol-gel route, A.R. Bhalekar, **L.N. Singh,** Brazilian Journal of Physics, DOI: https://doi.org/10.1007/s13538-019-00690-5
8. Aluminium substituted Yttrium Iron Garnet Nanoparticles, A.R. Bhalekar, **L.N. Singh,** IJSER, Volume 9(6), 284-288(2018)
9. EPR study of Nickel Doped Mn-Zn Ferrite Nanoparticles, **L.N. Singh,** F. A. Ahmed, IJSRSET, Volume 5(4):65-68 (2018)
10. FTIR studies of Ni Substituted Mn-Zn Ferrite Nanoparticles, F.A. Ahmed, **L.N. Singh,** IJSRSET, Volume 4(8):413-417 (2018)
11. Effect of Ni substitution on structure and magnetic properties of Mn-Zn ferrite nanoparticles, F.A. Ahmed, **L.N. Singh**, Journal of Materials Science and Surface Engineering, 6(4): 825-830(2018)
12. Morphology and g_{eff} Study of Nano $Mn_{1-x}Zn_xFe_2O_4$, S.G.Dahotre , **L. N. Singh,** Journal of Nanotechnology and Nano-Engineering, Volume 1, issue 3, 1-5 (2015)
13. Small polaron transport and magnetoresistance in Sol-gel prepared $Nd_{0.7}Sr_{0.3}Ca_xMnO_3$ $(0 \leq x \leq 0.3)$ nanomanganitesystem.U.LShinde**, L .N .Singh ,**N.B Srivastava **,** Physica B 452 (2014) 13-17
14. Superparamgnetism and FMR study of Nano Mn-Zn Ferrite, S.G.Dahotre ,**L. N. Singh,** Advances in Applied Science Research, 2014, 5(1):146-149.
15. "Synthesis and Characterization of Nanoferrite" S.G.Dahotre , **L. N. Singh,** Journal of Pure Applied and Industrial Physics, Volume 3 , Issue 3, July 2013, 199-204.
16. "Study of Magnetic Properties of Nanostructured Mn-Zn Ferrite" S.G.Dahotre , **L. N. Singh**, "Archives of Physics Research ",2011,2(1):81-89 ISSNO976-0970, CODEN(USA):APRRC7.
17. Development of Hydrogen Electrode for Alkaline Fuel Cell-1 K.Barhate, M.Sharon, **L.N.Singh**, M.Sharon The Open Fuel Cells Journals, 2011,4, 30-33.
18. Correletedpolaron transport and metal- insulator transistor in La_{1-x} Sr_xMnO_3 N.B. Srivastava, **L.N. Singh** and C.M. Srivastava, **Journal of Applied Physics105,** 07D704 (2009).
19. Small polaron transport and colossal magneto resistance in $La_{2/3}$ $Ca_{1/3}$ MnO_3C.M. Srivastava, N.B. Srivastava, **L.N. Singh** and D. Bahadur, **Journal of Applied Physics**105, 1 (2009).
20. "A study of Hydrogen adsorption by Spiral Carbon Nano Fibres synthesized from acetylene" S. Jaybhaye, Maheshwar Sharon, **L. N. Singh** and Madhuri Sharon. Synthesis and Reactivity in Inorganic, Metal-Organic and Nano-Metal Chemistry (SRINMC), 36:1-5(2006).

21. Ferromagnetic Resonance and Relaxation in LPE-grown bismuth substituted europium iron garnet films**. L. N. Singh**, Journal of Magnetism and Magnetic Materials, 272-276 (2004)2244-2246.
22. Spin and magnetisation Compensation points in LPE grown$Y_{2.4}Eu_{0.6}Ga_yFe_{s-y}0_{12}$ garnet thin films.**L. N. Singh** and C.M.Srivastava, Journal of Magnetism and Magnetic Materials, vol. 128, 42-46 (1993).
23. Porous Carbon from Natural Source and its use in Hydrogen Storage" S. Jaybhaye, M. Sharon, **L. N. Singh**, D. Sathiyamoorthy, K. Dasgupta and M.Sharon;Indian Journal the proceeding of the National Academy of Sciences, India vol. LXXIX (2009).
24. Ferromagnetic Resonance and Relaxation in LPE-grown bismuth substituted europium iron garnet films. **L. N. Singh**, Proceeding of 9th International conference of Ferrites San Francisco, California, USA (2004)161-163.
25. Effect of Ion - Implantation in LPE grown EuLaGa : YIG and EuGa : YIG films.**L.N.Singh,** Proceeding of 8th International conference on Ferrites Kyoto Japan(2000)731-733.
26. Mn-Zn Ferrite Nanoparticles: preparation and properties S.G.Dahotre and **L. N. Singh**, Proceeding of International Conference on Materials Science Research and Nanotechnology ICMSRN 2008.
27. Study of Magnetic properties of Nanostructured Mn-Zn ferriteS.G.Dahotre and **L. N. Singh**,Proceeding of International Conference on Recent Trends in Materials and Characterization RET MAC 2010.
28. Optical absorption studies in Eu:YIG thin films.**L.N.Singh**, Proceeding of International Conference on Materials for Advanced Technology, held in Singapore, July 1-6, 2001.
29. Magnetic and Transport Properties of Al_2O_3+MgO substituted LCMO magnetite. **L. N. Singh** and U. L. Shinde Proceeding of Materials Research Society of India, AGM 2005, Pune.
30. Ferromagnetic Resonance Study of Mn – Zn Ferrite. **L. N. Singh** and S. G. Dahotre, Proceeding of Materials Research Society of India, AGM 2005, Pune.
31. Effect of Ion-Implantation in LPE grown Y-Eu-Ga Garnet thin films.**L.N.Singh** and C.M.Srivastava,Proceeding Solid State Physics Symposium vol. 33C,365 (1991).
32. "Synthesis of CNMS from Natural source and its used in hydrogen storage", Maheshwar Sharon, Madhuri Sharon, **L. N. Singh** and Sandesh Jaybhaye, Proceeding International Conference on Molecules to Materials(ICMM), (2006)53-55.
33. Studies of Carbon Nanostructures Synthesized from Bitter Almond and its Hydrogen Adsorption CapacityS.V.Jaybhaye, D, Kshirsagar, **L. N. Singh**, M.Sharon and M.SharonNanostructured Materials for electronics, Energy and Environmental Applications. 371 – 376 (2010) Mac millan Publishers India Limited.
34. "A Study Hydrogen Adsorption on CNMS with variation in pressure" Sandesh Jaybhaye, Maheshwar Sharon, **L. N. Singh**,Proceeding of International Conference Nano Materials, NANO 2005 at Sivakashi,Tamilnadu, pp: 719 – 722, July 13th – 15th (2005).

35. Enhanced Hydrogen Adsorption on Carbon Nano Fiber by Activation M.Sharon, MadhuriSharon, **L.N.Singh**, D. Sathiyamoorthy, K.Dasgupta and S.V.Jaybhaye. Indo Carbon Conference Proceeding 2006 145-150
36. "Study of structural and magnetic properties of Ni substituted M-type Calcium Hexaferrite", V. S. Shinde, S. G. Dahotre**, L.N. Singh,** Integrated ferroelectrics, 213(1), **(2021)**
37. "Synthesis and Characterization of La Substituted M-type Calcium Hexaferrite", V. S. Shinde, S. G. Dahotre, **L.N. Singh,** i-manager's journal on material science 7(2), 11-17, **(2019)**
38. "Comparative study of structural and magnetic properties of Al and La substituted calcium hexaferrite.", V. S. Shinde, S. G. Dahotre, **L. N. Singh**, International Journal of Research and analytical review (IJRAR). 6(2), 569-574, **(2019)**.

Paper presentation/participation in INTERNATIONAL Conference/School/Workshop (Paper published in International Conference proceedings)

1. Paper presented in International Conference on Physics of Materials and Nanotechnology - ICPN-2019, Manglore University, September 19-21, 2019

2. Paper presented in International conference on Computer, Electrical and Electronics Engineering, Dr.Babasaheb Ambedkar Technological University Lonere, Raigad. December 26-27 (2013)
3. Paper presented in Indo-Singapore Symposium on Advanced Functional Materials (AFMS-06), IIT Bombay, February 24-26, 2006
4. Paper presented in International Conference on Physics for world and society celebration of world year of physics – 2005, at Bikaner and Jaipur, December 2-4,2005
5. Paper presented in International Symposium on Advanced Materials and processing, IIT, Kharagpur, Dec. 6-8, 2004.
6. Paper presented in 9th International Conference on Ferrites, San Francisco, California, USA, Aug 22-27,2004
7. Paper presented on International Conference on Magnetism, held in Roma-Italy, July 23-Aug.1, 2003.
8. Paper presented on the International Symposium on Recent Advances in Inorganic Materials (RAIM) IIT Bombay, Dec.11-13, 2002.
9. Paper presented on International Conference on Materials for Advanced Technology, Singapore, July 1-10, 2001.
10. Paper presented in 8th International Conference on Ferrites Kyoto, Japan Sep 18-21(2000).
11. Satellite Conference on Science and Technology of Multilayer Ferrite Devices Tokyo, Japan Sep 25-27,(2000).
12. Indo-Italian Workshop on the Physics and Technology of Communication. TIFR Bombay March 21-23 (1996).
13. 5th International Conference on Ferrites Bombay Jan 10-13(1989).

14. International school on crystal growth and characterisation of Advanced Materials for Solid State application, Madras. Jan 25-Feb, 5 (1988).
15. Paper presented on 7th International Conference on Thin Films, I.I.T. Delhi, India Dec. 7-11(1987).
16. International college on Electronic Properties of Condensed Matter I.I.T. Bombay Dec 1-15 (1988).
17. Paper presented in International Conference on Nanomaterials and applications, Shivaji University, Kolhapur December 9-11, 2008.

Papers presentation/participation in NATIONAL Conference/ Symposium/ Workshop / School (Paper published in National Conference proceedings)

1. Indian Science Congress, 107th ISC 2020, Jan 3-7 (2020) held at University of Agriculture Sciences, Bangalore
2. Indian Science Congress, 106th ISC 2019,Jan 3-7 (2019) held at Lovely Professional University, Phagwara, Jalandhar, Punjab
3. Indian Science Congress, 104th ISC 2017,Jan 3-7 (2017) held at SV University, Tirupati.
4. National Conference on Recent Trends in Bio-Nano Sciences, Birla College, Kalyan March 29 (2017)
5. Indian Science Congress,102nd ISC 2015,Jan 3-7 (2015) held at Mumbai University, Mumbai.
6. National Conference on Recent Trends in Nano Sciences, Birla College, Kalyan March 1-2 (2012).
7. 16th Annual General Meeting & Symposium of Materials Research Society of India (MRSI) National Chemical Laboratory, Pune Feb 10-12,2005
8. 15th Annual General Meeting & Symposium of Materials Research Society of India (MRSI) BHU Varansi Feb 9-11(2003)
9. 13th Annual General meeting& Symposium of Materials Research Society of India (MRSI) Hyderabad Feb 7-9 (2002).
10. 12th Annual General meeting& Symposium of Materials Research society of India (MRSI)Science City, Kolkata31st Jan.-2nd Feb. (2001).
11. Advance Materials Workshop, Jawaharlal Nehru Centre for Advance and Research Banglore Dec. 3-4, 2001.
12. National Conference on Computational Materials science BARC Bombay July 27-29 (2000).
13. 11th Annual General meeting & Symposium of Materials Research Society of India (MRSI) Baroda Feb 3-5 (2000).
14. Indian Science Congress, Pune Jan 3-7 (2000).
15. School on Ultrahigh Vacuum Techniques, New Delhi, Sep, 6-10(1999).
16. National seminar on Magnetism and Magnetic Materials, Cochin, Feb, 22-23(1999)
17. 2nd National conference for Higher Technical Education and Training, Shegaon Jan 22-23(1994).
18. Solid State Physics Symposium Bombay Jan 1-4(1994).

19. Workshop on Science and Technology Thrust for rapid development of Ferrites in India, I.I.T. Bombay Jan 12 (1991)
20. Solid State Physics Symposium Bombay Dec 27-30(1989)
21. Workshop on Microscopy Techniques, I.I.T. Bombay 25 Feb, (1998)
22. Solid State Physics Symposium, Bhopal Dec 20-23(1988)
23. Workshop on Fluorescence Spectroscopy- Principle and Application, RSIC I.I.T. Bombay April 11-13(1998).
24. Solid State Physics Symposium, Bombay, Dec 27-31(1987).

Winter School/Summer School/QIP Short-term course.

1. One week CEP course on Linear Algebra and some other Mathematical principles for Electrical Engineers " organized by BATU at IITB, June 18-22, 2016
2. One week CEP course on EM wave propagation and antenna, DBATU , Feb 27- March 03, 2017
3. One week CEP course on Optimization in Design and Engineering, IIT Bombay, Nov 02-06 (2015)
4. One week short term course on Research Methodology, VJTI, Mumbai, Feb 3-7 (2014).
5. One week STTP course on Nanotechnology, Dr.B.A.T.Universitylonere, Raigad.Dec 10-14 (2012)
6. Two day Faculty development Program (TEQIP II) on Pedagogy, Dr. BATU Lonere. Dec 29-30 (2014)
7. Mission 10X, Dr.B.A.T.Universitylonere, Raigad. March 7-11 (2011)
8. Training programme under TEQIP in Enhancing skills for system program for Deans and HODs, VIT Pune, March 2-3 (2009).
9. Training programme under TEQIP on creativity and Innovation Techniques and Patenting in India and Abroad, Dr.BATU,Lonere,April 20-21,2006
10. Induction Training Programme for Engineering College Teachers organized by NITTR Bhopal, May2-13, 2006.
11. Training programme under TEQIP on Management Capacity and Vision Development at N. L. Dalmia Institute of Management Studies and Research Mumbai; January 23-25, 2006.
12. AICTE – ISTE sponsored short term training programme on Introduction to Software Architecture, Dr. B.A.Tech.University Lonere, June 23-July4, 2003.
13. AICTE – ISTE sponsored short term training programme on VLSI: Technology of the Future, Dr. B.A.Tech.University Lonere, 12 – 25th February 2003.
14. AICTE – ISTE sponsored short term training programme on campus wide network administration Dr. B.A.Tech.University Lonere 13 – 25th January 2003.
15. AICTE – ISTE sponsored short term training programme on Digital Image Processing and Pattern Recognition Dr. B.A. Tech. University Lonere July 30th – August 11th 2001.

16. AICTE – ISTE sponsored short term training programme on Intelligent Materials for the New Millennium, Pondicherry Engineering College, Pondicherry, May – 21 June1, 2001.
17. Synergogy seminar, Dr. B.A. Technological University Lonere March 17th - 18th and April 1-2 (2000).
18. A Refresher Course in Physics (Information Technology and Instrumentation), Bombay University, Nov 29-Dec 23 (2000).
19. AICTE - ISTE Winter school on Total Quality Management, Bombay March 16th – 27th (1998).
20. Summer school on Education Technology Dr. B. A. Tech. University Lonere May 10th – 21st (1998).
21. AICTE winter school on laser based Instrumentation, I.I.T. Kharagpur Dec. 14th – 25th (1998).
22. QIP short-term course on Technology Management, I.I.T Bombay Dec 7th – 13th (1998).
23. ISTE Summer school on Nuclear Energy and its application, T.T.T.I Chandigarh July 20-31 (1998).
24. QIP short-term course on Stirling cycle liquid Nitrogen plants, I.I.T. Bombay June 15th – 19th (1998).
25. QIP short-term course on Electrochemical Techniques: Principle and Practice, I.I.T. Bombay May 11-16 (1998)

References:

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