

Curriculum Vitae



Dr. Shankar Dhanraj Birajdar

Present Address

Department of Physics,
Dayanand Science College,
Latur – 413 512, Maharashtra, India.
Email Id: drshankarbirajdar@gmail.com
: shankarbirajdar2013@gmail.com
Website: <http://dsclatur.org>

Gender : Male
DOB : 20th Jan, 1985
Marital Status : Married
Mobile : +91-9822736542

Academic Qualification

2023 - Assistant Professor, Department of Physics (College with Potential for Excellence, UGC Re-Accredited to "A+" Grade by NAAC, DST-FIST Sponsored College & Best College Award from S. R. T. M. University, Nanded) Dayanand Science College, Latur-413512, Maharashtra, India.

2017 – 2023 Assistant Professor, Maharashtra Institute of Technology, (an Autonomous Institute) Aurangabad, Maharashtra, India.

2013 – 2016 Ph.D. in Physics, Department of Physics, (University Campus), Dr. B. A. M. University, Aurangabad, M.S (India), Maharashtra, India , Maharashtra, India.

2010 – 2013 Research Project Fellow, Major research Project, Department of Physics, (University Campus), Dr. B. A. M. University, Aurangabad, M.S (India), Maharashtra, India.

2007 – 2008 **B.Ed.** (Science and Math), Government College of Education, Nanded, Maharashtra, India.

2005 – 2007 **M.Sc. (Physics)**, Department of Physics, (University Campus), Dr. B. A. M. University, Aurangabad, M.S (India), Maharashtra, India.

2002- – 2005 **B.Sc. (Physics, Mathematics, Computer Science)**, Department of Physics, Shri. Chhatrapati Shivaji College, Omerga, Dist. Osmanabad, Maharashtra, India.

Areas of Research

- Magnetic nanomaterial (Soft and Hard magnetic material) synthesis and characterization application for biomedical.
- Binary Semiconductor material II-VI:TM/RE synthesis and application for Spintronics and Optoelectronics device

QUICK links

Web Address	Online link
Google Scholar	https://scholar.google.com/citations?user=p4OXNsYAAAAJ&hl=en&authuser=1
Web of Science	ACY-1013-2022
ORCID's ID	0000-0003-2821-3828
Scopus ID	56736617800
LinkedIn	https://www.linkedin.com/in/dr-shankar-dhanraj-birajdar-002293239/
Twitter	https://twitter.com/DrBirajdarSD
Facebook	https://www.facebook.com/profile.php?id=100083667167304&sk=about_details
Research gate profile	https://www.researchgate.net/profile/Shankar-Birajdar

Ph.D. Details

Ph. D thesis title: **Investigations of Structural, Optical, Electrical and Magnetic Properties of Transition Metals Doped ZnO Nanoparticles Synthesized by Wet Chemical Method.**

Guide Name: **Professor. K. M. Jadhav**
Ex-Head & senior professor, Department of Physics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, and Emeritus Professor, MGM University Aurangabad, (MS). India.

University: **Department of Physics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, (M.S), India.**

Date of Registration: **07 July 2013.**

Year of Award: **15 Dec 2016.**

List of Publications (Published in Refereed Journals):

1. Intrinsic defect-induced magnetism and enhanced photocatalytic activity in $Zn_{1-x}Zr_xO$ ($0.0 \leq x \leq 0.07$) nanoparticles for spintronic device and photocatalytic application.
Shankar D. Birajdar, Atul R. Saraf, Aruna P. Maharolkar, Ketan P. Gattu, Nilesh G. Patilb, Rushikesh B. Chavan, Mangesh V. Jamkar, Yuvraj S. Mundhe, Ravindra N. Kamble, Ravindra C. Alange, Shivam P. Yadav,
Journal of Alloys and Compounds 929 (2022) 167272
Published by Elsevier, Impact Factor: 6.37
2. Structural, morphological, optical, magnetic and electrical properties of Al^{3+} substituted nickel ferrite thin films
R. Chavan, **Shankar D Birajdar**, R. R Chilwar, K. M. Jadhav,
Journal of Alloys and Compounds, 735, 2018, 2287-22970
Published by Elsevier, Impact Factor: 6.37
3. Effect of iron oxide (Fe_2O_3) on the structural, optical, electrical, and dielectric properties of $SrO-V_2O_5$ glasses
D. B Sable, P. P Khirade, **Shankar D. Birajdar**, A. A Pandit, K. M Jadhav,
Glass Physics and Chemistry 43 (4), 2017 302-312 0
Published by Elsevier, Impact Factor: 0.883

4. Nd: YAG laser irradiation effects on structural and magnetic properties of $\text{Ni}_{1-x}\text{Zr}_x\text{Fe}_{2-2x}\text{O}_4$ nanoparticles
Tukaram S. Saraf, Jitendra S. Kounsalye, **Shankar D. Birajdar**, N. R. Shamkuwar,
Radiation Physics and Chemistry, 146, 2018, 96-104
Published by Elsevier, Impact Factor: 2.776
5. Sol-gel auto combustion synthesis, electrical and dielectric properties of $\text{Zn}_{1-x}\text{Co}_x\text{O}$ ($0.0 \leq x \leq 0.36$) semiconductor nanoparticles
Shankar D. Birajdar, Pankaj P. Khirade, T. S. Saraf, R. C. Alange, K. M. Jadhav,
Journal of Alloys and Compounds 691 (2017) 355-363
Published by Elsevier, Impact Factor: 6.37
6. Room temperature ferromagnetism and photoluminescence of multifunctional Fe doped BaZrO_3 nanoceramics
Pankaj P. Khirade, **Shankar D. Birajdar**, A.B. Shinde, K.M. Jadhav,
Journal of Alloys and Compounds 691 (2017) 287-298,
Published by Elsevier, Impact Factor: 6.37
7. Influence of Al–Cr co-substitution on physical properties of strontium hexaferrite nanoparticles synthesized by sol–gel auto combustion method
R C Alange, Pankaj P. Khirade, **Shankar D. Birajdar**, K. M. Jadhav,
Journal of Materials Science: Materials in Electronics, 28, 1, 407–417 (2017),
Published by Elsevier, Impact Factor: 2.779
8. Synthesis, structural, morphological, optical and magnetic properties of $\text{Zn}_{1-x}\text{Co}_x\text{O}$ ($0 \leq x \leq 0.36$) nanoparticles synthesized by sol-gel auto combustion method.
Shankar D. Birajdar, P. P. Khirade, V. R. Bhagwat, A. V. Humbe, K. M. Jadhav, **Journal of Alloys and Compounds, 683 (2016): 513-526.**
Published by Elsevier, Impact Factor: 6.37
9. Effect of Co^{2+} ions on structural, morphological and optical properties of ZnO nanoparticles synthesized by sol-gel auto combustion method.
Shankar D. Birajdar, R. Bhagwat, A. B. Shinde, K. M. Jadhav.
Materials Science in Semiconductor Processing, 41(2016) 441–449
Published by Elsevier, Impact Factor: 4.644
10. Presence of intrinsic defects and transition from diamagnetic to ferromagnetic state in Co^{2+} ions doped ZnO nanoparticles
Shankar D. Birajdar, Pankaj P. Khirade, Ashok V. Humbe, K. M. Jadhav
Journal of Materials Science: Materials in Electronics, 27(6), (2016) 5575-83.
Published by Springer, Impact Factor: 2.779
11. Multiferroic iron doped BaTiO_3 nanoceramics synthesized by sol-gel auto combustion: Influence of iron on physical properties.
Pankaj P. Khirade, **Shankar D. Birajdar**, A. V. Raut, K. M. Jadhav, **Ceramic International, 42 (10), (2016) 12441–12451.**
Published by Elsevier, Impact Factor: 5.532

12. Effect of Fe–substitution on phase transformation, optical, electrical and dielectrical properties of BaTiO₃ nanoceramics synthesized by sol-gel auto combustion method
Pankaj P. Khirade, **Shankar D. Birajdar**, A. V. Raut, K. M. Jadhav
Journal of Electro ceramics, 37, (1–4), 2016, 110–120
Published by Elsevier, Impact Factor: 1.814
13. Structural, electrical and dielectrical properties investigations of Fe-doped BaZrO₃ nanoceramics
Pankaj P. Khirade, **Shankar D. Birajdar**, Ashok V. Humbe and K. M. Jadhav
Journal of Electronic Materials, 45(6), (2016) 3227-3235
Published by Springer, Impact Factor: 2.047
14. Structural, electrical, dielectric, and magnetic properties of Cd²⁺ substituted nickel ferrite nanoparticles
B.H. Devmunde, A.V. Raut, **Shankar. D. Birajdar**, S. J. Shukla, D. R. Shengule and K.M. Jadhav,
Journal of Nanoparticles; 2016, <http://dx.doi.org/10.1155/2016/4709687>
Published by Hindawi
15. Effect of drug Piper nigrum on physicochemical properties of zinc chloride at varying concentration and temperature investigated through ultrasonic tool
Pallavi B. Nalle, **Shankar D. Birajdar**, B.R. Shinde, R.G. Dorik and K.M. Jadhav
Cogent Chemistry (2016), 2: 1216721
Published by Taylor & Francis
16. Structural, microstructural, and magnetic Studies on magnesium (Mg²⁺) substituted CoFe₂O₄ nanoparticles
Vithal Vinayak, Pankaj P. Khirade, **Shankar D. Birajdar**, D. B. Sable, K. M. Jadhav
Journal of Superconductivity and Novel Magnetism, 29 (4), 2016, 1025–1032
Published by Springer, Impact factor: 1.675
17. Structural, magnetic and dielectrical properties of Al–Cr co-substituted M-type barium hexaferrite nanoparticles.
R C Alange, Pankaj P. Khirade, **Shankar D. Birajdar**, A. V. Humbe, K. M. Jadhav,
Journal of Molecular Structure, 1106, (2016) 460-467
Published by Elsevier, Impact factor: 3.841
18. Investigations on the synthesis, structural and microstructural characterization of Ba_{1-x}Sr_xZrO₃ nanoceramics
P. P. Khirade, A. B. Shinde, A. V. Raut, **Shankar D. Birajdar**, and K. M. Jadhav
Ferroelectrics, 504, 2016, 1-14.
Published by Taylor and Francis

19. L-Ascorbic acid assisted synthesis and characterization of CoFe_2O_4 nanoparticles at different annealing temperatures. G. H. Kale, Ashok V. Humbe, **Shankar D. Birajdar**, A. B. Shinde, K. M. Jadhav, **Journal of Materials Science: Materials in Electronics**, 27(2), (2015) 2151-2158., **Published by Springer, Impact factor: 2.779**
20. Electrical and dielectrical properties of low-temperature-synthesized nanocrystalline Mg^{2+} substituted cobalt spinel ferrite
Vithal V., P. P. Khirade, **Shankar D. Birajdar**, R. C. Alange, K. M. Jadhav, **Journal of Superconductivity and Novel Magnetism**, 28 (11), (2015) 3351-6. **Published by Springer, Impact factor: 1.675**
21. Sol-gel Auto combustion synthesis, structural and micro structural investigations on Cr^{3+} Doped $\text{Y}_3\text{Fe}_5\text{O}_{12}$ Garnet Nanoparticles
J. Y. Kadam, Ashok V. Humbe, Pankaj P. Khirade, **Shankar D. Birajdar**, K. M. Jadhav **International Advanced Research Journal in Science, Engineering and Technology**, 4 (7), 2017, 235-239
22. Preparation and diverse properties of cobalt ferrite ferrofluid
Prashant B. Kharat, Jitendra S. Kounsalye, A V. Humbe, **Shankar D. Birajdar**, K. M. Jadhav **International Journal of Advanced Research in Basic and Applied Science (IJARBAS), Special Issue Jan-2017, 106-109**
23. Low temperature synthesis of magnesium doped cobalt ferrite nanoparticles and their structural Properties
Vithal Vinayak, P. P. Khirade, **Shankar D. Birajdar**, P. K. Gaikwad, N.D. Shinde, K. M. Jadhav, **International Advanced Research Journal in Science, Engineering and Technology**, 2 (3), 2015, 55-57
24. Effect of molar concentration variation on the crystallite size and energy band gap of CdS nanoparticles synthesized by wet chemical route.
Shankar D. Birajdar, A. B. Shinde, G. B. Kadam, M. N. Sarnaik, K. M. Jadhav, **International Journal of Advanced Research in Basic and Applied Science (ISSN: 2394-4072)**, 2 (1), (2015) 74-77.
25. Synthesis, structural and ultrasonic studies on ZnS Nanofluid synthesized by wet-chemical method.
Shankar D. Birajdar, P. P. Khirade, A.V. Humbe, P. S. Aghav, K. M. Jadhav, **International Journal of Science and Research**, 4, (2015) 497-499.
26. Synthesis and characterizations of $\text{SrFe}_{12}\text{O}_{19}$ hexaferrite nanoparticles.
R. C. Alange, P. P. Khirade, **Shankar D. Birajdar**, S. R. Nimbhore, K. M. Jadhav, **International Journal of Advanced Research in Basic and Applied Science (IJARBAS), (ISSN: 2394-4072) 2(1), (2015) 32-34.**

27. Influence of mixed fuel approach on the structural and electrical properties of cobalt ferrite nanoparticles.
V. R. Bhagwat, **Shankar D. Birajdar**, A. V. Humbe, P. P. Khirade, K. M. Jadhav,
International Journal of Advanced Research in Basic and Applied Science (IJARBAS),
(ISSN: 2394-4072), 2 (1), (2015) 4-7

28. Effect of Fe³⁺ substitution on Structural and Magnetic Properties of Barium Titanate Nanoceramics
P. P. Khirade, J.S. Kaunsalye, A.R. Chavan, D. Sable, **S. D Birajdar**, K. M. Jadhav
Bionano Frontier, (ISSN: 0974-0678) 8 (3), (2015) 154-156

29. Nanocrystalline Barium Hexaferrite (BaFe₁₂O₁₉) Ferrite: The structural Studies.
R. C. Alange, A.B. Shinde, V.G. Patil, **Shankar D. Birajdar**, L. B. Jadhavar,
K. M. Jadhav.
Science Park Research Journal, (Special Issue, ISSN: 2321-8045), 2015, 15-20.

30. Crystallographic and optical properties of Cadmium Sulfide nanoparticles synthesized by Wet Chemical Route.
Shankar D. Birajdar, Pankaj P. Khirade, Ashok V. Humbe, K.M. Jadhav,
International Journal of Advanced Research in Basic and Applied Science, (ISSN: 2394-4072), Special Issue, 1(1), (2014) 178-181

31. Sol-gel Auto Combustion Synthesis of Barium Zirconate (BaZrO₃) Nanocrystalline Ceramics, Pankaj P. Khirade, **Shankar D. Birajdar**, S. P. Jadhav, K. M. Jadhav,
1. **International Journal of Advanced Research in Basic and Applied Science (IJARBAS)** (ISSN: 2394-4072), 1(1) (2014).

32. Structural and microstructural characterization of Indium substituted Cobalt ferrite nanoparticles.
A. B. Shinde, Pankaj P Khirade, **Shankar D. Birajdar**, K. M. Jadhav,
International Journal of Advanced Research in Basic and Applied Science (IJARBAS), special Issue, 1(1), (2014) 8-11 (ISSN: 2394-4072)

33. Synthesis and characterizations of Ni-Cd ferrite nanoparticles by sol-gel auto-combustion technique
P. S. Bhalerao, **Shankar D Birajdar**, Vinay Mahale, M. B. Solunke
International Journal of Advanced Research in Basic and Applied Science (IJARBAS), (ISSN: 2394-4072), 2 (2), (2015) 10-12

34. Cation distribution studies on sol-gel synthesized Co-Zn spinel ferrite nanoparticles.
R. B. Aurade, **Shankar D. Birajdar**, S. D. More, U. B. Shinde, A. A. Pandit.
International Journal of Advanced Research in Basic and Applied Science (IJARBAS), (ISSN: 2394 4072), 2(1), (2015) 49-51.

35. Effect of iron oxide on the physical properties of BaO-V₂O₅ glass.
D. B. Sable, **Shankar D. Birajdar**, C. M. Kale, D. R. Sapate, A. A. Pandit, K. M. Jadhav,
International Journal of Advanced Research in Basic and Applied Science (IJARBAS),
(ISSN: 2394-4072), 2 (1), (2015) 94-95.
36. Synthesis and characterization of copper ferrite for catalytic studies.
Sudarshan D. Tapsale, V. S. Shinde, Ashok V. Humbe, **Shankar D. Birajdar**.
G. Patil, K. M. Jadhav,
International Journal of Advanced Research in Basic and Applied Science (IJARBAS),
(ISSN: 2394-4072), 2 (1), (2015) 120-122.
37. Structural, morphological and magnetic studies of CoIn_xFe_{2-x}O₄ nanoparticles
A.B. Shinde, **Shankar D. Birajdar**, M. K. Babrekar, N. N. Waghule, K.M. Jadhav
Bionano Frontier, 8 (3) 216-218, (ISSN 0974-0678, Online: 2320-9593)
38. Synthesis and characterization of Cobalt-Zinc ferrite nanoparticles using Citric acid + ethylene glycol fuel by sol gel auto combustion method.
V.R. Bhagwat, **Shankar D. Birajdar**, J.Y. Kadam, P. B. Bardapurkar and K. M. Jadhav
Medical Applications of pulse Laser and Diagnostic Techniques, ISBN: 978-81-930536-3-8,265

Papers in international conferences proceedings

1. Sol-gel auto combustion synthesis, structural and magnetic properties of Mn doped ZnO nanoparticles
Shankar D. Birajdar, R. C. Alange, S. D. More, V. D. Murumkar, K. M. Jadhav
2nd International Conference on Materials Manufacturing and Design Engineering,
Procedia Manufacturing, 20, 2018, 174-180
Published by Elsevier
2. Enhancement of electrical resistivity in nickel doped ZnO nanoparticles
Pallavi G. Undre, **Shankar D. Birajdar**, R. V. Kathare, K. M. Jadhav
2nd International Conference on Materials Manufacturing and Design Engineering,
Procedia Manufacturing, 20, 2018, 477-480
Published by Elsevier
3. Structural, morphological and magnetic properties of pure and Ni doped ZnO nanoparticles synthesized by sol-gel method
Pallavi G. Undre, **Shankar D. Birajdar**, R. V. Kathare, K. M. Jadhav,
2nd International Conference on Condensed Matter and Applied Physics (ICC-Nov-2017)
American Institute of Physics Conference Proceedings 1953 (1), 030195 (2018)
4. Synthesis and characterization of water based NiFe₂O₄ ferrofluid
Prashant B. Kharat, M. V. Shisode, **S. D. Birajdar**, D. N. Bhojar, and K. M. Jadhav,
American Institute of Physics Conference Proceedings 1832, 050122 (2017)

5. Polyethylene glycol coated CoFe_2O_4 nanoparticles: a potential spinel ferrite for Bio-medical application. Ashok V. Humbe, **Shankar D. Birajdar**, K. M. Jadhav, **In SOLID STATE PHYSICS: Proceedings of the 59th DAE Solid State Physics Symposium 2014, 2015 Jun 24 (Vol. 1665, No. 1, p. 050138)**,

National/ International Patent:

1. **Patent by Government of India (2021) (Granted 06-Jan 2022) Grant No: 411467**
Patent Application No: 202221000785, Patent File date: 06/1/2022, The Patent Office Journal No. 08/2022 Dated 25/02/2022, Page No. 10782,
Title: **“Automotive vehicle health monitoring and damage detection system using microstrip and nanostrip antenna technique”**
2. **Patent by Government of India (Published)**
Patent Number: 202121049293, Patent File date: 28/10/2021, The Patent Office Journal No. Dated: 47/2021 Dated 19/11/2021, Page No. 54732
Title: **“System for utilization of waste etchant in photochemical machining”**
3. **Patent by Government of India (Granted 31-March 2022), Grant No: 426474**
Patent Number: 202221019390, Patent File date: 31/03/2022, The Patent Office Journal No and Date: 21/2022 Dated 27/05/2022, Page No.32133
Title: **“A microstrip antenna-based dynamometer for force measurement”**
4. **Patent by Government of India (Published)**
Patent Number: 202221063080, Patent File date: 04/11/2022, The Patent Office Journal No and Date: 45/2022 Dated 11/11/2022, Page No. 71674
Title: **“A microreactor arrangement for conversion of CO_2 into ethanol in combination with nanolayer and nanomaterial-based electrodes and process thereof”**

Paper (Oral & Poster) Presentations:

[A] International Conferences:

1. **Presented research paper in 2nd International Conference on Materials, manufacturing and Design engineering**, organized MIT, Aurangabad in Association with Dr. BATU, Lonere on dated **11th and 12th December 2017**.
2. **Presented research paper in International Conference on Functional Material and Microwaves (ICFMM-2015)**, during December 28-30, 2015, organized by department of physics, Dr. B. A. Marathwada University, Aurangabad.
3. **Presented research paper in “International Symposium on Ultrasonics (ISU-2015)”**, Organized by the Department of Physics & Department of Electronics,

Rashtrasant Tukadoji Maharaj, Nagpur University, held on **22-24, Jan 2015**

4. **Presented research paper** in **International Conference on “Nano, Bio and Material Science (ICONBMS-2014)”** organized by the Department of Physics, Nizam College, Basheerbagh, Osmania University, Hyderabad-500001, A.P. India, and held on date **8th - 10th January 2014**.

[B] National Conferences

1. **Presented research paper** in 103nd Indian Science Congress (ISCA-2016), held at **Mysore University**, during, **3-7, Jan 2016**. Proceedings of the 103nd ISCA (2016) 117-118.
2. **Presented research paper** in 102nd Indian Science Congress (ISCA-2015) held at **Mumbai University**, Mumbai during, **3-7, Jan 2015**.
3. **Presented research paper** in **“National Conference on Material Science-2014”**, Organized by the Department of Physics Mrs. K. S. K. alias Kaku Arts, Science and Commerce College. Beed, M.S., India, held on **12th - 13th, Dec 2014**

Professional Activities

1. Life Member of Indian Science Congress (ISCA)
2. Peer Reviewer Member of [Materials Chemistry and Physics](#) (Elsevier)
3. Peer Reviewer Member of [Journal of Materials Science: Materials in Electronics](#) (Elsevier)
4. Peer Reviewer Member of [Journal of Inorganic and Organometallic Polymers](#) (Elsevier)

Invited talks delivered.

Invited as Speaker for One-week STTP on **Advances in Materials and Manufacturing Technology (AMMT)** organized by Department of Mechanical Engineering and Dr. Babasaheb Ambedkar Technological University Lonere, MS, India, on date 1st to 6th March-2019, under the aegis of technical education quality improvement program

Topic: Nanotechnology and Synthesis Techniques of Nanomaterial.

Participation in National Conference /Seminar/ Workshops

- 1. Participated** State Level Seminar on “**Nano basics and its applications**” sponsored by BCUD Savitribai Phule Pune University, Pune, organized by R. B. Narayanrao Borawake College, Shrirampur, Dist. Ahmednagar held on **18-19, January 2016**.
- 2. Participated** one day acquaintance programme-2015 “**Awareness about facilities and Research Opportunities at Inter University Accelerator Centre (IUAC), New Delhi**”, organized by the Department of Physics, Dr. B.A. Marathwada, University, and Aurangabad and held on **1 May 2015**.
- 3. Participated** National conference on “**Medical Application of Pulse Laser Diagnostic Techniques**” organized by the Department of Physics, Adarsha Mahavidyalaya Omerga, and held on **27, 28, Jan 2015**.
- 4. Participated** National Level Seminar on “**Role of Chemical Sciences in Overall Development of Human Beings**” (**RCSODHB-2015**) organized by the Department of Chemistry, Adarsha Mahavidyalaya Omerga, and held on **23-24, Jan 2015**.
- 5. Participated** National level conference on “**non-Conventional energy Sources for rural development of India**” organized by the Department of Physics, Mahatma Gandhi Mahavidyalaya Ahmedpur, and held on **5th and 6th Sept 2014**.
- 6. Participated** National level Seminar on “**Innovative Teaching Methods in Physics**” organized by the Department of Physics, Deogiri College, Aurangabad, and held on **30th and 31th August 2013**.
- 7. Participated** in “**Industrial Technical Training Program**”, organized by the Dr. Babasaheb Ambedkar Marathwada University, Aurangabad and Endress Hauser at Department of computer Science and Information technology, during **8th to 12th July-2013**.
- 8. Participated** “**Theme meeting on Synchrotron based EXAFS: Techniques and Applications**” held at Raja Ramana Centre of Advanced Technology, Indore , Madhya Pradesh and held on **27-28 September 2012**
- 9. Participated** “**National Conference on nanotechnology (NCN-2012)**”, U. G. C. sponsored, Organized by Department of Physics, Maharashtra Mahavidyalaya, Nilanga, and held on **07-08, September 2012**.

10. National workshop on **“Nanotechnology and Intellectual property Rights and Patents in Science and Technology from nanotechnology Perspectives (NIPRpst-2012)”** organized by the Department of Nanotechnology, Dr. B. A. Marathwada, University, Aurangabad, held on **16-17, Feb-2012**
11. Short term Course on **“Analytical- Techniques and Instrumentation with hands on Practice”** Organized by Western Regional Instrumentation Centre (WRIC), Mumbai, held on **23rd to 25th, August 2011**
12. **One day workshop on Physics Practical’s**, (B.Sc. IIIrd and IVth Semester) Organized by the Department of Physics, Deogiri College, Aurangabad, held on **22nd, January 2011**
13. Participated On **“Nano technology and its application in Polymaterials and Biomaterial”** Organized by Department of Physics, New Arts Commerce and Science college Shevagaon, Ahmednagar, and held on **12th and 13th, Jan-2010**
14. Participated one day Orientation Program on **“Effective teaching in Physics and Electronics”** Organized by Department of Physics, Shivchhatrapati College, Aurangabad, held on **5th, December 2010**
15. Participated on **“National conference on Current Trends in Materials research for advanced technology (NCMART-2007)**, Organized by department of Physics, Dr. B. A. Marathwada, University, and Aurangabad, held on **29-31, Jan 2007**

Administrative Work

- Worked as organizing committee member of **International Conference on Materials, Manufacturing and Design Engineering (iCMMD-2017)**, organized by Marathwada Institute of Technology, Aurangabad and Dr. Babasaheb Ambedkar Technological University, Lonere, Maharashtra, held on **11th and 12th Dec, 2017**
- Worked as flying squad for university exam.
- Worked as a member of admission committee.
- Worked as the question setter of Engineering Physics subject in the Dr BATU, University Examinations for the first year of the Bachelor of Technology

Teaching Experience

Sr. No.	Organization	Post/Teaching	From	To	Years
1	Shiv Chhatrapati college, N-3, Cidco, Aurangabad	Junior Lecturer (C.H.B)	July,6, 2009	June 30 ,2011	02
2	Department of Physics, Dr. B. A. M. University, Aurangabad, M.S (India)	Postgraduate (C.H.B)	Jan 02,2017	May 31,2017	05 Month
3	Maharashtra Institute of Technology, (Autonomous Institute) Aurangabad	Assistant Professor (Approved)	21-09-2017	28/02/2023	5 years 5 months
4	Department of Physics (College with Potential for Excellence, UGC Re- Accredited to "A+" Grade by NAAC, DST-FIST Sponsored College & Best College Award from S. R. T. M. University, Nanded) Dayanand Science College, Latur-413512, Maharashtra, India.	Undergraduate, Assistant Professor,	1-03-2023	onwards	

Subject Taught

<input checked="" type="checkbox"/> Engineering Physics <input checked="" type="checkbox"/> Nuclear Radiation, Dosimetry, and Instrumentation	<input checked="" type="checkbox"/> Basic Human Right	<input checked="" type="checkbox"/> Development of Engineering
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NPTEL FDP Certification

Start Date	End Date	Duration (Weeks)	Course Name	Marks (Out of 100)	Performance
21/9/2020	25/9/2020	01	<i>Sensors Technology</i>	79	Successfully Completed
26/07/2020	07/08/2020	04	<i>Structural Analysis of Nanomaterial</i>	68	Successfully Completed

Date: 01-03-2023

Dr. S.D. Birajdar

Place: Latur