



Shivaji College Faculty Details Proforma

Title	Dr.	First Name	L.	Last Name	Thansanga	Photograph
Designation		Assistant Professor				
Address		Department of Physics Shivaji College (University of Delhi) Raja Garden, Ring Road, New Delhi 110027				
Office Phone No.		011-25116644, 011-25155551				
Residence		+91-8414049026 / +91-9612782243				
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Email		sanga.physics@shivaji.du.ac.in				
Web-Page		https://orcid.org/0000-0002-1436-5444 https://www.scopus.com/authid/detail.uri?authorId=57211340942 https://scholar.google.co.in/citations?user=-LBjbi4AAAAJ&hl=en&oi=ao https://www.researchgate.net/profile/L-Thansanga-2				
Educational Qualifications						
Degree		University/Institute			Year	
Ph.D.		National Institute of Technology Mizoram (NIT Mizoram)			2021	
PG		Mizoram University (MZU)			2013	
UG		Pachhunga University College (PUC)			2011	
Any Other Qualification		1. Diploma in Computer Application - I 2. Course on Computer Concepts 3. Office Assistant Course			2019 2017 2012	
Career Profile						
Assistant Professor (Permanent), Department of Physics, Shivaji College (DU), New Delhi. From December 2023 to date.						
Administrative Assignments						
Inclusion Committee (CFPI, Enabling Unit, and North-East Cell), Shivaji College (DU)						

Areas of Interest/Specialisation
<ul style="list-style-type: none"> ➤ Condensed Matter Physics ➤ Experimental Materials Science ➤ Materials Synthesis and Analysis ➤ Ceramic Materials ➤ Ferroelectrics ➤ Ferromagnets ➤ Multiferroics ➤ Electronic materials and their applications ➤ Rare-Earth doped Bismuth Ferrite ➤ Perovskite Materials ➤ Nanomaterials
Subjects Taught
<ol style="list-style-type: none"> 1. Communication System [B.Sc. (H) Physics Semester-VI] 2. Document Preparation and Presentation Software [SEC Semester-II] 3. LaTeX for Academic Writing (Value Added Course)
Innovation Project/Research Projects (Major Grants/Research Collaboration)
Publications Profile (Research Papers/Books)
<ol style="list-style-type: none"> 1. Study of effect of Dy substitution on Structural, Dielectric, Impedance and Magnetic Properties of Bismuth Ferrite. L. Thansanga, Alok Shukla, Nitin Kumar, R.N.P. Choudhary. Journal of Materials Science: Materials in Electronics 31, 10006-10017 (2020) DOI: https://doi.org/10.1007/s10854-020-03545-x. 2. Studies of structural, dielectric and electrical characteristics of Bi(Fe_{0.85}Y_{0.15})O₃ Ceramics. L. Thansanga, Alok Shukla, Nitin Kumar, R.N.P. Choudhary. Phase Transitions 94(1), 47-61 (2021), DOI: https://doi.org/10.1080/01411594.2021.1876234. 3. Studies of structural, electrical and ferroelectric characteristics of gadolinium and yttrium modified bismuth ferrite. L. Thansanga, Alok Shukla, Nitin Kumar, R.N.P. Choudhary. Materials Chemistry and Physics 263, 124359 (2021), DOI: https://doi.org/10.1016/j.matchemphys.2021.124359. 4. Structural, dielectric, impedance and ferroelectric properties of lead-free Bi(Fe_{0.85}Dy_{0.15})O₃ ceramic. L. Thansanga, Alok Shukla, Nitin Kumar, R.N.P. Choudhary. Journal of Materials Science: Materials in Electronics 32, 21337-21349 (2021). DOI: https://doi.org/10.1007/s10854-021-06636-5. 5. Study of Effect of Y substitution on structural, dielectric, impedance and magnetic properties of Bismuth Ferrite. L. Thansanga, Alok Shukla, Nitin Kumar, R.N.P. Choudhary, IOP Conference Series: Material Science & Engineering 798, 012008 (2020). DOI: https://doi.org/10.1088/1757-899X/798/1/012008. 6. Structural, electrical and ferroelectric characteristics of lead-free ceramic: Bi(Fe_{0.85}Gd_{0.15})O₃. L. Thansanga, Alok Shukla, Nitin Kumar, D. S. Raghuwanshi, R. N. P. Choudhary, Ferroelectrics 587, 174-189 (2022). https://doi.org/10.1080/00150193.2022.2034426 7. Structural, electrical, and magnetic characteristics of eco-friendly Dy modified BiFeO₃ ceramics. L. Thansanga, Alok Shukla, P.C. Lalngilneia, R.N.P. Choudhary, <i>Ferroelectrics</i> 617, 25-42 (2023). DOI: https://doi.org/10.1080/00150193.2023.2271130

8. Structural and Electrical Characteristics of Bi(Fe_{0.95}Y_{0.05})O₃ Ceramic.

Alok Shukla, **L. Thansanga**, Journal of International Academy of Physical Sciences 22(2), 153-162 (2018). [ISSN 0974 – 9373]

Conference/Seminar/Faculty Development Programme/Workshop

Presentation in National/International Conferences:

1. Poster presentation on Study on electrical properties of Bi(Fe_{0.95}Gd_{0.05})O₃ material.

L. Thansanga, Alok Shukla, R.N.P. Choudhary. *International Conference on Chemistry & Environmental Sustainability (ICCES-2019)*, 19-22 February, 2019 at Mizoram University, Aizawl-796004.

2. Oral presentation on Structural, Dielectric and Impedance characteristics of Bi(Fe_{0.90}Y_{0.10})O₃ Ceramic.

L. Thansanga, Alok Shukla. *National Conference on Functional Materials and Applications-2019 (NCFMA-2019)*, 22-23 November 2019, NIT Mizoram, Aizawl – 796012.

3. Oral presentation on Study of Structural, Dielectric, Impedance and Ferroelectric Properties of Bi(Fe_{0.85}Dy_{0.15})O₃ Composite Ceramics.

L. Thansanga, Alok Shukla, *International Seminar on Recent Advances in Science and Technology (ISRAST)* 16-18 November 2020, Mizoram University, Aizawl-796004.

4. Oral presentation on Structural, Electrical and Ferroelectric Characteristics of Eco-Friendly Composite Ceramic: Bi(Fe_{0.85}Gd_{0.15})O₃.

L. Thansanga, Alok Shukla, Nitin Kumar, R.N.P. Choudhary, *XXI National Seminar on Ferroelectrics and Dielectrics-2021 (NSFD-2021)*, 10-13 January, 2021, RTM Nagpur University, Nagpur-440001.

5. Oral presentation on Studies on Dielectric and Magnetic Properties of Yttrium Doped Bismuth Ferrite Ceramic Material.

L. Thansanga, Alok Shukla, Nitin Kumar, R.N.P. Choudhary, *2nd Online International Conference On Advances in Physical, Mathematical and Computational Sciences*, 23-24 July 2021, St. Aloysius College, Jabalpur – 482004.

6. Oral presentation on Structural, Electrical and Magnetic Characteristics of Eco-friendly Dy Modified BiFeO₃ Ceramics.

L. Thansanga, Alok Shukla, P.C. Lalngilneia, R.N.P. Choudhary, *XXII National Seminar on Ferroelectrics and Dielectrics-2022 (NSFD-2022)*, 17-19 December 2022, Department of Physics, School of Advanced Sciences, VIT-AP University, Near Vijayawada -522241.

Faculty Development Program/Workshop/Seminar Attended:

1. Participated in National Level One Week Faculty development Programme on “**Research Methodology**” **26 April – 01 May 2021**, Organized by Amar Sewa Mandal’s Kamla Nehru Mahavidyalaya, Nagpur.

2. Participated in Three Days National Online FDP on “**ICT Tools for Effective Teaching Learning**”, **08 – 10 June 2021**, Organized by IQAC, Kamla Nehru Mahavidyalaya, Nagpur.

3. Participated in AICTE Training And Learning (ATAL) Academy Online Elementary FDP on “**Novel Materials and their Applications**” **19 - 23 July 2021**, Organized by Maharaja Ranjit Singh Punjab Technical University, Bathinda Punjab.

4. Participated in AICTE Training And Learning (ATAL) Academy Online Elementary FDP on “**Novel Materials**” **23 - 27 August, 2021** Organized by Department of Mechanical Engineering SRMIST, NCR Campus, Ghaziabad, UP – 201204.

5. **Participated** in AICTE Sponsored One Week Faculty Development Program on **“Novel Materials” 04 – 08 October, 2021** Organized by Department of BS&HSS (Physics), NIT Mizoram, Chaltlang Dawrkawn, Aizawl, Mizoram -796012
6. **Participated** in International One Week Faculty Development Programme on **“Research Methodology” 02 – 07 May, 2022** Organized by Amar Sewa Mandal’s Kamla Nehru Mahavidyalaya, Nagpur, Maharashtra. – 440024
7. **Participated** in National One Week Faculty Development Programme on **“ICT Tools for Effective Teaching and Learning” 23-28 May, 2022** Organized by Amar Sewa Mandal’s Kamla Nehru Mahavidyalaya, Nagpur, Maharashtra. – 440024
8. **Participated** in Faculty Induction/Orientation Programme for **“Faculty in Universities/ Colleges/Institutes of Higher Education” 22 Jan – 20 Feb, 2024** Organized by Ramanujan College, University of Delhi, CR Park Main Road, University of Delhi Block H, Kalkaji New Delhi-110019.
9. **Participated** in Online Two-Week Refresher Course – **“PHYSICS” 30 Mar – 12 April, 2024** Organized by Ramanujan College, University of Delhi, CR Park Main Road, University of Delhi Block H, Kalkaji New Delhi-110019.
10. **Participated** in National Seminar on **“Technical Education: Quality not Quantity – Need of the Nation”** 25 - 26 June, 2018, National Institute of Technology Mizoram, Aizawl- 796012.
11. **Participated** in Workshop on **“Quantum Science and Technology”** 29-31 July 2019, Department of Physics, Pachhunga University College, Aizawl-796005.
12. **Participated** in National Workshop on **“Ethics in Research and Preventing Plagiarism (ERPP-2019)”** 03 October 2019, Mizoram University, Aizawl-796004.
13. **Participated** in One Day Workshop on **“Recent Advances in Theoretical and Condensed Matter Physics”**, 26 February 2020, Department of Physics, Pachhunga University College, Aizawl-796005.
14. **Participated** in Short Term Course on **“Materials Synthesis and Characterization Techniques”**, 07 - 11 September 2020, Jointly organized by Department of Physics NIT Uttarakhand, Department of Physics SLIET Longowal and Department of Physics HNBGU Srinagar Garhwal.
15. **Participated** in Online Workshop on **“Rietveld Refinement Method”**, 22 - 24 September 2020, UGC-DAE Consortium for Scientific Research, Mumbai Center in association with Indore Center.
16. **Participated** in Short Term Course on **“Recent Advances in Optical and Magnetic Materials”**, 14 - 18 December 2020, Jointly organized by Department of Physics NIT Uttarakhand and Department of Physics SLIET Longowal.
17. **Participated** in 5-Days Short Term Course **“Advanced Material Characterization Techniques and Applications”**, 06 - 10 January 2021, Jointly organized by Department of Production and Industrial Engineering & Department of Electronics and Communication Engineering, National Institute of Technology Jamshedpur.
18. **Participated** in Workshop on **“Powder X-ray Diffraction Techniques and its Applications”**, 20 – 21 January 2021, Organized by North East Centre for Biological Sciences and Healthcare Engineering, Indian Institute of Technology Guwahati, Assam India in collaboration with Bruker India Scientific Pvt. Ltd.
19. **Participated** in One Week online Short Term Course on **“Smart Materials: Processing and Applications”** 15 – 19 November, 2021 Jointly Organized by Department of Physics, NIT Uttarakhand and Department of Physics, IIT Roorkee.

Research Guidance (<i>Supervision of Doctoral Thesis/Dissertations</i>)
Awards and Distinctions
Memberships
<ol style="list-style-type: none">1. Life Member in Indian Association of Physics Teachers (IAPT), (Membership Number: 14339 L9261)2. Life Member in Materials Research Society of India (MRSI), (Membership Number: LMB3829)
Other Academic Activities
<ol style="list-style-type: none">1. Resource Person in “Hands on Training on Synthesis and Characterization of Ferroelectrics (HTSCF)” 10-17 February, 2023 organized by Department of Basic Science, Humanities and Social Sciences (Physics), NIT Mizoram, Aizawl - 7960122. Organizer in “QUANTA’24” 19 March 2024 – Annual Fest of INVENIO organized by The Physics Society of Shivaji College (University of Delhi), Raja Garden, New Delhi - 1100273. Organizing Committee in National Conference on Functional Materials and Applications-2019 (NCFMA-2019), 22-23 November, 2019 organized by Department of Basic Science, Humanities and Social Sciences (Physics), NIT Mizoram, Aizawl – 7960124. Organizing Committee in “International Workshop on Computer Simulation Methods – 2023 (IWCSM – 2023)” 16 – 20 October, 2023 organized by Department of Basic Science, Humanities and Social Sciences (Physics), NIT Mizoram, Aizawl – 796012
Cultural/Extracurricular Activities
<p>➤ Organising Committee in the “Expert Talk and Poster Competition” on 10th April, 2024 Organised by Department of Physics in Collaboration with the Department of Biochemistry, Life Sciences & Environmental Studies, Shivaji College (DU) under the aegis of “SHIVRAJ 350” for celebrating the 350th Anniversary of Coronation of Chhatrapati Shivaji Maharaj.</p>



Signature of Faculty Member