RESUME

Dr. SHAILENDRA J. KHAMBADKAR
C/o Krishna T. Hedau, Plot No. 150,
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Tal – Umrer, Dist - Nagpur- 441203 Maharashtra
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OBJECTIVES

To obtain a suitable job as per my personal competencies & my financial requirements, this provides me to grow in my future & learn the things which are important to deliver result for organization.

EDUCATIONAL QUALIFICATION

Ph.D. (Physics):- Awarded **Ph.D. Degree in Physics** in accordance with UGC minimum Standard & Procedure for Regulation 2009 as per notification **No. RTMNU/Ph.D. (Cell)/06/489** issued **Dated 14/06/2019** by **R. T. M. NAGPUR University** under the Supervision of Dr. C. M. Dudhe (Associate Prof.) Government Institute of Science, Nagpur.(2019)

Title :- "Effect of Impurities on the properties of ABO_3 Type Nanosized Ferroelectrics."

(Regd. No. Ph.D. (Cell)/RRC/211 Nagpur, dated 23/04/2013.)

List of Publication (International Journal)

[1] C. M. Dudhe, S. B. Nagdeote, **S. J. Khambadkar**, P. R. Arjunwadkar, R. R. Patil, "Study of 90^o and 180^o nanodomains in $BaTiO_3$ nanoparticles using transmission electron microscopy." **Ferroelectrics,** 471, (**2014**) 148-155.

[2] C. M. Dudhe, **S. J. Khambadkar**, "Domain morphology controlled crystal habits in $PbTiO_3$ nanocrystals." **Journal of Alloys and Compounds**, 648, (**2015**) 92-97.

[3] C. M. Dudhe, **S. J. Khambadkar**, S. B. Nagdeote, "Understanding nanodomains in Ferroelectric nanoparticles by transmission electron microscopy." **Materials Letters**, 161, **(2015**) 514-516.

[4] C. M. Dudhe, **S. J. Khambadkar**, N. V. Dhoke, "Toroidal ferroelectricity in Perovskite nanoparticles." **Scripta Materialia** 131, (**2017**) 89-92.

[5] C. M. Dudhe, **S. J Khambadkar**, P Koinkar, "Ferroelectric behavior in nanocrystalline $KNbO_3$ synthesized by a modified polymerized complex method" **Ferroelectrics** (2018) 531 (1), 157-166

[6] C. M Dudhe, **S. J Khambadkar**, "Oxygen vacancy dependent structural phases in $KNbO_3$" **Materials Letters** (2018) 216, 97-100.

[7] P Thakur, **S. J Khambadkar**, A Patil, C. M Dudhe, P Thombare, "Characterization and photoluminescence of Dy^{3+} doped $CaTiO_3$ nanoparticles prepared by sol-gel method" **Indian Journal of Pure & Applied Physics**, (2018) 56, 853-858

[8] **S. J. Khambadkar**, S. B. Nagdeote, C. M. Dudhe , D.V. Nandanwar "Ferroelectric parameters of Nano sized $BaTiO_3$ at different Electric Fields". **International Journal of Researches in Bioscience, Agriculture and Technology**, 2, Volume-1, (2014) 488-493.

[9] C. M. Dudhe, B. K. Sakhare , S. S. Panchbhai , **S. J. Khambadkar**, N. V. Dhoke, C.P. Chaudhari , U.A. Palikundwar, "A logical explanation of structurally unfit X-ray diffraction peaks in nanoferroelectrics". **Bulletin of Materials Science**, (*2018*) 1528-32.

Master Degree in Science M.Sc. (Physics):- completed from Government Institute of Science, Nagpur from R. T. M. NAGPUR University with IInd division (B+) in (2010)

Bachelor's Degree in Science (B. Sc.):- completed from Nutan Adarsh Science collage, Umrer from R. T. M. NAGPUR University with IInd division in (2008).

Bachelor's Degree in Education (B. Ed.):- completed from Umrer Sikshan Mahavidyalaya, Umrer from R. T. M. NAGPUR University with 60.57% in (2012).

H.S.C. : - completed from Jeevan Vikas Vidyalaya & Junior College, Umrer from NAGPUR Board with IInd division in (2004).

S.S.C. : - completed from Jeevan Vikas Vidyalaya & Junior College , Umrer from NAGPUR Board with Ist division in (2002).

WORK EXPERIENCE

1. Work as a Assistant Professor on Clock Hour basic (CHB) in Physics in **Nutan Adarsh Mahavidyalaya, Umrer** for the year 2015-16, 2016-17, 2017-18, 2018-19, 2019-20, 2021-22, 2022-23, 2023-2024 and Still Working. (8 Years)
2. Worked at **Ashok Junior Mahavidyalaya, Umrer** as a Lecturer on Clock Hour basic (CHB) in Physics during Session 2013- 14, 2014-15. (2 Years)
3. Worked at Umrer Polytechnic, Umrer (KDK group) as a Lecturer / Laboratory In-charge in Science & Humanities Dept. since Session 2010- 13. (3 Years)

EXTRA ACTIVITIES

- **Publish paper And Attain International conference** on Application of Advanced Material for Sustainable Development at Nagpur on topic "Ferroelectric Parameters of Nano sized $BaTiO_3$ at Different Electric Fields." ISSN No. (Online) 2347-517X.
- Attain National Level Conference on RTBAM. (Recent trends in Basic & Applied Physics)
- Working in AICTE Report committee of college, MSBTE Theory exam etc.
- Participated in "One Day National Symposium on NEP 2020: a global perspective for HEI's".
- Attain one week International workshop on **"Nano-Engineering Science & Technology"** by VVCS & MAKC
- Participated in the **"MS-DEED Programme Level 1"** in person Workshop on **Introduction to Innovative Padagogies for UG-PG Teacher** conducted by **IISER Pune and MSFDA.**
- Attain **"NEP 2020 Orientation and Sensitization Programme"** under **Malaviya Mission Teacher Training Programme (MM-TTP)** of UGC organized by RTMNU, Nagpur.

COMPUTER LITERACY

- MS-CIT (81%), DISA
- Tally 7.2, 8.4, 9.1
- Knowledge of C –Languages.

PERSONAL INFORMATION

Father Name	**: -**	Janardhan A. Khambadkar
Mother Name	**: -**	Hemlata J. Khambadkar
Date of Birth	**: -**	04/01/1987
Gender	**: -**	Male
Marital Status	: -	Married
Nationality	**: -**	Indian
Proficiency in	: -	English, Hindi, Marathi
Hobbies	: -	Music listening, Cricket, Book Reading

Reference

1. **Prof. Dr. C. M. Dudhe – 09850488731**
   (Professor) Head, Department of Physics,
   Institute of Science, Nagpur.

Declaration

I hereby declare that the above information furnished by me is authentic to the best of my knowledge and belief.

Dr. Shailendra J. Khambadkar

List of Publication

[1] C. M. Dudhe, S. B. Nagdeote, **S. J. Khambadkar**, P. R. Arjunwadkar, R. R. Patil, "Study of 90^o and 180^o nanodomains in $BaTiO_3$ nanoparticles using transmission electron microscopy." **Ferroelectrics,** 471, (**2014**) 148-155.

[2] C. M. Dudhe, **S. J. Khambadkar**, "Domain morphology controlled crystal habits in $PbTiO_3$ nanocrystals." **Journal of Alloys and Compounds**, 648, (**2015**) 92-97.

[3] C. M. Dudhe, **S. J. Khambadkar**, S. B. Nagdeote, "Understanding nanodomains in Ferroelectric nanoparticles by transmission electron microscopy." **Materials Letters**, 161, **(2015**) 514-516.

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[6] C. M. Dudhe, B. K. Sakhare , S. S. Panchbhai , **S. J. Khambadkar**, N. V. Dhoke, C.P. Chaudhari , U.A. Palikundwar, "A logical explanation of structurally unfit X-ray diffraction peaks in nanoferroelectrics". **Bulletin of Materials Science**, (*2018*) 1528-32.

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