

LARAMBHA COLLEGE, LARAMBHA

Faculty Profile

Name: Dr. Bomkesh Bhoi

Designation: Lecturer in Physics

Department: Physics

Areas of Interest/Specialization: Material Science and Electronics

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1. Educational Qualifications:

SI No	Qualification	Institution	Year
1.	10 th	M. L. High School, Attabira	2007
2.	+2	Manikeswari College, Garh-Tumulia, Sundargarh	2009
3.	B.Sc.	G.M.(Auto) College, Sambalpur	2012
4.	M.Sc.	G.M.(Auto) College, Sambalpur	2014
5.	PhD	Gangadhar Meher University, Sambalpur	2024
6.	NET-JRF	CSIR, Delhi	2016
National Level Exam Qualification			
1.	GATE	Indian Institute of Science, Bangalore (AIR 278)	2016
2.	JEST	JEST (AIR 229)	2016
3.	IIT-JAM	IIT Delhi	2013

2. Teaching Experience (in year):

SI No.	Organization	Position Held	Duration
1.	G.M. (Auto) College, Sambalpur	Guest faculty	2014-2015
2.	Burla N.A.C College, Sambalpur	Lecturer	7/10/2016 to 31/07/2026
3.	Larambha College, Larambha	Lecturer	01/08/2026 to Present

3. Research and Publication:

A) Research Papers:	
1.	B. Bhoi and P. Purohit, "A brief review on the status of binary and ternary relaxor PT materials", Mater. Today Proc. (2022), 62(8), pp 5298. https://doi.org/10.1016/j.matpr.2022.03.366
2.	B.Bhoi and P.Purohit, "From raw materials to functional material: synthesis and piezoelectric characterization of PIN-PT binary relaxor material", Int.J. Mater.Res. (2024), 115(11-12), pp 927. https://doi.org/10.1515/ijmr-2024-0070
3.	B.Bhoi and P.Purohit, "Binary relaxor piezoceramic Pb (Mg _{1/3} Nb _{2/3})O ₃ PbTiO ₃ for energy harvesting" Int. J. of Adv. In Appl. Sci. (2025), 14(1), pp 276. http://doi.org/10.11591/ijaas.v14.i1.pp276-281
4.	B. Bhoi, B. B. Joshi, and P. Purohit, "Energy Harvesting Circuits with Piezoelectric Material: Design, Integration, and Optimization", Journal of Polymer & Composites (2025), 13(1), DOI (Journal): 10.37591/JoPC
5.	B Bhoi, F Patel, and P Purohit, "Journey of Lead Free Piezo-ceramic Materials", Goya Journal (2025), 18(9), pp 511. Doi:12.163022.Gj.2025.v18.09.04
6.	B. Bhoi and P. Purohit, "A Study on Effect of Doping on Piezoelectric Materials",

	2022 International Interdisciplinary Conference on Mathematics, Engineering and Science(MESIICON) 978-1-6654-7072-8/22/\$31.00©2022IEEE DOI: 10.1109/MESIICON55227.2022.10093306
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4. Seminars/Conferences/Symposiums:

Sl. No	Lecture Title	Category	Type	Organization	Presentation Date
1.	A Study on Effect of Doping on Piezoelectric Material	International(Within country)	Paper Presented	Dr. B. C. Roy Engineering College, Durgapur	12/11/2022
2.	Synthesis and Characterization of PMN-PT a Binary Relaxor Piezoceramic Material	National	Paper Presented	Gangadhar Meher University	25/02/2023
3.	Synthesis and Characterization of PIN-PT Relaxor Based Piezoceramic Materials	State/ University	Paper Presented	Sambalpur University	15/11/2023
4.	Effect of CuO on the Properties of PMN-PT Binary Ceramic	National	Paper Presented	Sambalpur University	15/03/2024
5.	Synthesis and Characterization of Ternary PMN-PT-PZT Ceramics	State/ University	Paper Presented	Fakir Mohan Universit	27/06/2026

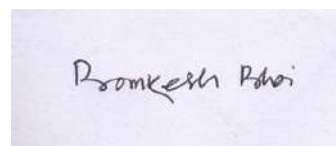
5. FDP/Workshop:

1.	National Workshop on “Art of Academic Writing and Publication Skills” held on 21 st & 22 nd October 2017 at Gangadhar Meher University, Sambalpur.
2.	Workshop on “NAAC Readiness” held on 19.12.2019 to 20.12.2019 organized by HRDC, Sambalpur University, Sambalpur.
3.	A Two week FDP on “Managing Online classes and Co-Creating MOOCS 3.0” from

	25 th July 2020 to 10 th August 2020 Organised by TLC, Ramanujan College, University of Delhi.
4.	A training programme on “Advanced Characterization Technique” held on 16.08.2022 to 22.08.2022 Organised by School of chemistry, Sambalpur University in association with Banasthali Vidyapith, Rajasthan.
5.	NEP 2020 Orientation & sensitization programme under MM-TTP of UGC Organised by Malaviya Mission Teacher Training Centre, Utkal University, Bhubaneswar from 8 th May 2024 to 21 st May 2024.

6. Refresher Course/Orientation:

- a. World bank funded Orientation Programme organized by UGC-Human Resource Development Centre (HRDC) and Regional Centres for Capacity Building, Sambalpur University from 8th February 2019 to 7th March 2019.
- b. Orientation Programme Organised by TLC, Ramanujan College, University of Delhi under the aegis of Ministry of HRD Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching From 1st September 2020 to 30th September 2020.
- c. UGC sponsored refresher course in Physics organized by UGC-Human Resource Development Centre (HRDC), Sambalpur University from 16-29 September, 2021.



Signature