

PROFILE



Name : Dr. Ramadhin Sahu.
Designation : Assistant Professor..
Department : Physics
College Name: Govt G.S.G. PG College Balod C.G.
Date of Birth : 10/02/1989

Date of first Appointment : 22/02/2017 as a Lecturer.

Date of First Appointment in Higher Education : 08/04/2022

Date of Current Joining date in This Institute: 27/07/2022

Specialization in P.G. : Electronics, Material Science

Qualification Detail:

S.No.	Qualification Name	Institution Name	Board/University	YEAR
1	Ph.D (Synthesis, characterization and optical studies of some rare earth doped $Y_2Zr_2O_7$: A Where A=Gd, Tb)	Govt. V.Y. T. P.G. Autonomous College, Durg (C.G)	Pt. Ravishankar Shukla University Raipur	2023
2	M.Sc. Physics	Govt. V.Y. T. P.G. Autonomous College, Durg (C.G)	Pt. Ravishankar Shukla University Raipur	2014

Residential Address

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Teaching Experience U.G.

3 Years

Teaching Experience P.G.

2 Years

Detail of Research (In brief)

The Study of Thermoluminescence and Photoluminescence Properties of $Y_2Zr_2O_7:Tb^{3+}$ doped Phosphors.

Thermoluminescence and Kinetic Parameters of Gamma-Exposed $Y_2Zr_2O_7:Gd^{3+}$ Phosphor.

Photoluminescence properties of Gadolinium doped Yttrium Zirconate Phosphors for Optoelectronic Applications

Research Publications	:	Total Research Papers Published → ____03____ <ul style="list-style-type: none">• International Journals → 03 Papers in press in• International Conferences → 04• National Conferences → 03
Area of research interest	:	<ul style="list-style-type: none">• X-Ray Diffraction Analysis.• Thermoluminescence and Kinetic parameter of Phosphor Study• Photoluminescence Study.
Life Membership	:	<ul style="list-style-type: none">• Luminescence Society India

Publications List:

Detail of Published Paper in International/National Journal/ National Conference/International Conference

TITLE	AUTHORS NAME	JOURNAL	YEAR	ISSN
The Study of Thermoluminescence and Photoluminescence Properties of $Y_2Zr_2O_7:Tb^{3+}$ doped Phosphors	Ramadhin, Jagjeet K. Saluja, Ravi Shrivastava, Neha Dubey, Dhananjay Kumar Deshmukh	Phosphors for Display, Forensic and Biomedical Applications.	2021	ISBN 978-1-53618-937-7

		ISBN 978-1-53618-937-7, (2021), Nova Science Publishing Inc.		
Thermoluminescence and Kinetic Parameters of Gamma-Exposed $\text{Y}_2\text{Zr}_2\text{O}_7:\text{Gd}^{3+}$ Phosphor	Ramadhin, Jagjeet K. Saluja, Ravi Shrivastava, Vikas Dubey	ELSEVIER, Optik International Journal for Light and Electron optics 169082, 12 April 2022	2022	
Photoluminescence properties of Gadolinium doped Yttrium Zirconate Phosphors for Optoelectronic Applications	Ramadhin, Jagjeet Kaur Saluja,	International Journal of Engineering Science Invention (IJESI) june 2022, PP 16-22	2022	

Proceedings of National /International Conferences:

S.NO.	Conference Name	Organizing Institute
1	National Seminar on Energy Harvesting materials and Techniques for Sustainable Development 2015	Department of Physics Govt. V.Y.T. PG. Auto. College Durg (C.G.)
2	International conference on Recent Trends in Science and Engineering (ICRTSE-2016),15 & 16 January	Department of Physics and Chemistry Govt. V.Y.T. PG. Auto. College Durg (C.G.) with IRD India
3	International Seminar on Physics and Chemistry of Material and Applications (ISPCMA-2017),4 & 5 January ,	Department of Chemistry and Physics , Shree Padmavathi Mahila Hindu KALASALA, Machilipatanam (A.P.)
4	International Conference on Influence and Usability of Science and Technology Tools for Society (I-TechSci 2021), 8 & 9 October 2021	The ICFAI University , Raipur
5	National Conference on Luminescence and its application NCLA-2021 “Hybrid Mode”. 9-11 December 2021	Department of Physics Govt. V.Y.T. PG. Auto. College Durg (C.G.) India and Association with Luminescence Society of India (LSI)

S.No.	Title	Author	Conference Name
1	UV induced thermoluminescence studies of Sm^{3+} doped LaAlO_3 phosphor	Deepti singh, Ramadhin, Rajani Singh, Jagjeet Kaur	Oral Presentation on International conference on Recent Trends in Science and Engineering (ICRTSE-2016), 15 & 16 January Govt. VYT COLLEGE DURG
2	Photoluminescence study of Ytterbium doped CaY_2O_4 Phosphor for Optilocal Communication	Vikash Dubey, Neha Dubey, Jagjeet Kaur Saluja, Ramadhin	Oral Presentation on International Seminar on Physics and Chemistry of Material and Applications (ISPCMA-2017), 4 & 5 January, KALASALA, Machilipatanam
3.	Thermoluminescence and Kinetic Parameters of $\text{Y}_2\text{Zr}_2\text{O}_7:\text{Gd}^{3+}$ Phosphor	Ramadhin, Jagjeet kaur Saluja	Oral Presentation on International Conference on Advance in Material: Engineering & Technology. (ICAMET-2022), 19 & 20 December, JD College of Engineering & Management, Nagpur

Attended Refresher/ Orientation / FDP :

S.No.	Program Name	Day/Week/Month	Organized by	Date
1	FDP	1 Day	Govt. Shivnath Science College, Rajnandgaon C.G.	

Responsibilities :

1. IQAC Co- coordinator
2. Member of UGC cell of college.
3. Member of RUSA committee of college.
4. Member of grievances cell of college.
5. Member of result committee of college.

Social/Other Responsibilities (if any) :

1. Scout Master in BSG Balod.