

# Chitrkant Belodhiya



**Assistant Professor**  
**School of Studies in Physics and Astrophysics**  
**Pt. Ravishankar Shukla University, Raipur(C.G.), India (492010)**

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## **Present Address:**

Q.No.-B-4 New  
Teachers & Officers Colony  
Pt. Ravishankar Shukla University  
Campus, Amanaka, Raipur(Chhattisgarh)  
INDIA, PIN-492010

## **Permanent Address:**

Village.-Fagundaha Singanwaahi  
Block-Dondi, PO.-Salhe  
District- Balod (Chhattisgarh)  
INDIA, PIN- 491228

## **Academic Qualification:**

<b>Course</b>	<b>Institution</b>	<b>Board /University</b>	<b>Year of Completion</b>
M.Sc. (Physics)	School of Studies in Physics & Astrophysics	Pt. Ravishankar Shukla University, Raipur (CG)	2012
BSc. (Computer Science)	Govt. V.Y.T. PG College Durg (C.G.)	Pt. Ravishankar Shukla University, Raipur (CG)	2010
12 <sup>th</sup> ( Mathematics)	Govt. H.S.S. Maroda Tank Bhilai (C.G.)	CGBSE, Raipur (C.G.)	2007
10 <sup>th</sup>	Govt. H.S.S. Maroda Tank Bhilai (C.G.)	CGBSE, Raipur (C.G.)	2005

### National and State Level Test Qualification:

Test	Year	Performance
GATE	2016	Qualified
CSIR-UGC (NET-JRF)	2015	Qualified
GATE	2015	Qualified
GATE	2014	Qualified
JEST	2014	Qualified
CG SET (SLET)	2013	Qualified

### Other Exam Qualification:

- 1) Assistant Professor (Physics) (Department of Technical Education C.G. Govt.) Examination 2015(Qualified) Organized by Chhattisgarh Public Service Commission, Raipur (C.G.).
- 2) Assistant Professor (Physics) (Directorate of Higher & Technical Education, Govt. of Puducherry) Examination 2016 (Shortlisted for Interview) Organized by Union Public Service Commission, New Delhi.
- 3) Assistant Professor (Physics) (Higher Education Department C.G. Govt.) Examination 2014(Qualified) Organized by Chhattisgarh Public Service Commission, Raipur (C.G.).
- 4) Recruitment of Apprentice Development Officers (LIC) Examination 2015 (Qualified).
- 5) CWE for Regional Rural Banks (RRBs CWE-III) for Recruitment of Officers (Scale-I, II & III) Examination 2014(Qualified) Organized by IBPS.
- 6) Hostel Warden Recruitment Examination 2016 (Department of Tribal and Scheduled Cast C.G. Govt.)(Qualified) Organized by Chhattisgarh Professional Examination Board, Raipur(C.G.)
- 7) Hostel Warden Recruitment Examination 2014 (Department of Tribal and Scheduled Cast C.G. Govt.)(Qualified) Organized by Chhattisgarh Professional Examination Board, Raipur(C.G.)
- 8) Chhattisgarh Police Sub Inspector Recruitment Examination 2011-2012 (Qualified)
- 9) Teacher Recruitment Examination 2009-2010(School Education Department C.G. Govt.) (Qualified) Organized by Chhattisgarh Professional Examination Board, Raipur(C.G.)
- 10) Army Recruiting Office (Raipur), Army Recruitment Rally (for Soldier Technical Group Examination) 2009-2010 (Qualified) at Bhilai (C.G.)

### **Employment Details/ Professional Career/ Teaching Experience:**

- 1) **Assistant Professor**, SoS in Physics and Astrophysics, Pt. R.S.S. University, Raipur C.G., INDIA from 23 Feb 2017 to Till Date.
- 2) **Assistant Professor**, Govt. Engineering College (Department of Technical Education C.G. Govt.) Jagdalpur, Bastar, CG, INDIA from 01 Dec 2016 to 17 Feb.2017(**3 Month**)
- 3) **Assistant Professor (Contract)**, SoS in Physics and Astrophysics, Pt. R.S.S. University, Raipur CG, INDIA from September 2016 to November 2016 (**3 Month**).

### **Membership of Academic Association:**

- 1) **Life Member (No.: LM2383)**: Society for Materials Chemistry (SMC).(Since Jan 2025)
- 2) **Life Member (No.:0795)**: Luminescence Society of India (LSI).(Since Jan 2019)

### **Award:**

- 1) Young Scientist award 2024 by International Academy of Physical Sciences

### **Participation in Conferences/ Symposia /Workshops:**

- 1) Attended 31<sup>st</sup> international Conference of IAPS (CONIAPS-XXXI) on Emerging Trends in Physical Sciences Organized by SoS in Chemistry and SoS in Physics and Astrophysics Physics, Pt. Ravishankar Shukla University, Raipur (Dec. 2024)
- 2) Attended National Conference on Luminescence and its Applications (NCLA-2024) Organized by Department of Physics, North-Eastern Hill University (NEHU), Shillong and Luminescence Society of India (Regd. No: GUJ/1156) (August 2024)
- 3) Attended one day workshop on career Advancement Scheme(CAS) Organized by IQAC and Malaviya Mission Teachers Training Centre, Pt. Ravishankar Shukla University, Raipur on 13<sup>th</sup> January 2024.(January 2024)
- 4) Attended one day workshop on experiments using electron beam facility of IUAC organized by Inter University Accelerator Centre(IUAC), New Delhi on 27<sup>th</sup> December 2023.(Dec 2023)
- 5) Attended one day workshop on New Methodology of NAAC with special Reference to NAAC Benchmark organized by IQAC and Malaviya Mission Teachers Training Centre, Pt. Ravishankar Shukla University, Raipur on 23<sup>rd</sup> December 2023.(Dec 2023)
- 6) Attended 2<sup>nd</sup> National conference on Signal Processing, Sustainable Energy Materials and Astronomy & Astrophysics (NSSEMA-2023), March 16-18, 2023 Organized by SoS in Physics and Astrophysics Physics, Pt. Ravishankar Shukla University, Raipur (March 2023)
- 7) Attended an International Conference on Luminescence and its Applications (ICLA-2023) Organized by CSIR-IICT, Hyderabad-500007, India and Luminescence Society of India (Regd. No: GUJ/1156) (Jan 2023)
- 8) Attended International Seminar on Luminescence Materials (ISLM-2022) 'Hybrid Mode'9-10th December 2022 Organized by Luminescence Society of India and Department of Physics, All Saints' College, Thiruvananthapuram, Department of Physics, Mahatma Gandhi College, Thiruvananthapuram, Department of Physics, Sanatana Dharma College, Alappuzha, Department of Nanoscience and Nano Technology, University of Kerala (Dec 2022).

- 9) Attended National Conference on Luminescence and its Applications (NCLA-2020) Organized by Department of Physics, National Institute of Technology, Warangal (Feb.2020)
- 10) Attended National Conference on Advanced materials and Applications (NCAMA-2019) organized by Department of Physics, National Institute of Technology, Raipur (Dec.2019)
- 11) Attended an International Conference on Luminescence and its Applications (ICLA-2019) Organized by SoS in Physics and Astrophysics Physics, Pt. Ravishankar Shukla University, Raipur (Jan 2019)
- 12) Attended National Conference on Luminescence and its Applications (NCLA-2018) Organized by CSIR-National Institute for Interdisciplinary science and Technology, Trivandrum, Kerala (Feb 2018)
- 13) Attended National Conference on Signal Processing ,Sustainable Energy Material and astronomy & Astrophysics (NSSEMA-2017)Organized by SoS in Physics and Astrophysics Physics, Pt. Ravishankar Shukla University, Raipur (Mar 2017).
- 14) Attended National Conference on Luminescence and its Applications(NCLA-2011) Organized by SoS in Physics and Astrophysics Physics, Pt. Ravishankar Shukla University, Raipur (Feb.2011)

#### **Participation in Orientation Course/ Refresher Course/ Training Program:**

- 1) **One - week Faculty Development Program on “Quantum Computing: From Theory to Practice-A Hands on FDP” (Online)** attended at Manipal Institute of Technology, Bengaluru under the aegis of **AICTE Training and Learning(ATAL) Academy**, From 05 January to 10 January 2025.
- 2) **UGC-SPONSORED Refresher Course in COMPUTATIONAL SCIENCES** attended at Malaviya Mission Teacher Training Centre, Pt. Ravishankar Shukla University, Raipur 492010 from **09/09/2024 to 23/09/2024 (2 week)** and obtain **Grade A<sup>+</sup>**.
- 3) **Two - week refresher course in “PHYSICS” (Online)** attended at Teaching Learning Centre Ramanujan College, University of Delhi under the aegis of Ministry of Education Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, From 30 March to 12 April 2024 and obtain **Grade A<sup>+</sup>**
- 4) **NEP 2020 ORIENTATION & SENSITIZATION PROGRAMME** attended at Malaviya Mission Teachers Training Centre, Pt. Ravishankar Shukla University, Raipur, from 12 December 2023 to 22 December 2023.
- 5) **Faculty Induction/Orientation Programme for “Faculty in Universities/Colleges/Institutes of Higher Education”( 4 week) (Online)** attended at Teaching Learning Centre Ramanujan College, University of Delhi under the aegis of Ministry of Education Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, From 22 July to 20 August 2023 and obtain **Grade A<sup>+</sup>**
- 6) **UGC-SPONSORED Refresher Course in PHYSICAL SCIENCES (Online)** attended at Human Resource Development Centre, Pt. Ravishankar Shukla University, Raipur 492010 from **12/12/2022 to 26/12/2022 (2 week)**.
- 7) **UGC-SPONSORED Refresher Course in PHYSICS (Online)** (Theme:-“New Trends of Teaching and Research in Physics”) attended at Human Resource Development Centre, Pt. Ravishankar Shukla University, Raipur 492010 from **16/08/2021 to 28/08/2021 (2 week)**.

- 8) **NPTEL (SWAYAM)** Online Certification Course on “Introduction to Research” ” (Funded by the Ministry of HRD, Govt. of India) Session **Feb-Apr-2021(8** week course).
- 9) **NPTEL (SWAYAM)** Online Certification Course on “Optical Spectroscopy and Microscopy: Fundamentals of Optical Measurements and Instrumentation” (Funded by the Ministry of HRD, Govt. of India) Session **Jan-Apr-2021(12** week course).
- 10) **UGC-SPONSORED Orientation Program** (Theme:-“Quality of Higher Education: Extension Method”) attended at Human Resource Development Centre, Pt. Ravishankar Shukla University, Raipur 492010 from **19/04/2017 to 16/05/2017 (4** week).
- 11) **Faculty Development Program (Induction Phase-I)** Organized by “National Institutes of Technical Teachers Training and Research, Bhopal (NITTTR-MHRD) from **6/02/2017 to 17/02/2017 (2** week).
- 12) **One day Faculty Development Program** (Total Quality Teaching) Under-TEQIP-II conducted at Government Engineering College, Jagdalpur (C.G.).

#### **Some important academic and administrative responsibilities performed:**

- 1) Appointed as Assistant Centre Superintendent, First Shift, University Semester Examinations at UTD, Pt. R.S. University, Raipur, C.G. (**Dec-Jan 2023-2024**).
- 2) Appointed as Assistant Centre Superintendent, Second Shift, University Annual Examinations at UTD, Pt. R.S. University, Raipur, C.G. (**April 2023**).
- 3) Appointed as Assistant Centre Superintendent, First Shift, University Semester Examinations at UTD, Pt. R.S. University, Raipur, C.G. (**June 2022**).
- 4) Appointed as Assistant Centre Superintendent, First Shift, University Semester Examinations at UTD, Pt. R.S. University, Raipur, C.G. (**June 2019**).
- 5) Appointed as Assistant Centre Superintendent, First Shift, University Semester Examinations at UTD, Pt. R.S. University, Raipur, C.G. (**June 2018**).

#### **Conference/Symposia/Workshop Organized:**

- 1) 31<sup>st</sup> International Conference Of International Academy of Physical Sciences (CONIAPS XXXI) (December 20-21, 2024) (Joint Secretary & Treasurer )
- 2) National Symposia on Innovation in Computational Methods (NSCM-2024), October 22 – 23, 2024 (Organizing Secretary).
- 3) Lecture on “Relativistic Quantum Mechanics: Text book to technology” 13<sup>th</sup> September 2024 (Coordinator of program).
- 4) One day seminar on “Gupta’s Equation- beyond Schrodinger Equation” 15<sup>th</sup> May 2024 (Coordinator of program)
- 5) One day seminar on “BARC developed Accelerator based radiation for societal application” 11<sup>th</sup> March 2024 (Coordinator of program).

- 6) One day seminar on “Quantum Computing” Basics of Quantum Computations, 06<sup>th</sup> March 2024 (Coordinator of program).
- 7) 2<sup>nd</sup> National conference on Signal Processing, Sustainable Energy Materials and Astronomy & Astrophysics (NSSEMA-2023), March 16-18, 2023 (Treasurer).
- 8) 1<sup>st</sup> International conference on Functional Materials (ICFM-2022), August 24-26, 2022 (Organizing Secretary).
- 9) One day seminar on Nobel Prize-2022 (Quantum Computing) in Physics, 26 November 2022 (Coordinator of program).
- 10) International conference on Luminescence and its Applications (ICLA-2019), January 07-10, 2019 (Treasurer).
- 11) National conference on Signal Processing, Sustainable Energy Materials and Astronomy & Astrophysics (NSSEMA-2017), March 28-30, 2017 (Organizing member).

### Research Publications:

- 1) Ganesh Banjare, DP Bisen, Nameeta Brahme, **Chitrkant Belodhiya**, Spectroscopic investigation by incorporation of charge compensator ions in CaBaSiO<sub>4</sub>: Dy<sup>3+</sup> phosphors for solid-state lighting applications, Indian Journal of Physics  
<http://dx.doi.org/10.1007/s12648-024-03165-9>
- 2) Dipti Sahu, Akshkumar Verma, DP Bisen, Nameeta Brahme, **Chitrkant Belodhiya**, Kanchan Tiwari, Aastha Sahu. Investigation of photoluminescence and thermoluminescence properties of UV &  $\gamma$  irradiated Li<sub>4</sub>SrCa(SiO<sub>4</sub>)<sub>2</sub>:Dy<sup>3+</sup> phosphor, Volume 35, article number 527, (2024), Journal of Materials Science: Materials in Electronics(Springer),  
<http://dx.doi.org/10.1007/s10854-024-12287-z>
- 3) Sanjay Kumar Baghel, Nameeta Brahme, D.P. Bisen, Yugbodh Patle, Tripti Richhariya, Ekta Chandrawansi, **Chitrkant Belodhiya**. Luminescence properties of a novel cyan-blue light emitting Ce<sup>3+</sup>-doped SrZrSi<sub>2</sub>O<sub>7</sub> phosphor. March 2022 Optical Materials,  
<https://doi.org/10.1016/j.optmat.2022.112141>
- 4) Ganesh Ram Banjare, D.P. Bisen, N. Brahme, **Chitrkant Belodhiya**, Studies on structural properties, luminescence behavior and zeta potential of Dy<sup>3+</sup> doped alkaline earth *ortho*-silicate phosphors. January 2021 Materials Science and Engineering: B  
<https://doi.org/10.1016/j.mseb.2020.114882>
- 5) Ganesh Ram Banjare, D.P. Bisen, N. Brahme, **Chitrkant Belodhiya**, A.K. Upadhyay, Synthesis and luminescence behavior of Ba<sub>2</sub>SiO<sub>4</sub>:Dy<sup>3+</sup> phosphors in presence of charge compensator ions. IOP Conf. Series: Materials Science and Engineering 798 (2020) 012010 IOP Publishing doi: <https://doi.org/10.1088/1757-899X/798/1/012010>.
- 6) Ganesh Ram Banjare, D. P. Bisen, Nameeta Brahme, **Chitrkant Belodhiya**, Pradeep Dewangan, Ekta Chandrawansi, Ishwar Prasad Sahu. Thermoluminescence studies of Dy<sup>3+</sup>-doped calcium barium orthosilicate codoped with Li<sup>+</sup> ion. July 2019 Journal of Thermal Analysis and Calorimetry <https://doi.org/10.1007/s10973-019-08520-1>

### Personal Profile:

- Gender : Male
- Date of Birth : 01 FEB 1990
- Father's name : Shri Devnath Belodhiya
- Mother's name : Smt. Bhagvati
- Marital Status : Married
- Languages : Hindi, English, Chhattisgarhi.
- Nationality : Indian

I would like to vouch for the authenticity of the above furnished information to the best of my knowledge and belief.

DATE:

PLACE:

Chitrkant Belodhiya

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