

Dr. Brijlata Sharma



Contact No. - 9098302780

email – brijl1985@gmail.com

CAREER OBJECTIVE

Intend to have a career that could utilize my potential of skill to the maximum in a responsible and challenging environment, along with recognition, rewarding of hard work, talent and skill.

ACADEMIC QUALIFICATION

Qualification	Stream	Institution/University	Year of Passing	Result (Percent)
Ph.D	Physics	BIT/C.S.V.T.U.	2024	Awarded
M.Phil.	Physics	C.V.R.U, Bilaspur	2010	75.0%
M.Sc.	Physics	Science College, Durg	2008	83.3%
B.Sc.	Mathematics	Science College, Durg	2006	63.6%
H.S.S.C. (12 th)	Mathematics	C.G.B.S.E , Raipur	2003	62.2%
H.S.C. (10 th)	Compulsory Subjects	M.P.B.S.E,Bhopal	2001	75.0%

PROFESSIONAL EXPERIENCE

- Working as an **Assistant Professor in Rungta Group of Institution** since August 2023.
- Worked as an **Guest Lecturer in Shri Shankaracharya Professional University , Bhilai**. From October 2021 to Aug. 2022.
- Worked as an **Assistant Professor in Shri Shankaracharya Institute of Technology and Management, Bhilai** From Aug. 2015 to Aug. 2018.
- Worked as an **Assistant Professor in Sanjay Rungta Group of Institution**. From Aug. 2008 to July 2015.

- Roles & responsibilities
 - Class In-charge
 - Lab In-charge
 - Time Table In-charge
 - Engagement In-charge
 - Class Test In-charge
 - Worked as an Active Committee Member in University Events

PUBLICATIONS

1. A systematic investigation on structural and optical properties of sol–gel spin coating fabricated CdS nanocrystalline thin films: effect of Ni doping, *Journal of Materials Science: Materials in Electronics* (2021) 32:20903–20911. **(Springer) (SCI Journal)**
2. A comprehensive study of structural, optical and electrical properties of Cu doped CdS nanocrystalline thin films: for optoelectronic applications, *Journal of Materials Science: Materials in Electronics* (2022) 33: 11601–11612. **(Springer) (SCI Journal)**
3. A Comparative Study of Effect of Molar Concentration on Nanocrystalline Cadmium Sulphide Thin Films in View of Their Structural, Morphological and Optical Properties, *DICKENSIAN JOURNAL* (2022) 22(4) **(Scopus Journal)**
4. Spectroscopic Studies of CdS Nanocrystalline Thin Films Synthesized by Sol-Gel Spin Coating Technique for Optoelectronic Application: Influence of Co-doping, *Brazilian Journal of Physics* (2023) 53:42. **(Springer) (SCI Journal)**
5. Nanocrystalline CdS thin films deposited by sol-gel spin coating method: Effect of aging and doping on structural, optical, and electrical properties, *Optik - International Journal for Light and Electron Optics* 281 (2023) 170831. **(Elsevier) (SCI Journal)**

PUBLICATIONS CONFERENCE (INTERNATIONAL/ NATIONAL)

List of Publications (Conference) (International)

1. First International Conference on “Role of Applied sciences in social implications” (IC-RASSI) at Govt. Digvijay Autonomous PG College, Rajnandgaon, February 2023.
2. 3rd International Conference on “Recent Trends in Renewable Energy and Sustainable Development” at BIT, Raipur on April 2022.
3. International Conference on “Advances in material science and chemistry” at Amrita Vishwa Vidhyapeetham, Amritapuri campus, on August 2020.
4. 2nd International Conference on “Recent trends in renewable energy and sustainable global development” at BIT, Raipur on January 2020.
5. 9th International Science Congress (ISC-2019) at BIT, Durg on December 2019.

List of Publications (Conference) (National)

1. 12th National Conference on “Emerging Materials & Nanotechnology” (NCEMN-2022) at Govt. VYT PG Autonomous college, Durg on November, 2022
2. National E-conference on “Advanced Research in material science” organized by Kamaraj college Thoothukudi, Tamil Nadu on February 2021.
3. National Conference BITCON-2021 on “Advances in Smart Nano Materials” at Durg on October 2021.
4. National Conference BITCON-2020 on “New Horizons in Advanced Materials Development and Their Characterization to Combat Current Challenges” at Durg on November 2020.
5. National Conference BITCON-2018 on “Advanced Materials and Nanotechnology” at Durg on February 2018.
6. National Conference BITCON-2017 on “Research Challenges in NanoScience and Technology” at Durg on March 2017.

CERTIFICATIONS & ACHIEVEMENTS

1. Presented Paper on ‘The Effect of Molar Concentration on Optical & Structural Properties of Nanocrystalline CdS Thin Films Prepared by CBD Method’ at 2nd International Conference on ‘Recent Trend in Renewable Energy & Sustainable Global Development’ BIT, Raipur, January, 2020
2. Presented Paper on ‘Deposition of Un-doped & Ho-doped Nanocrystalline CdS Thin Films and their Characterization for Solar Cell Application’ at 9th International Science Congress on ‘Recent Trend in Renewable Energy & Sustainable Global Development’ BIT, Durg, December 2020.
3. Participated paper on “Synthesis and photoconductivity studies of CdS thin films prepared by Chemical Bath Deposition Method” in 2015
4. Participated paper on “Preparation & Optical properties of CdS thin films with variation of ammonium Solution”. At 2nd National Conference at Parthivi College (2014).
5. Presented paper on “Studies on TL & ML of silver doped (Zn,Cd)S mixed phosphors at National conference on Recent trends in physics of solids.(Govt. V.Y.T. College, Durg) (2011)
6. Attended national level technical conference at Shri Shankaracharya College of Engg. & Tech., Bhilai (2007)

TRAINING & WORKSHOPS

1. One-day Virtual Workshop on ‘X-ray Diffraction’ organized by Central Instrumentation Centre (CIC), Bajaj College of Science, Wardha on July 23rd, 2020.
2. Two weeks online Faculty Development Programme on Digital Tools for Writing, Authoring and Reviewing Manuscripts jointly organized by Academies during 12th to 23rd July 2021. During the period, we found her/him to be hardworking, sincere and committed & her/his performance was Good. This programme is endorsed by AICTE/UGC. Supported by Ministry of Electronics and Information

Technology (MeitY) Electronics & ICT Academies IIT Guwahati, NIT Patna, MNIT Jaipur, IIT Kanpur, IIITDM Jabalpur & IIT Roorkee

3. National online experimental workshop simulation in physics organized by IAPT-APHO, July 2020.
4. International Webinar on Sample Preparation for TEM and Data Analysis, organized by the Department of Material Science, School of Chemistry, Madurai Kamraj University, Madurai, Tamil Nadu, India on June 30, 2020
5. International Faculty Development Program on Research and Teaching Methodology held from 5th July to 11th July, 2021, organised by the Department of Biotechnology and Department of Chemistry of Govt. V.Y.T. PG Autonomous College, Durg, Chhattisgarh, India.
6. Participated in 'Short Term Training Programme' conducted by 'National Institute of Teachers Training and Research' under the supervision of 'Ministry of Human Resource Development' in 2018
7. Participated in 'Faculty Development Programme' on "Recent Advances in Theoretical and Experimental Physics and Future Perspective of AICTE New Syllabus".

PERSONAL DETAILS

Name	:	Mrs. Brijlata Sharma
Father's Name	:	Mr. Santosh Sharma
Mother's Name	:	Mrs. Kiran Sharma
Date of Birth	:	31.07.1985
Gender	:	Female
Marital Status	:	Married
Languages known	:	Hindi, English
Permanent Address	:	Plot No. – 20, Near Krishna Grand City, Kohka, Bhilai Nagar,

DECLARATION

I here by declare that all the above information is true to the best of my knowledge.

Date:

Place:

(Brijlata Sharma)