



CV

1. Name : Dr. Dayamoy Bisui, Lieutenant
 2. Father's Name: Mothuranath Bisui
 3. Address: Katwa Hospital Para, Katwa, Burdwan West Bengal M : 8900711208
 4. Date of Birth: 22.02.1967
 5. Nationality : Indian
 6. Religion: Hindu
 7. Academic Qualifications: M. Sc. In Physics, B. Ed., Ph. D
 8. Occupation: Teaching
 9. Date of Joining: 17.4.1997
 10. Name of the Institution: Katwa College, Katwa, Purba Burdwan
 11. Designation: Associate Professor
- Ex Head, Department of Physics
12. Other Qualification: Associate NCC Officer
 13. **Teaching Experience: 27 years On April 2024**
 14. Course and Programs Attended: Three RF, One OP
 15. Publications: Nine (International Journal)
 16. Conference, Seminar, Symposium (Attend ant paper present)
- Eighteen (12National, 2 International and 4 Others)**

B. ACADEMIC QUALIFICATIONS

Exams Passed 1	Board/University 2	Subject 3	Year 4	Division/Class
S.F. or Equivalent	WBBSE	Ben. Eng. Math Ph. Sc. Li. Sc. Geo. Hist.	1984	First
H.S. or Equivalent	WBCHSE	Ben. Eng. Math Ph. Ch. Bio. Sc.	1986	First
Bachelor's Degree	Burdwan University	Physics Hons. Math and Ch (pass)	1989	Second
Master's Degree	Burdwan University	Physics	1993	First
Others (diploma/ Certificate etc.)	Burdwan University	B. Ed.	1991	First
Research Degree	Ph. D	Physics		2011

C. RESEARCH EXPERIENCE AND TRAINING:

Research stage Title of the work/Thesis University

“STUDIES ON THE MAGNETIC BEHAVIOR OF SOME RARE EARTH TRIFLUOROMETHANESULFONATE SINGLE CRYSTALS AND THE EFFECTS OF CRYSTAL FIELD”

i) M. Phil. Or equivalent : No

ii) Ph. D/ D. Litt/D. Sc.: Awarded Sep 2011

iii) Post Doctoral:

iv) Publications: Nineteen

v) Any other relevant information/ a) Orien. Progm. BU, UGC 14.3.01-10.4.01

Research Guidance with brief particular:

b) Ref. Course Kalyani, UGC 05.11.01-26.11.01

c) Ref. Course BU, UGC 24.12.04 -13.01.05

d) Ref. Course BU, UGC 16.02.07-07.3.07

e) NCC, PRCN-132, OTA, Kamptee, Nagpur, MP 21.7.03- 18.10.03

f) SUPERINTENDENT, KATWA COLLEGE

BOYS' HOSTEL

g) SOCIAL ACTIVIST

LOKADALAT, KATWA

List of publications
Dr. D. Bisui
Department of Physics
Katwa College

1. Paramagnetic susceptibilities, crystal-field Stark energies and hyperfine properties of Eu³⁺ in europium trifluoromethanesulfonate nonahydrate

D. Bisui^{a,b}, K. N. Chattopadhyay^c, M Ghosh^d, P. K Chakrabarti^{a*}

^a Solid State Research Laboratory, Physics Department, Burdwan University, Burdwan 713104, west Bengal, India

^b Department of Physics, Katwa College, Burdwan 713130, West Bengal, India

^c Institute of science Education, Burdwan University, 713104, west Bengal, India

^d Department of Spectroscopy, IACS, Jadavpur, Kolkata 700032, west Bengal, India

J. Phys. Chem. Solids. 71, 1278 (2010)

2. Magnetic susceptibilities, crystal field Stark energies and hyperfine behavior of Sm³⁺ in hexagonal single crystals of Sm (CF₃SO₃)₃ · 9H₂O

J. Mondal, S. Acharya,¹ **D. Bisui**,¹ K. N. Chattopadhyay², M. Ghosh³, and P. K. Chakrabarti^{1a}

¹Department of Physics, Solid State Research Laboratory, Burdwan University, Burdwan, West Bengal 713104, India

²Institute of Science Education, Burdwan University, Burdwan, West Bengal 713 104, India

³Department of Spectroscopy, IACS, Jadavpur, Kolkata 700 032, India

J. Appl. Phys. 105, 063921 (2009).

3. Crystal field investigation on the magnetic properties of Yb³⁺ in Yb (CF₃SO₃)₃ · 9H₂O

D. Bisui, K.N. Chattopadhyay² and P.K Chakrabarti^{1*}

¹Solid State Research Laboratory, Physics Department, Burdwan University, Burdwan-713 104, W.B, India.

²Institute of Science Education, Burdwan University, Burdwan-713104, India

J. Phys. Chem. Solids. 70, 59 (2009).

4. Magnetic measurements and crystal field investigation of single crystal of Tm³⁺ in Tm (CF₃SO₃)₃ · 9H₂O

D. Bisui, K. N. Chattopadhyay², P. K Mallick¹, M Ghosh³, P. K Chakrabarti^{1*}

¹Department of Physics, Solid State Research Laboratory, Burdwan University, Burdwan, West Bengal 713104, India

²Institute of Science Education, Burdwan University, Burdwan, West Bengal 713 104, India

³Department of Spectroscopy, IACS, Jadavpur, Kolkata 700 032, India

J. Appl. Phys. 103, 1 (2008)

5. Magnetic measurements and crystal field investigation on single crystal of $\text{Er}(\text{CF}_3\text{SO}_3)_3 \cdot 9\text{H}_2\text{O}$

D. Bisui^a, K.N. Chattopadhyay^b, P.K. Chakrabarti^{a*}

^aSolid State Research Laboratory, Department of Physics, Burdwan University, Burdwan 713 104, West Bengal, India

^bInstitute of Science Education, Burdwan University, Burdwan 713 104, West Bengal, India

J. Magn. Magn. Mater. 320, 553 (2008).

6. Magnetic measurements on single crystals of Dysprosium Trifluoromethanesulfonate

nonahydrate, effects of crystal field perturbed energy levels

D, Neogy, P. Paul, K. N. Chattopadhyay, **D. Bisui**

J. Magn. Magn. Mater. 248, 24 (2002).

7. Magnetic measurements on single crystals of HoTFMS and crystal field Investigation

D, Neogy, P. Paul, K. N. Chattopadhyay, **D. Bisui**

J. Phys. Chem. Solids. 63, 369 (2002).

8. Magnetic susceptibilities of Samarium arsenate: An experimental and theoretical study

P. K. Chakrabarti, D. Neogy, K. N. Chattopadhyay, **D. Bisui**, B. M. Wanklyn.

J. Magn. Magn. Mater. 202, 497 (1999).

9. Magnetism of Neodymium Trifluoromethanesulfonate and effect of crystal field

K. N. Chattopadhyay, D. Neogy, **D. Bisui**, P. Paul, P. K. Chakrabarti.

J. Phys. Chem. Solids. 60, 709 (1999).

10. Magnetic susceptibilities and crystal field investigations on non-Kramers Pr^{3+} in $\text{Pr}(\text{CF}_3\text{SO}_3)_3 \cdot 9\text{H}_2\text{O}$ (communicated).

D. Bisui, K. N. Chattopadhyay and P. K. Chakrabarti.

11. Microstructural, magnetic and dielectric properties of chemically synthesized nanoparticles of Co-doped Dy₂O₃.

A. Bandyopadhyay¹, **D. Bisui**, A.K. Deb, and P. K. Chakrabarti.

Presented in “**Third National Seminar on Recent Trends in Condensed Matter Physics including Laser Physics**” p 61 (2013)” held at Burdwan University, **March 5-7, 2013.**

12. Magnetic and crystal field investigations on single crystal of Pr³⁺, Eu³⁺, Er³⁺, Tm³⁺, Sm³⁺ and Yb³⁺ in the crystalline host Trifluoromethanesulfonate hydrates: a comparative study

D. Bisui¹, J. Mondal, K.N. Chattopadhyay, A.S. Mahapatra, K. Mukhopadhyay, and P.K Chakrabarti^{1*}

Presented in “**First National Seminar on Recent Trends in Condensed Matter Physics including Laser Physics**” p 33 (2012)” held at Burdwan University, **March 6 and 7, 2012.**

13. Paramagnetic to ferromagnetic phase transition of Co-doped neodymium oxide nanoparticles prepared by chemical co-precipitation method

K. Mukhopadhyay, A.S. Mahapatra, S. Modak, **D. Bisui**, A. Bandhu, J. Majhi, K.N. Chattopadhyay and P.K Chakrabarti¹

Presented in an “**International Conference on LASER, Material Science and Communication**, p 208 (2011)” held at Burdwan University, **December 6-9, 2011.**

14. Magnetic, Raman and FTIR studies of some rare earth trifluoromethanesulfonate nonahydrate

Presented in an “**International Conference on Radiation Physics and its Applications**, p 24 (2010)” held at Burdwan University, **January 16-17, 2010.**

15. Magnetic and Raman spectroscopic properties of hexagonal single crystals of Eu(CF₃SO₃)₃·9H₂O

D. Bisui^{a,b}, K. N. Chattopadhyay^c, M Ghosh^d, P. K Chakrabarti^{a*}

Presented in a “**National Workshop on Radiation Science and Applications, P-12 (2008)**” held at Burdwan University, November 10-12, 2008.

16. Magnetic behavior of Gd³⁺ in GdAl₃(Bo₃)₄

Proc. of the DAE Solid State Phys. Symp, 52, 1081 (2007).

17. Magnetic measurements on Neodymium trifluoromethanesulfonate

K. N. Chattopadhyay, D. Neogy, P. K. Chakrabarti, **D. Bisui**, and P. Paul
Solid State Research Laboratory, Physics Department, Burdwan University, West Bengal, India
Proc. Solid state symp. 38C, 119 (1995)
Proc. Solid state symp. 40C, 135 (1997).

18. Magnetic properties of Samarium arsenate: An experimental and theoretical study

P. K. Chakrabarti, D. Neogy, K. N. Chattopadhyay, **D. Bisui**, B. M. Wanklyn.
Solid State Research Laboratory, Physics Department, Burdwan University, West Bengal, India
Proc. Solid state symp. 40C, 235 (1997).

19. Experimental and theoretical behavior of Tm³⁺ in TmPO₄ and LuPO₄ and the crystal field investigation

P. K. Chakrabarti, D. Neogy, K. N. Chattopadhyay, **D. Bisui**, B. M. Wanklyn.
Solid State Research Laboratory, Physics Department, Burdwan University, West Bengal, India
Proc. Solid state symp. 38C, 119 (1995)