

BIO-DATA OF DR. MRS. ANUBHA SINGH GOUR



- A. NAME** - **ANUBHA SINGH GOUR**
Ph.D., M.Phil, M.Sc., LLB, M.Sc. (Maths)
M.A ENGLISH, D.Lit
- B DESIGNATION** - Professor,
School of Studies in Physics and Astrophysics
Pt. Ravishankar Shukla University
Raipur (C.G.)
- C FATHER'S NAME** - Dr. R.K. Singh
- D MARTIAL STATUS** - Married
- E HUSBAND'S NAME** - Shri S. Singh Gour
- F DATE OF BIRTH** - April 18, 1969 State-C.G.
- G RESIDENTIAL ADDRESS** - Qu.No. M. 216, Sec
Pt. Deendayal Upadhyay Nagar Raipur (C.G.)
- H PLACE OF BIRTH** - Post-Office-(Dalha) Pondi
Via- Akaltara, Distt- Janjgir, Champa (C.G.)
- I PHONE NO.** - Office – 0771-2262864
- J MOBILE NO** - 9753393639
- K. EMAIL ID.-** anubha_09@yahoo.com
- L. VISIT ABROAD-**
1. Visited the University of Nanyang Technological University, **Singapore** for Oral Presentation on 16to17th June 2017.

L1. ACADEMIC QUALIFICATION

Standard	Year of Passing	Institute	Subject
1. Higher Secondary	1986	M.P. Board, Bhopal	Maths, Physics, Chemistry
2. B.Sc.	1990	Guru Ghasi Das University, Bilaspur	Maths, Physics, Chemistry
3. M.Sc.	1992	Guru Ghasi Das University, Bilaspur	Physics (Specialization in Electronics)
4. M.Phil	1993	Guru Ghasi Das University, Bilaspur	Physics Dissertation (Cosmic Ray Variation Forbush Decreases) (5 th Position in Merit)
5. Ph.D	1998	Guru Ghasi Das University, Bilaspur	Physics (High Energy Cosmic Ray Modulation)
6. Post Doctoral Research	Oct. 1998 to 31.5.2001	Guru Ghasi Das University, Bilaspur	Phenomenological Theory of ML in Organic and Inorganic Solids
7. Post Doctoral Research	June, 2001 to 2004	Pt. Ravishankar Shukla University, Raipur (C.G.)	Machanoluminescence of soils
8.L.L.B .	2019	Kalinga University , Naya Raipur C.G.	Law
9. M.Sc. Maths	2021	Pt. Sunder Lal Sharma University Raipur C.G.	Maths
10. M.A - English	2023	Pt. Sunder Lal Sharma University Raipur C.G.	English Literature
11. D.Lit	2023	Ashcroft University, London England UK	Doctor of Letters

M1 AWARD

- 1- Award Young Scientist for research paper, at the 1st Chhattisgarh Young Scientist Congress was conferred Chhattisgarh Council of Science and Technology Raipur (C.G.) by Pt. Ravishankar Shukla University, Raipur 2nd and 3rd Sept. (2002).
2. Bharat Ratna Mother Teresa Gold Medal Award on Global Economic Progress & Research Association New Delhi in Individual Achievement and national Development on 18 March 2023 at Chennai.
3. Bharat Udyog Ratna Gold Medal Award Global Economic Progress & Research Association New Delhi in Individual Achievement and national Development on 27 May 2023 at Bangalore.
4. Award Doctor of Letters (D.Lit) on Ashcroft University, London England UK on 27 May 2023

M2 PATENT

The Patent Office, Government on India, Registration of Design, Design No. 387015-001 Date 24/05/2023

N1 ADMINISTRATIVE EXPERIENCE:

1. Appointed an Observer for the conduction of examination **2005-2006** at center "Mahant Laxminarayan Das Mahavidyalay, Raipur (C.G.)
2. Appointed an Assistant Warden, Women Hostel, Pt. Ravishankar Shukla University, Raipur (C.G.) from 20.07.2005 to 14.12.2011 (6 Years).
3. Appointed an observer for the conduction of examination 2006-2007 at center Gokuldas Daga College, Raipur (C.G.).

N2 APPOINTED SUBJECT EXPERT OF FOLLOWING UNIVERSITY/COLLEGE

1. Indira Kala Sangeet University Khairagarh C.G. on 08.06.2021
2. Ramchandi College Saraypali on 23.10.2021
3. Appointed subject expert for project New Nanometer Characterization Method of AFM Images of thin films. By the **Govt. of Chhattisgarh Raipur New Atal Nagar.**
4. Appointed subject expert for Recruitment of physics teacher in Seth Phulchand college, Navapara 08/11/2023.
5. Appointed subject expert for affiliation of UG/PG in various colleges.

O PROJECT :

(i) COMPLETED A MINI RESEARCH PROJECT ENTITLED “Studies on the persistent luminescence behavior of rare earth doped strontium aluminosilicate phosphor (Sr-Al-Si-O Systems)” from 30 April (2014) to 30 April (2016) C.G.COST, RAIPUR (C.G.)

P A MINI RESEARCH Project Submitted “Entitled luminescence behavior of rare earth doped MgO phosphor (Mg-O- System)” From 30 April (2016) by C.G.COST, RAIPUR (C.G.)

Q TEACHING EXPERIENCE

(i) *Govt. Engg. College, Raipur*

S.No.	College	UG	PG	Period		Year	
				From	To	U.G.	P.G.
1	Govt. Engg. College, Raipur		PG	1997	1999		2 Years
2	Govt. Engg. College, Raipur	UG		1997	1999	2 Years	
<i>Duration</i>						<i>2 Years</i>	<i>2 Years</i>
<i>Total Teaching Duration</i>							

(ii) *Bhoj University and Women Polytechnic College*

S.No.	College	UG	PG	Period		Year	
				From	To	U.G.	P.G.
1	M.P. Regional Bhoj Open University, Raipur		PG	2000	2001		1 Year
2	Women Polytechnique College, Raipur	UG		2000	2001	1 Year	
<i>Duration</i>						<i>1 Year</i>	<i>1 Year</i>

(iii) *Pt. Ravishankar Shukla University*

S.No.	College	UG	PG	Period		Year	
				From	To	U.G.	P.G.
1	Ravishankar Shukla University, Raipur (SOS in Phys.)		PG	1997	1998		1 Year
2	Pt. Ravishankar Shukla University Raipur (SOS in Comp.)		PG	2001	2002		1Year
3	Pt. Ravishankar Shukla University, Raipur (SOS in Comp.)	UG		2001	2002	1 Year	
4	Pt. Ravishankar Shukla University, Raipur (SOS in Phys.)		PG	2002	2003		7 Months
5	Pt. Ravishankar Shukla University, Raipur (SOS in Comp.)		PG	Apr.2003	Aug. 2003		5 Months
6	Pt. Ravishankar Shukla University, Raipur (SOS in Comp.)	UG		Aug. 2003	Aug. 2003	1 Months	
7	Pt. Ravishankar Shukla University, Raipur (SOS in Phys.)		PG	Aug. 2003	Mar. 2004		8 Months
8	Pt. Ravishankar Shukla University, Raipur (SOS in Comp.)		PG	Apr. 2004	Aug. 2004		5 Months.
9	Pt. Ravisanakar Shukla University, Raipur (SOS in Phys.)	UG 2year s		Integrated Course (2007 2008) (2008..2009)			
10	Pt. Ravisanakar Shukla University, Raipur (SOS in Phys.)		PG	28 Aug. 2004, Regular	Till Date		5 Years (adhoc/cont) 20 Years 4 Months
Duration						6 Year	29Years

(iv) M. Phil, Pt. Ravi Shankar Shukla University

S.No.	College	M.Phil	Period		Year
1.	Pt. Ravi Shankar Shukla University		Aug 2007	May 2008	1 year
2.	Pt. Ravi Shankar Shukla University		Aug 2008	May 2009	1 year
3.	Pt. Ravi Shankar Shukla University		Aug 2009	May 2010	1 year
4	Pt. RaviShankar Shukla University		Aug 2010	May2011	1 year
5.	Pt. Ravi Shankar Shukla University		Aug 2011	May2012	1 year
	Total Teaching Duration				5 Years

(v) M. Tech, Pt. Ravi Shankar Shukla University

S.No.	College	M Tech.	Period		Year
1.	Pt. Ravi Shankar Shukla University		July 2008	June 2009	1 year
2.	Pt. Ravishankar Shukla University		July 2009	June 2010	1 year
3	Pt. Ravishankar Shukla University		July 2010	June 2011	1 year
4.	Pt. Ravishankar Shukla University		July 2011		1 year

5.	Pt. Ravishankar Shukla University		July 2012	June 2012	1 year
6.	Pt. Ravishankar Shukla University		July 2013	June 2013	1 year
				June 2014	
	Total Teaching Duration				6 Years

TOTAL NUMBER OF PAPERS BY DR. ANUBHA SINGH GOUR : 93

PAPERS PUBLICATION IN INTERNATIONAL & NATIONAL JOURNALS: 37

PAPER PRESENTATION and SCIENTIFIC PUBLICATION IN NATIONAL and INTERNATIONAL CONFERENCE, SEMINAR SYMPOSIA : 56

T	LIST OF COMMUNICATED PAPERS:	5
H		
Index is		5

- 1. Clavage Mechanoluminescence Elemental and III -V Semiconductor (with B.P. Chandra, R.P. Patel, V.K. Chandra, R.K. Gupta) J.of luminescence Netherlands America Vol. 104(2003)34-35**
Impact Factor : 1.87
ISSN No0022-2313.
- 2. Theoretical Approach to the Lyoluminescence of Organic Materials. (with B.P. Chandra, V.K. Chandra, D.S. Baghel and P.K. Khare) In.J. of Pure and Applied Physics, New Delhi, vol 41. (2003)pp 884-893.**
Impact Factor : 0.51
ISSN No.0019 5596
- 3. Dislocation unpinning model of Accoustic Emission From Alkali Halides (with B.P. Chandra, V.K. Chandra and Y. Patil)J. of Phy. Banglor. Vol.6(2004)pp1282-1292.**
Impact Factor ; 0.56
ISSN No.0973-7111
- 4. Theoretical Approach to the Tunneling Mechanoluminescence produced during cleavage of II-VI semiconductor (with Vibha Choudhary, V.K. Chandra, R.P. Gupta and B.P. Chandra) Indian J. of Engineering and material sciences. (NISCAIR) New Delhi Vol.II,October (2004).P.P. 421-428**
Impact Factor : 0.21
ISSN No.0971-4588
- 5. Luminescence in solids (with B.P. Chandra) J. of physics Education vol. 24, No.1 April-June (2007) P.5-16 Pune**
Impact Factor :
ISSN No.0970-5953
- 6. Photoplastic After Effect In II-VI Semi Conductor (Anubha Singh Gour and B.P.Chandra Int. J. of Materials Science Egypt.Volume 4, Number 6 (2009) ,pp 813-822**
Impact Factor :1.85
ISSN No.0973-4589
- 7. A new theory of the photoplastic effect in coloured alkali halide crystals (S. Tiwari a, A. S. Gour, V. K.Jogia, B. P. Chandrab) J. of Optoelectronics and Advanced Materials Vol. 12, No. 9, September (2010), p. 1840 - 1851**
Impact factor-0.58
ISC Journal

- 8. Studies on Mechanoluminescence of Irradiated NaBr and KBr Crystals. (Anubha Singh Gour and Chhaya Sidar) J. Of search and Research V ol III No 1 pp 83-86 April (2011)
ISSN No.**
- 9. Effect of Thermoluminescence of Y - Irradiated KCl, NaCl, NaBr and KBr Crystals (Anubha Singh Gour and B. P. Chandra) Int. J. of Bio-Nano Fronties VoI No. pp Dec.(2011)
Impact Factor : 2
ISSN No.0971-0678**
- 10.Effect of Sr Doping on Thev mechanoluminescence of y irradiated NaCl AND KCl Crystals.(Anubha Singh Gour and B. P. Chandra) Int. J. of Basic and Applied Researchties VoI No. pp 9 to 11 . (2012)
ISSN No.2249-3352**
- 11.Ultrasonic pulse induced mechanoluminescence of e uropium doped strontiumaluminate micro-crystals (V.D. Sonwane¹, A.S. Gaur², B. K. Haldar¹, S. Pandey¹ and B.P. Recent Research in Science and Technology Oct (2012), 4(8): 106-108
ISSN No.2076-5061**
- 12. Infrared Nd:YAG Laser-Induced Visible Mechanoluminescence From Tungsten (V.D. Sonwane, A.S. Gour and B.P. Chandra), International Journal of Luminescence and its Applications, 4Apr (2014)56-59
ISSN 2277-6362.
Impact Factor : 3.438**
- 13. Theoretical Study of the Pyroelectric Luminescence of Crystals (V.D. Sonwane, A.S. Gour and B.P. Chandra), International Journal of Luminescence and its Applications, 4 Apr (2014)59-61,
ISSN 2277-6362.
Impact Factor : 3.438**
- 14. Infrared Nd:YAG Laser-Induced Visible Mechanoluminescence From Fine Grained Metals (V.D. Sonwane, A.S. Gour and B.P. Chandra), Journal of Ravishankar University Part-B(Science), 27 Apr (2014)102-107,
ISSN 0970-5910.**
- 15. Ultrasonic Wave-Induced Elastico-Mechanoluminescence of CaZnOS:Mn²⁺/ Epoxy Resin Composite (V.D. Sonwane, A.S. Gour and B.P. Chandra), Int. J. of Science and Research (IJSR), May (2015) pp 519-520
Impact Factor : 4.438**

ISSN 2319-7064.

16. Effect of Ultrasonic Wave-Induced Oscillatory Mechanical Stress on Plastico Mechanoluminescence of Colored Alkali Halide Crystals (V. D. Sonwane, A. S. Gour, P. Jha and B. P. Chandra), Int. J. of Luminescence and its Applications, Dec (2015) pages 445-447.

ISSN NO: 2277 – 6362

Impact Factor : 3.438

17. Infrared Laser-Induced Visible Fracto Mechanoluminescence from Organic Crystals (V. D. Sonwane, A. S. Gour, P. Jha and B. P. Chandra), Int. J. of Luminescence and its Applications.), Dec (2015) pages 448-450.

ISSN NO: 2277 – 6362

Impact Factor : 3.438

18. Characterization of MgO Produced by Combustion Synthesis Method Doped with Dy³⁺ G. Sahu, A. S. Gour, and B. P. Chandra, Int. j. of research in Eng. And Tech.(IMPACT:IJRET) Sep.(2015) Vol 3 issue 9 pp 19-24

ISSN NO: 2347-4599

Impact Factor : 3.438

19. Structural and thermoluminescence properties of Sr₂Al₂SiO₇ Phosphors using solid state reaction method (A. Jadhav, A. S. Gour, And B. P. Chandra), Int. science journal Volume 2 Special Issue1 Oct (2015) pp 79-81

ISSN: 2348 – 604X (p); 2348 – 6058 (e)

20. Stimulation Of Visible Fracto Mechanoluminescence In Crystalline Sugar By Infrared Laser (V. D. Sonwane, Anubha S. Gour and B. P. Chandra), Int. science journals Volume2 Special Issue1 Oct (2015)pp 33-36

ISSN: 2348 – 604X (p); 2348 – 6058 (e)

21. Synthesis and characterization of Nano crystalline MgO Phosphor Produced by Combustion Synthesis Method Doped with Dy³⁺ (G. Sahu, A. S. Gour, and B. P. Chandra) Int. science journals Volume 2 Special Issue1 Oct (2015) pp 1562161

ISSN: 2348 – 604X (p); 2348 – 6058 (e)

22. The Study of Present Solar Cycle 24 Future Aspects (Shailraj Narang¹, Meera Gupta, Anubha Singh Gaur) Research J. of Physical Science Vol 4(3) PP 5 To 10 ISCA-RJPS April(2016) PP 5 to 10

E-ISSN- 2231-606X

23. Laser Power dependence of mechanoluminescence in metals (V.D. Sonwane, Anubha Singh Gour & Piyush Jha) J.of Bio.and Chem. Luminescence. Dec.(2016),
ISSN- 1522-7243

Impact Factor : 1.6

24. Laser shock wave-induced visible mechanoluminescence from semi-transparent organic crystals,(VD Sonwane, AS Gour, P Jha), J.of Bio. and Chem. Luminescence. April (2016)

ISSN- 1522-7243

Impact Factor :1.6

25 Synthesis photoluminescence of MgO Nano-phosphors influenced by Dy³⁺ ion concentration”(G. Sahu, A. S. Gour)), Int. J. of Luminescence and its Applications dec(2017) pages.417 422

ISSN NO: 2277 – 6362

Impact Factor : 3.438

26 Thermoluminescence and Optical Properties of Dy³⁺ Doped MgONanoparticles, Prepared by Solution Combustion Synthesis Method,(G Sahu, AS Gour, RK Chandrakar), J. of Pure Applied and Industrial Physics 7 (4), 115-127 April (2017) PP 115 to 127

ISSN-0976- 5727

27. Thermoluminescence properties of Eu-doped and Eu/Dy-codoped Sr₂Al₂SiO₇ phosphors, (A Jadhaw, VD Sonwane, AS Gour, P Jha) Wiley Publication J. of Bio.and Chem. Luminescence. March (2017)pp42to 46

ISSN- 1522-7243

Impact Factor : 1.6

28. Studies on photoluminescence of MgO Nano-phosphors influenced by Dy³⁺ ion (G. Sahu, A. S. Gour) J.of Ravishankar University (Science), 30Jan (2018 pp 130to137 ISSN- 0970-5910.

29. Cost Effective Synthesis to Promote Effective^Photoluminescence Properties of Rare Earth Doped MgO Nano-phosphors ”(G. Sahu, A. S. Gour,R.Chandrakar,), Int. J.of Optik Elsevier 164 Apr (2018) Int. J.pp 711 to720

ISSN NO: 0030-4026

Impact Factor : .7

30. Correlative Study of different Types of Solar Radio Bursts between Sunspot Numbers and Solar Flare Index for the Solar Cycle 22 to 24. (Shailraj Narang¹, Meera Gupta, Anubha Singh Gaur) Int. J. Management, Tech. and Engineering. Vol. IX, March 2019, P P 1193 to 1206.

ISSN NO: 2277 – 6362

Impact Factor :

31. Gaia 20eae: A Newly Discovered Episodically Accreting Young Star. Journal : The Astrophysical Journal Year: 2022, A.Ghosh, Anubha Singh Gour, Saurabh Sharma

ISSN 1538-4365

Impact factor: 5.874.

32. **Spectroscopy of 9 young eruptive variables with TANSPEC. Journal: Journal of Astronomy and Astrophysics, Year 2023, A.Ghosh, Anubha Singh Gour, Saurabh Sharma**
ISSN is 1432-0746
Impact factor: 1.766
33. **A Spectroscopic Atlas of FUors and EXors using TANSPEC**
Arpan Ghosh, Saurabh Sharma, Joe P Ninan, Devendra K Ojha, A S Gour
The Astrophysical Journal Year: 2023,
ISSN 0004-637X
Impact factor: 5.874
J. MNRAS000-000-000 Dec 2021
34. **Photometric study of the young open clusters IC 1442, King 21, and Trumpler 7 -Maurya, Jayanand; Joshi, Y. C.; Gour, A. S., 2020, MNRAS, 495, 2496**
ISSN NO 2496–2508
(Impactfactor : 5.287)
35. **Investigating stellar variability in the open cluster region NGC 381 -Maurya, Jayanand; Joshi, Y. C.; Panchal, A.; Gour, A. S., 2023, Astronomical Journal, 165, 90**
ISSN NO: 1538-381, April 2023
(Impact factor: 6.263)
36. **The statistical analysis of the dynamical evolution of the open clusters -Maurya, Jayanand; Joshi, Y. C.; Samal, M. R.; Rawat, V.; Gour, A. S., 2022, Journal of Astrophysics and Astronomy,**
ISSN NO.- 0973-7758
(Impact factor: 1.61)
37. **Thermoluminescence properties of Eu³⁺ doped k₂BaSr(PO₄)₂ 16-18 March 2023 to be published in Journal of Physics Conference Series. October 2023**
ISSN NO 1742-6588
(Impact factor: .5)

(Dr. (Mrs.) Anubha Singh Gour)

PAPER PRESENTATION and SCIENTIFIC PUBLICATION IN NATIONAL and INTERNATIONAL CONFERENCE, SEMINAR SYMPOSIA

- 1. Abstract of The study of Forbush Decreases Event of April 18-10, 1990 (with Arun P.Singh) Research Seminar on Space Physics Govt. Model Science College Rewa (M.P.) Autonomous 23-24 December,(1993).**
- 2. Abstract of Impact of Major Disturbance on Heliospheric Structure on Galactic Cosmic Ray Intensity During June 1991. (with Arun P. Singh) Research Seminar on Space Physics Govt. Model Science College Rewa (M.P.) Autonomous 23-24 December, (1993).**
- 3. Abstract of Flares in Relation to Solar Active Regions (with Arun P. Singh) Research Seminar on Space Physics Govt. Model Science College Rewa (M.P.) Autonomous 23-24 December, (1993).**
- 4. Abstract of Statistical Study of Solar Optical H α Flares (with Arun P. Singh) Research Seminar on Space Physics Govt. Model Science College Rewa (M.P.) Autonomous 23-24 December, (1993).**
- 5. Abstract of Cosmic Ray Modulation Events During March-June 1991. 10th M.P. Young, Scientist Congress Madhya Pradesh Council of Science and Technology Bhopal, Guru Ghasidas University, Bilaspur Feb. 20-March 2, (1995).**
- 6. Abstract of Anomalous Cosmic Ray Decreases, Observed During March-June 1991 (with A.P. Singh, A.P. Mishra, R.L. Singh) 9th National Space Science Symposium Osmania University, Hyderabad. Feb. 6 to 14, (1996) Section C-2, Paper No. C-R06.**
- 7. Cold Emission of Light : Luminescence. National Seminar on the Emerging Challenger Before Indian Women 11-13 December, (2001).**
- 8. Mechanoluminescence induced by laser in II-VI semiconductors. 1st Chhattisgarh Young Scientist Congress, 2002. Pt. Ravishankar Shukla University, Raipur on 2-3 Sept. (2002)..**
- 9. Proceeding of National Conference on LSI, Faractio-Muchanoluminescence in Vto VI Semiconductors (with M.K. Shau, R.P. Patel,V.K. Chandra, B.P. Chandra) LSI, Feb. 12 to 14,(2003). New Delhi**

10. Proceeding of International conference on luminescence to be held at BARC. Mumbai Use of Mechanoluminescence in crack growth sensing (with V.K. Chandra and B.P. Chandra) on Feb.9-12, (2004).
11. Proceeding of Int. conference on luminescence and its applications “Dependence of the luminescence Diavalent Impurity Doped Sodium Chloride on Temperature “(with Vibha Choudhary, B. Chourasia and B.P. Chandra) BARC. Mumbai on Feb. 9-12, (2004).
12. Proceeding of Nat. coference on luminesces and its application “Luminescence stimulated by LASER” (M.K. Sahu and B.P.Chandra) Feb. 2-4, (2005) (Bangalore).
13. Proceeding of Nat. coference on luminesces and its application” Thermal and Energy of Convrson characteristic of semiconductor nanoparticles” (with M.K. Sahu, V.K. Chandra and B.P. Chandra). Feb. 2-4, (2005) (Banglore)
14. Proceeding of Nat. coference on luminesces and its application” Photo stimulated luminescence of BaKbr:Eu+2 phosphors.” (with Vibha Choudhary, Paridhi Tandan and B.P. Chandra) Feb. 2-4, (2005) (Banglore)
15. Proceeding of Nat. coference on luminesces and its application” Effect of Post-Irradiation deformation on the Thermo-luminescence of Ba+2S +2 and Ca-2 doped now crystals”. (Vibha Choudhary, Basant Kumar) Feb. 2-4, (2005) (Banglore)
16. Abstract and poster presentation of National Symposium on Nano science and Nanotechnology on Physics education Spectral, Thermal and Efficiency characteristics of the photoluminescence of semiconductor nanoparticles (B.P. Chandra & P.K. Khare & R.S.Chandok). Nov. 2-4 (2006) Jabalpur.
17. Abstract and poster Presentation Characteristics of Photoplastic after effect in Alkali halide crystals (with B.P. Chandra). National conference on “Current Trends In Physics” at Bhilai Mahila Mahavidyalays Bhilai Nagar (C.G.)490009 25-26 Feb. (2007)
18. Proceeding of Nat. Conference on” Spectral stokes shift and spectral broadening Characteristics of Semiconductor Nanoparticles” (with B.P. Chandra) Physics of Nanostructured functional materials at Bhilai Institute of Technology(BIT), Durg on 16 to17 Marc, (2007)

19. **Proceeding of Nat. symposium “Effect of Particle size on the luminescence characteristics of semiconductor Nanocrystals” (with B.P. Chandra). “Recent trends on Nanostructured materials and Nanotechnology” at Rungta College of Engineering and Technology, Bhilai 490024 (C.G.) 23-24 March (2007)**
20. **Proceeding of Nat. conference on (LSI) Mechanoluminescence – A New Tools to Determine Parameters of Dislocations in Coloured Alkali – Halide Crystals. (with B.P. ChandraBharathir . University Coimbatore Jan. 18-20 (2007)**
21. **Abstract and poster Presentation Nati. conference on “Photoplastic effect in coloured Alkali halide Crystals” (with B.P. Chandra Hrizon of Electrolytic, Electronic and physics on Shankara charya college of Engineering And Technology oct. 26-27(2007) P-25.**
22. **Proceeding of Nati. conference on Effect of Ba-doping on the Mechanoluminescence of γ - irradiate KCL crystals (Anubha Singh Gour and Somlata Sahu). Advance in physics and its application. Department of physics Bhilai Institute of Techanology (BITCON 2008)7-8 Nov (2008) Durg 491001**
23. **Abstract and poster Presentationof Int. conference on “Studies on Photoplastic Memory effect in II- VI Semiconductors.” (with B.P. Chandra) International Academy of physical science CONIAPS-X Guru ghasi Das university Bilaspur (C.G.) On 14-15 Jan (2008) P-119**
24. **Proceeding of Nati. conference on “Temporal, Thermal and activator concentration Characteristics of semiconductor Nano crystals “(Anubha Singh Goure and B.P. Chandra Nanoscience and Nanotechnology (NCONSANT-2009) at Rungta College of Engineering and Technology Bhilai on Nov. 14 (2009).**
25. **Abstract and poster Presentation Nati. conference on “Studies on Mechanoluminescence of γ - Irradiated pure and Ba, Ca and Sr doped KBr Crystals”(Anubha Singh Goure, A. Meshram and Anil Sahu) High Tech Materials synthesis characterization and Applications at (DIMAT) Raipur on Dec. 14-16 (2009).**
26. **Proceeding of Nat.Conference on NanoScience and Nano Technology “Charactristics Of Semiconductor Nanocrystals”(Anubha Singh Gour, S. J. Dhoble and B. P. Chandra) at Science College Nagpur on Feb. 21-22 (2011) pp 188 – 191.**

27. Proceeding of Nat. Conference on Nanoscience and Nanotechnology studies on the thermoluminescence of irradiated Sr-Doped NaBr and KBr Crystals (Anubha Singh Gour and Chhaya Sidar) at Science College Nagpur on Feb. 21-22 (2011) pp 222-224.

28. Abstract and poster Presentation of Nati. conference on “Thermoluminescenes Studies on irradiated pure and Ba and Sr Doped KCl Crystals” (Anubha Singh Gour, S.J. Dhoble and B. P. Chandra). Luminescence and its applications (NCLA2011) Pt. Ravishankar Shukla University Raipur (C. G.) Feb. 7-9 (2011)

29. Proceeding of National Conference on RTIPS Studies on the Thermoluminescence of γ irradiated pure, Ba and Sr doped KCl Crystals, pp no 40 to 42. GOVT Autonomous College Durg on 11-12 Oct (2011) Durg (C.G.)

30. Abstract and poster presentation of Nati. conference on “Effect of Mechanoluminescence of Ba doped. KCl, NaCl, NaBr and KBr crystals.” (Anubha Singh Gour) Interaction between Traditional and Modern Technology. At Nimora 24 -25 March (2012) Raipur (C.G.)

31. Abstract and poster presentation of National Conference on “Effect of Sr-Doping On The Mechanoluminescence of γ Irradiated NaCl and KCl Crystals” (Anubha Singh Gour and B. P. Chandra) at the national conference on “Novel Materials and their Applications (NCNMA-2012)” Sponsored by CGCOST at Devendra Nagar Girls college Raipur (C.G.) oct 16 to 17 (2012).

32. Abstract and poster presentation of Visible Mechanoluminescence from Copper doped to Infrared Laser Induced Thermo-mechanical Stress, (V.D. Sonwane, A.S. Gour and B.P. Chandra) at the national conference on “Recent Trends in Photonics (NCRT-2014)” School of Studies in Electronics and Photonics, Pt. Ravishankar Shukla University, Raipur (C.G.) during 12 to 14 March (2014).

33. Abstract and poster presentation of National Conference on Structural and luminescence properties of $\text{Sr}_2\text{Al}_2\text{SiO}_7$ Phosphors using solid state method, “Recent Trends in Materials Science ” Sponsored by UGC, Dr. Radhabai Govt. Naveen Kanya Mahavidyalaya, Raipur (C.G.) on 6 Aug (2015).

34. Abstract and poster presentation of National Conference on Characterizations and PL properties of MgO Produced by combustion synthesis method doped with Dy^{3+} “Emerging Trends in Physics (ETP-2015)” Sponsored by CCOST, Raipur (C.G.) S. G. G. Govt. PG College Kurud (c.g.) On 7 Sep (2015).

35. Abstract and poster presentation of National Conference on Structural and thermoluminescence properties of $\text{Sr}_2\text{Al}_2\text{SiO}_7$ Phosphors using solid state reaction

method “Recent Advance in Physics (NCRAP-2015)” S. G. G. Govt. PG College Kurud(c.g.) during 28-29oct (2015).

36. Proceeding of Int.Symposium on Ultrasonic” . Ultrasonic Wave-Induced Elastico-Mechanoluminescence of CaZnOS:Mn²⁺/ Epoxy Resin Composite (V.D. Sonwane, A.S. Gour and B.P. Chandra)“RTMN University Nagpur during 22to 24 jan (2015)

37. Abstract and postar presentation National Conference on “the study of present solar cycle 24 A future aspects” Physics of luminescence and emerging trends” Bhilai institute of technology, Durg (c.g.) on jan.29 and 30 (2016).

38 Proceeding of National Conference on Thermoluminescence Synthesis of - Sr2Al2SiO7:Ey phosphor Hyderabad on 9 to11 Jan (2017

39. Abstract and postar presentation National Conference on “Synthesis Characterization and photoluminescence of MgO Nano-phosphors influenced by Dy³⁺ ion concentration” held at SoS in Electronics and Photonics and SoS in Physics & Astrophysics, Pt. Ravishankar Shukla University Raipur during March 28to30, (2017).

40 Proceeding of Int. Seminar on Luminescence and Materials (ISLM 2017) “Thermoluminescence properties of Sr₂Al₂SiO₇ :EyDy phosphor [OP2]” held at Nanyang Technological University, Singapore during 16to17 June (2017.

41 Abstract and postar presentation National Conference on”Study of cosmic ray intensity variation with solar active parameters during the even odd solar cycles” , meera gupta, Sailraj Narang, Anubha Singh, on Department of Applied Physics, Bhilai Institute of Technology Durg(C.G) on 28th March (2017).

42. Proceeding of National Conference on Photoluminescence And Thermoluminescence Synthesis of MgO Nano-phosphors influenced by Dy³⁺ ion concentration” (G. Sahu, A. S. Gour)),Feb (2018)

43. Abstract and postar presentation of Bhilai Institute of Technology, Durg Co Relating between Sun Sunspot Nos and Solar Radio Burst for the Solar Cycle 22 to 24 Feb , (meera gupta, Sailraj Narang, Anubha Singh) (2018)

44. Chair Person National Seminar on GENDER NORMS & GENDER EQUALITY (Centre for Women’s Studies) Pt. Ravishankar Shukla University Raipur On Date 6 to 8 Feb., (2018)

45 Proceeding of Int. Seminar on Luminescence and Materials (ISLM 2019) “Thermoluminescence of Dy³⁺ doped Mgo phosphor ”(G. Sahu, A. S. Gour and K.V.R. Murty) SoS in Physics & Astrophysics, Pt. Ravishankar Shukla University Raipur during March 28to30, (2019).

46 Proceeding of Int. Seminar on Luminescence and Materials (ISLM 2019) Ball Impact Induced Mechanoluminescence of $\text{Sr}_2\text{Al}_2\text{SiO}_7$: Eu Dy Phosphor Composite Film (A. Jadhaw, Anubha S Gour, Piyush Jha) SoS in Physics & Astrophysics, Pt. Ravishankar Shukla University Raipur during March 28to30, (2019).

47. Oral Paper presentation on National Conference on Emerging Materials and Nanotechnology (NCEMN) “Thermoluminescence properties of Dy $^{3+}$ Doped MgO Nanoparticles Prepared by Combustion Synthesis method. (G. Sahu, A. S. Gour, Avaneendra S Gour, Aryaman Singh) On National Institute of Technology Raipur C.G.

48. Invited Lecture National Seminar held at Mahant Laxminarayan Das College Raipur as Resource Person “Education Yesterday, Today and Tomorrow” (Anubha S Gour, Avaneendra S Gour, Aryaman Singh)22 Sep 2019 Raipur C.G.

49. Abstract and poster presentation of National Conference on Advanced Materials & Environmental Sciences. (Synthesis and Photoluminescence study of Ce^{3+} doped MgO Phosphor) at Department of Physics, Kalinga University, Naya, Raipur C.G. (G. Sahu, A. S. Gour and Avaneendra S Gour, Aryaman Singh) (2019)

51. National webinar on Raman effect and fibre-optic’s revolution by OSA fellow Ghatak on 28 February (2021)

52. National webinar on science and technology for innovation, entrepreneurship and jobs by Dr JV Yakhmi on 17 March (2021)

53. National Conference on NCLA-2021, Title Study on the Thermoluminescence Properties of Barium Chloride Doped KCl Crystals. Durg Science College Chhattisgarh.

54. Abstract International Seminar on Luminescence and Materials, 2022. Study of Thermoluminescence Properties of Eu doped KMgPO_4 Phosphor.9-10 December 2022 at All Saints College Trivandrum Department of Physics Trivandrum.

55. Abstract 1st International Conference on Functional Materials, August 24-26, 2022, on the Title, STUDY OF PHOTOLUMINESCENCE. Of Eu^{3+} DOPED KMgPO_4 PHOSPHOR.at Pt. Ravishankar Shukla University Raipur.

56. Abstract NSSEMA-2023 2nd National Conference on Signal processing, Sustainable Energy Materials and Astronomy and Astrophysics Study of Thermoluminescence properties of Eu^{3+} doped $\text{k}_2\text{BaSr}(\text{PO}_4)_2$ 16-18 March 2023 at Pt. Ravishankar Shukla University Raipur C.G

57. As a resource person in refresher course in physical and earth science from 01/03/2024 to 23/03/2024 pt. rssu Raipur .

T LIST OF COMMUNICATED PAPERS:

- 1 Theory of photoplastic Effect in coloured Alkali Halide Crystals Based on the Interaction between moving dislocation and Photo-obstacles. (communicated) Pramana Journal of Physics Indian Academy of Sciences, Bangalore
- 2 Photoplastic memory effect in IItoVI semiconductors (communicated) Physica status solidi (b), Germany.
- 3 Theory of photoplastic Effect in coloured Alkali Halide Crystals Based on the Interaction between moving dislocation and Photo-obstacles. (communicated) Pramana Journal of Physics Indian Academy of Sciences, Bangalore
- 4 Unified approach to the Mechano luminescence of organic and inorganic solides (communicated) Journal of luminescence America.
5. Photoplastic effect and photoplastic after effect A Review- Advances in Physics London.

NATIONAL and INTERNATIONAL CONFERENCE, SEMINAR SYMPOSIA PRESENTED

1. **Short term Courses Attended- 22nd Sept.- 6th Oct (1997) short term courses on the topic „Indian Society for Technical Education” Attended at Govt. Engineering College and Conducted by Raipur Chapter at Government Engineering College Raipur (M.P.)**
2. **Presented National Seminar on the Emerging Challenges Before Indian Women. 11-1- 3 December, Women Empowerment Year, (2001).**
3. **Award Young Scientist for research paper, at the 1st Chhattisgarh Young Scientist Congress was conferred Chhattisgarh Council of Science and Technology Raipur (C.G.) by Pt. Ravishankar Shukla University, Raipur 2nd and 3rd Sept. (2002).**

4. **Presented UGC National Seminar on Science, Technology & water (Problem and Solutions for Chhattisgarh) organised by S.O.S. in Life Science and Research Scholar Association, Pt. Ravishankar Shukla University, Raipur (C.G.) on 29th –30th April, (2002).**
5. **Presented National Seminar (Luminescence and its Applications) organized by Luminescence Society of Indian Physical laboratory, New Delhi, Delhi University, 12-14th Feb., (2003) NPL, New Delhi, India.**
6. **Presented International Conference on (Luminescence and its Applications) (ICLA-2004), February 9-12, (2004) Bhabha Atomic Research Centre Trambay, Mumbai-400085.**
7. **Attended workshop on “ Western Regional Instrument Centre Mumbai at Pt. Ravishankar Shukla University, Raipur 4 to 9 October (2004). On maintenance of Electronics Instruments.**
8. **Attended refresher course in Environmental Science from 03 to 23 March (2005) at Pt. Ravishankar Shukla University, Raipur (C.G.)**
9. **Presented and Participated in the conference on “Development of Chhattisgarh – Vision 2010” by Forum of Scientists and Technologist held on April 02, (2006) at Raipur (C.G.).**
10. **Attended a conference in “Modern Trands in Mathematics for Science and Technology Advancements” held on Sept. 24, (2006) at Raipur.**
11. **Presented national Symposium on Impact of Nanoscience and Nanotechnology on Physics education 2-4 – (2006) Jabalpur.**
12. **Presented and Participated in National Conference on Techno vision 2007 held at Shri Shandaracharya College of Engineering and Techonology, Bhilai on 26 to27 (2007)**
13. **Attended one day workshop on “Acquaitance Program of Research using Presented Accelerator Facilities at IUAC” Pt.Ravishankar Shukla University, Raipur on Jul.20, (2007). .**
14. **Presented International conference on International Academy of Physical Science (CONIAPS-X) Guru Ghasi Das University, Bilaspur C.G. on 14-15 Jan (2008).**
15. **Attended Orintation program on “New paradigm change in Higher Education in India” at Academic staff college on Pt. Ravishankar Shukla University, Raipur (C.G.) on 21 Jan. 16 Feb. (2008).**

- 16 **Attended refresher course in Psychology (Multidisciplinary) at Academic staff college Pt. Ravishankar Shukla University, Raipur on 1.02 (2009)-03.03(2009).**
17. **Presented National conference on high tech materials, synthesis, characterization and Applications at (DIMAT), Raipur on Dec. 14-16 (2009).**
- 18 **Presented National conference on Managing Interpersonal Communication in Global World organized at SOS in Psychology at Pt. Ravi Shankar Shukla University Raipur (C.G.)on 22-24 Oct (2010).**
19. **Presented International conference on Vedic Science & Its Applications Organized by chhattisgarh vigyan bharti, akhil bhartita parishad,Puri at Pt. Ravi Shankar Shukla University Raipur (C.G.)on 20-21 Nov (2010).**
20. **Presented National conference on Luminescence and its Applications NCLA-2011 At Pt. Ravi Shankar Shukla University Raipur (C.G.)on 7-9 Feb. (2011).**
21. **Presented National Conference on (NCSCAM-2011) Department of Physics Janta Mahavidyalaya Chandrapur Nagpur on 6 Oct (2011)**
22. **Attended Workshop on Teacher Employment Under NMEICTon 11 to 22 Dec. (2011) Ravvishankar Shukla University Raipur (C.G.)**
- 23 **Presented National Conference on Recent Trends in Physics of Solids on oct11 to 12 (2011) at Govt. V.Y. T. PG. Autonomous College, Durg(CG).**
- 24 **Presented National Conference on Effect of Mechanoluminescence KCl,NaCl, NaBr and Kbr crystals. (Anubha Singh Gour) National Conferense on Interaction between Traditional and Modern Technology. At Nimora Raipur 24-25 Mar (2012) (C.G.).**
25. **Presented National Conference on Novel Materials and their Applications Sponsored by CGCOST Effect of Sr-Doping On The Mechanoluminescence of γ Irradiated NaCl and KCl Crystals “ oct 16 to 17(2012) devendra nagar Girls college Raipur (C.G.)**
26. **Presented National Conference on “Role of Women in National Development in the new Millennium” Sponsored by CGCOST (Raipur) atPt. Ravishankar Shukla University, Raipur(C.G.) Jan10 to12(2013).**
27. **Presented National Conference on “Women as leaders: Roles, Issues and Concerns” Feb.5 to 7, (2014) UGC Sponsored at Pt. Ravishankar Shukla University, Raipur(C.G.)**

- 28. Presented National Conference Visible Mechanoluminescence of Visible Mechanoluminescence from Copper doped to Infrared Laser Induced Thermo-mechanical Stress, (V.D. Sonwane, A.S. Gour and B.P. Chandra) at the national conference on “Recent Trends in Photonics (NCRT-2014)” School of Studies in Electronics and Photonics, Pt. Ravishankar Shukla University, Raipur(C.G.) during 12 to 14 March (2014).**
- 29 Presented National Workshop on “Yoga For Women” Sponsored by UGC, School of Studies in Electronics and Photonics, Pt. Ravishankar Shukla University, Raipur(C.G.) during m 3 to 9 Aug(2014).**
- 30 Presented National Workshop on “Operation and Maintenance of Laboratory Equipments” Organized by SOS in Electronics & Photonics ,Pt. Ravishankar Shukla University, Raipur(C.G.) & Western Regional Instrumentation Center,Mubai. During on 19 to 23 Jan 2015.**
- 31. Presented National Seminar on “Recent Trends in Materials Science ”Sponsored by UGC, Dr.Radhabai Govt. Naveen Kanya Mahavidyalaya, Raipur(C.G.)on 6Aug (2015).**
- 32. Presented National Seminar on “Emerging Trends in Physics (ETP-2015)” Sponssored by CCOST ,Raipur (C.G.)S. G. G. Govt. PG College Kurud (c.g.) on 7 Sep 2015.**
- 33. Presented UGC Sponsored National Conference on “Recent Advance in Physics (NCRAP-2015)” S. G. G. Govt. PG College Kurud(c.g.) during 28to29oct (2015).**
- 34 Presented National Conference on “the study of present solar cycle 24 A future aspects” Physics of luminescence and emerging trends” Bhilai institute of technology, Durg (c.g.) on jan.29 to 30 (2016).**
- 35 Attended National Workshop on “Entrepreneurship in Renewable Energy Technologies for Chhattisgarh Tribal’19to24 th sep(2016)atPt.Ravishankar Shukla University Raipur (C.G.)**
- 36. Presented National Conference on “Synthesis Characterization and photoluminescence of MgO Nano-phosphors influenced by Dy³⁺ ion concentration” held at SoS in Electronics and Photonics and SoS in Physics & Astrophysics, Pt. Ravishankar Shukla University Raipur during March 28-30, (2017).**
- 37. Presented Int. Seminar on Luminescence and Materials (ISLM 2017) “Thermoluminescence properties of Sr₂Al₂SiO₇ :EyDy phosphor [OP2]” held at Nanyang Technological University, Singapore during 16to17 June 2017.**

38. Presented on National Conference on "Study of cosmic ray intensity variation with solar active parameters during the even odd solar cycles" , meera gupta, Sailraj Narang, Anubha Singh, on Department of Applied Physics, Bhilai Institute of Technology Durg(C.G) on 28th March 2017.

39. Presented on National Conference on "Study of cosmic ray intensity " , meera gupta, Sailraj Narang, Anubha Singh, on Department of Applied Physics, Bhilai Institute of Technology Durg(C.G) on 2018.

40. Chair Person National Seminar on GENDER NORMS & GENDER EQUALITY (Centre for Women's Studies) Pt. Ravishankar Shukla University Raipur On Date 6 to 8 Feb., (2018)

41. Presented Proceeding of National Conference on Photoluminescence And Thermoluminescence Synthesis of MgO Nano-phosphors influenced by Dy³⁺ ion concentration" (G. Sahu, A. S. Gour)),Feb (2018)

42. Presented Abstract and postar presentation of Bhilai Institute of Technology, Durg Co Relating between Sun Sunspot Nos and Solar Radio Burst for the Solar Cycle 22 to 24 Feb , (meera gupta, Sailraj Narang, Anubha Singh) (2018)

43. Presented Proceeding of Int. Seminar on Luminescence and Materials (ISLM 2019) "Thermoluminescence of Dy³⁺ doped Mgo phosphor "(G. Sahu, A. S. Gour and K.V.R. Murty) SoS in Physics & Astrophysics, Pt. Ravishankar Shukla University Raipur during March 28to30, (2019).

44. Presented Oral Paper presentation on National Conference on Emerging Materials and Nanotechnology (NCEMN) "Thermoluminescence properties of Dy³⁺ Doped MgO Nanoparticles Prepared by Combustion Synthesis method. (G. Sahu, A. S. Gour, Avaneendra S Gour, Aryaman Singh) On National Institute of Technology Raipur C.G.

45. Presented Invited Lecture National Seminar held at Mahant Laxminarayan Das College Raipur as Resource Person "Education Yesterday, Today and Tomarrow" (Anubha S Gour, Avaneendra S Gour, Aryaman Singh)22 Sep 2019 Raipur C.G.

46. Presented Abstract and postar presentation of National Conference on Advanced Materials & Environmental Sciences. (Synthesis and Photoluminescence study of Ce³⁺ doped MgO Phasphar) at Department of Physics, Kalinga University, Naya, Raipur C.G. (G. Sahu, A. S. Gour and Avaneendra S Gour, Aryaman Singh)

47. National webinar on Raman effect and fibre-optic's revolution by OSA fellow Ghatak on 28 February 2021
48. National webinar on science and technology for innovation, entrepreneurship and jobs by Dr JV Yakhmi on 17 March 2021
49. National Conference on NCLA-2021, Title Study on the Thermoluminescence Properties of Barium Chloride Doped KCl Crystals. Durg Science College Chhattisgarh.
50. International Seminar on Luminescence and Materials, 2022. Study of Thermoluminescence Properties of Eu doped KMgPO₄ Phosphor. 2022 at
51. 1st International Conference on Functional Materials, August 24-26, 2022, on the Title, STUDY OF PHOTOLUMINESCENCE. Of Eu³⁺ DOPED KMgPO₄ PHOSPHOR. at Pt. Ravishankar Shukla University Raipur.
52. NSSEMA-2023 2nd National Conference on Signal processing, Sustainable Energy Materials and Astronomy and Astrophysics Study of Thermoluminescence properties of Eu³⁺ doped K₂BaSr(PO₄)₂ 16-18 March 2023 at Pt. Ravishankar Shukla University Raipur C.G
53. Nation Unity Conference on Bharat Ratna Mother Teresa Gold Medal Award on Global Economic Progress & Research Association New Delhi in Individual Achievement and national Development on 18 March 2023 at Chennai.
54. Nation Unity Conference on Bharat Udyog Ratna Gold Medal Award Global Economic Progress & Research Association New Delhi in Individual Achievement and national Development on 27 May 2023 at Bangalore.
55. Nation Unity Conference on Award Doctor of Letters (D.Lit) on Ashcroft University, London England UK on 27 May 2023

NO. OF M. Phil STUDENTS AWARDED

S. No.	NAME	YEAR	TITLE
1.	Miss Somlata	2008	Studies on the ML of Y-Irradiated Pure and Ba-Doped KCl And KBr Crystals
2.	Mr. Anil Sahu	2009	Studies on the ML of Y-Irradiated Pure and Ca, Sr, Ba-Doped KBr Crystals
3.	Miss Alka Mesharam	2009	Studies on the ML of Y-Irradiated Pure and Ba-Doped KCl And KBr Crystals
4.	Miss Chaya Sidar	2010	Studies on the ML and TL of Y-Irradiated Pure and Sr-Doped NaBr and KBr crystals.
5.	Miss Kiran kumari	2011	Studies on the ML and TL of Y-Irradiated Pure NaCl, KCl, KBr and NaBr crystals.
6	Richa Sharma	2012	Studies on the ML of Y-Irradiated Pure and Ba-Doped KCl And KBr Crystals

NO. OF Ph. D. STUDENTS REGISTER

S. No.	NAME	YEAR	TITLE
1	Shailraj	5.07.2013	Solar Modulation of Cosmic Rays During the Even-Odd Solar Cycles.
	A. Jadhav	21st June,2019	Studies on the persistent Luminescence of Rare Earth doped Sr ₂ Al ₂ Sio phosphor
2.	Jayanand Maurya	28.12.2017	Photometric and Variability in the Galactic Open Clusters
3	Arpan Ghosh	28.12.2017	Multi Wavelength Spectro – Photometric Monitoring of Episodically Accreting Young Low-Mass Stars
4	Shubham Khunte	04.102018	Studies on Sturctural and Luminescence Properties of RARE Earth Doped Alkali Magnesium Phosphate Phosphors
5	Ashish Sakiya	18-03-2021	SYNTHESIS, CHARACTERIZATION AND LUMINESCENCE PROPERTIES OF RARE EARTH ACTIVATED K ₂ BaM(PO ₄) ₂ [M=Ca, Sr] PHOSPHORS.

V MEMBERSHIP OF PROFESSIONAL BODIES, SOCITIES :

- (i) Life member of Luminescence Society of India (LSI).
- (ii) Life member of Indian Science Congress Association (ISCA)
- (iii) Member of Forum of Scientist and Technologist (FOST).
- (v) Member of Science India (S.I.)

W Membership of Different Committees in Pt.R.S.S.U., Raipur.

- (i) Member of women study center, Pt.R.S.S.U., Raipur.
- (ii) Member of R.S.U. Teacher's Association.
- (iii) Member of University Library, Pt.R.S.S.U., Raipur.
- (iv) Member of Dicipline Committee of women hostel, Pt. Ravishankar Shukla University, Raipur.
- (v) Member of University Antiragging Committee Pt.R.S.S.U. Raipur (C.G.)

RESEARCH INTERESTS

- (i) Thermoluminescence
- (ii) Photoluminescence

(iii) Mechanoluminescence

Y REFRESHER/ORIENTATION COURSE ATTENDED

- 1. Attended refresher course in Environmental Science from 03 to 23 March at Pt. Ravishankar Shukla university, Raipur (C.G.) (2005)**
- 2. Attended orientation Program on “New Paradigm change in Higher Education in India” at Academic staff college on Pt. Ravishankar Shukla university, Raipur (C.G.) on 21jan.-16Feb(2008)**
- 3 .Aattended refresher course in Psychology(Multidisiplinary) at acadmic staff College on Pt. Ravishankar Shukla university, Raipur (C.G.) on 1/02/2009 to 03/03/2009 (2009)**
- 4. As a resource person in refresher course in physical and earth science from 01/03/2024 to 23/03/2024 pt. rssu Raipur .**

WORKSHOP ATTENDED

- 1. Attended workshop on “ Western Regional Instrument Centre Mumbai at Pt. Ravishankar Shukla University, Raipur 4 to 9 October (2004). On maintenance of Electronics Instruments.**
- 2. Attended one day workshop on “Acquaitance Program of Research using Presented Accelerator Facilities at IUAC” Pt.Ravishankar Shukla University, Raipur on Jul.20, (2007).**
- 3. Attended Workshop on Teacher Employment Under NMEICT. on 12 to 22 Dec. (2011) Ravvishankar Shukla University Raipur (C.G.)**
- 4. Attended Workshop on “Entrepreneurship in Renewable Energy Technologies for Chhattisgarh Tribal '19 to 24 th sep (2016) at Pt. Ravishankar Shukla University Raipur (C.G.)**

Z REASEARCH ACHIEVEMENT:

- A. Ph D Awarded 4
SUPERVISER 4 PhD. Students
SUPERVISED 6 M. PHIL. Dissertations.**
- B. Published 37 Research papers in International and National journals**

- C. Presented / Published 56 Research papers in the Proceedings and abstract of National and International Conferences /Seminars/Symposia.
Total 93 Research papers in International and National journals/ Proceedings and abstract of National and International Conferences /Seminars/Symposia.

D.1 Ph. D. Awarded:

1. Vivek Singh Sonwane – 07/10/2017
2. A Jadhav – submitted 21 June 2019
3. J Mourya 2022,1/04/2022
4. Arpan Ghosh 2023,04/07/2023

D2 PH. D. SUBMITTED

1. Jayanand Maurya – (to be submitted Dec 2021)
2. PhD submission date 13th September, 2022
Thesis title "Multi Wavelength Spectro-Photometric Monitoring of Episodically Accreting Young Low-Mass Stars"

Social Work:-

I worked for the welfare of children and students in their medical treatment for Sickle cell anemia

PRESENT WORKING PLACE AND NATURE OF JOB:

Taking Post Graduate M.Sc. , M.Phil. classes at School of Studies in Physics and Astrophysics, Pt. Ravishankar Shukla University. Raipur (C.G.)

Declaration

I certify that the foregoing information is correct and complete to best of my knowledge.

Signature of the candidate

Place :
Date:

(Dr. Anubba Singh Gour)
Professor S.O.S. in Physics and
Astro Physics
Pt. R.S. University, Raipur (CO.)
Phone: 2263048 (R)