

## BIO-DATA OF DR. MRS. ANUBHA SINGH GOUR

- A. NAME - ANUBHA SINGH GOUR**  
Ph.D., M.Phil, M.Sc.
- B DESIGNATION - Sr. Lecturer,**  
School of Studies in Physics  
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, Sect. – 2**  
  
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. - Res – 0771-2263048**  
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- J MOBILE NO - 9753393639**
- K. EMAIL ID.- [anubha\\_09@yahoo.com](mailto:anubha_09@yahoo.com)**

## L ACADEMIC QUALIFICATION

Standard	Year of Passing	Institute	Subject
1. Higher Secondary	1986	M.P. Board	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 <sup>th</sup> 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 till date	Pt. Ravishankar Shukla University, Raipur (C.G.)	Machanoluminescence of solids

## M AWARD

Award Young Scientist for research paper, at the 1<sup>st</sup> Chhattisgarh Young Scientist Congress was conferred Chhattisgarh Council of Science and Technology Raipur (C.G.) by Pt. Ravishankar Shukla University, Raipur 2<sup>nd</sup> and 3<sup>rd</sup> Sept. (2002).

## N 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 Promila Gokuldos Daga College, Raipur (C.G.).

**O PROJECT :**

(i) ONGOING 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 by C.G.COST, RAIPUR (C.G.)

**P 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		1 Year

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 2years		Integrated Course (20072008) (2008..2009)			
10	Pt. Ravisanakar Shukla University, Raipur (SOS in Phys.)		PG	28 Aug. 2004, Regular	Till Date		5 Years (adhoc/cont) 11 Years 4 Months
<b>Duration</b>						<b>6 Year</b>	<b>17Years</b>

**(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

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

**TOTAL NUMBER OF PAPERS BY DR. ANUBHA SINGH GOUR :56**

**PAPERS PUBLICATION IN INTERNATIONAL & NATIONAL JOURNALS : 24**

**PAPER PRESENTATION and SCIENTIFIC PUBLICATION IN NATIONAL and INTERNATIONAL CONFERENCE, SEMINAR SYMPOSIA : 35**

**PAPERS PUBLICATION IN INTERNATIONAL & NATIONAL JOURNALS**

- 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. Sonwane<sup>1</sup>, A.S. Gaur<sup>2</sup>, B. K. Haldar<sup>1</sup>, S. Pandey<sup>1</sup> and B.P. Recent Research in Science and Technology (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, 4(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(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(2014)102-107,  
ISSN 0970-5910.
- 15. Ultrasonic Wave-Induced Elastico-Mechanoluminescence of CaZnOS:Mn<sup>2+</sup>/ Epoxy Resin Composite** (V.D. Sonwane, **A.S. Gour** and B.P. Chandra), Int. J. of Science and Research (IJSR), (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. ), (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. ), (2015) pages 448-450.  
**ISSN NO: 2277 – 6362**  
**Impact Factor : 3.438**
- 18. Characterization of MgO Produced by Combustion Synthesis Method Doped with Dy<sup>3+</sup>** **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  $\text{Sr}_2\text{Al}_2\text{SiO}_7$  Phosphors using solid state reaction method** (A. Jadhav, A. S. Gour, And B. P. Chandra), Int. science journals Volume- 2 Special Issue-1 (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 Volume- 2 Special Issue-1 (2015)pp 33-36  
ISSN: 2348 – 604X (p); 2348 – 6058 (e)
- 21. MgO Produced by Combustion Synthesis Method Doped with  $\text{Dy}^{3+}$**  (G. Sahu, A. S. Gour, and B. P. Chandra) Int. science journals Volume- 2 Special Issue-1 (2015)  
ISSN: 2348 – 604X (p); 2348 – 6058 (e)
- 22. Laser Power dependence of mechanoluminescence in metals** ( V.D. Sonwane, Anubha Singh Gour & Piyush Jha) 25 Dec. 2015, Journal of Biological and Chem. Luminescence.  
ISSN- 1522-7243
- 23. The Study of Present Solar CYCLE 24 – FUTURE Aspects** (Shailraj Narang<sup>1</sup>, Meera Gupta, Anubha Singh Gaur) ISCA-RJPS-2016-010  
E-ISSN- 2231-606X
- 24. Laser Shock wave-induced visible mechanoluminescence from semi-transparent organic crystals.** (V.D. Sanwane, Anubha S. Gour and Piyush Jha) 05 April 2016, Journal of Biological and Chem. Luminescence.  
ISSN -1522-7243

**(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  $\alpha$  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. conference 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. conference on luminesces and its application” Thermal and Energy of Conversion characteristic of semiconductor nanoparticles” (with M.K. Sahu, V.K. Chandra and B.P. Chandra). Feb. 2-4, (2005) (Banglore)
14. Proceeding of Nat. conference on luminesces and its application” Photo stimulated luminescence of BaKBr:Eu<sup>+2</sup> phosphors.” (with Vibha Choudhary, Paridhi Tandan and B.P. Chandra) Feb. 2-4, (2005) (Banglore)
15. Proceeding of Nat. conference on luminesces and its application” Effect of Post-Irradiation deformation on the Thermo-luminescence of Ba<sup>+2</sup>S<sup>+2</sup> and Ca<sup>-2</sup> 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, Bilai 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 Cimbatore 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  $\gamma$ - irradiate KCL crystals (Anubha Singh Gour and Somlata Sahu). Advance in physics and its application. Department of physics Bilai 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 Bilai on Nov. 14 (2009).**

**25. Abstract and poster Presentation Nati. conference on “Studies on Mechanoluminescence of  $\gamma$ - 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  $\gamma$  irradiated pure, Ba and Sr doped KCl Crystals.**pp no 40to 42. GOVT Autonomous College Durg on11-12 Oct (2011) Durg(C.G.)
30. **Abstract and postar presentation of Nati. conference on “Effect ofMechanoluminescence ..... 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 postar presentation of Nati. conference on National Conference Effect of Sr-Doping On The Mechanoluminescence of  $\gamma$  Irradiated NaCl and KCl Crystals (2012)**
- 32 **Abstract and postar presentation of Visible Mechanoluminescence from Copper due 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 m12-14 March 2014 (Poster Presentation )**
33. **Abstract and postar presentation of 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 6Aug (2015).**
34. **Abstract and postar presentation of Characterizations and PL properties of MgO Produced by combustion synthesis method doped with  $\text{Dy}^{3+}$  “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 postar presentation of 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).**

**T LIST OF COMMUNICATED PAPERS:**

1. Laser Mechanoluminescence in II-IV Semiconductor (communicated) Indian Journal of Pure and Applied Physics. (Kolkata).
2. Photoplastic memory effect in II-VI 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  
ATTENDED.:**

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. **Attended 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 1<sup>st</sup> Chhattisgarh Young Scientist Congress was conferred Chhattisgarh Council of Science and Technology Raipur (C.G.) by Pt. Ravishankar Shukla University, Raipur 2<sup>nd</sup> and 3<sup>rd</sup> Sept. (2002).**
4. **Attended 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 29<sup>th</sup> –30<sup>th</sup> April, (2002).**
5. **Attended National Seminar ( Luminescence and its Applications) organized by Luminescence Society of Indian Physical laboratory, New Delhi, Delhi University, 12-14<sup>th</sup> Feb., (2003) NPL, New Delhi, India.**
6. **Attended 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 – 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. **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. **Attended national Symposium on Impact of Nanoscience and Nanotechnology on Physics education 2-4 – (2006) Jabalpur.**
12. **Participated in National Conference on Techno vision 2007 held at Shri Shandaracharya College of Engineering and Techonology, Bhilai on 26-27 (2007)**

13. **Attended one day workshop on “Acquaintance Program of Research using Accelerator Facilities at IUAC” Pt.Ravishankar Shukla University, Raipur on Jul.20, (2007).**
14. **Attended International conference on International Academy of Physical Science (CONIAPS-X) Guru Ghasi Das University, Bilaspur C.G. on 14-15 Jan (2008).**
15. **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 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. **Attended National conference on high tech materials, synthesis, characterization and Applications at (DIMAT), Raipur on Dec. 14-16 (2009).**
18. **Attended one day seminar on quality in institutions of higher education in Chhatisgarh on 14th July at Pt. Ravi Shankar Shukla University Raipur (2010).**
19. **Attended 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).**
20. **Attended 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).**
21. **Attended National conference on Luminescence and its Applications NCLA-2011 At Pt. Ravi Shankar Shukla University Raipur (C.G.) on 7-9 Feb. (2011).**
22. **Attended National Conference on (NCSCAM-2011) Department of Physics Janta Mahavidyalaya Chandrapur Nagpur on 6 Oct (2011)**
23. **Attended workshop on Teacher Employment Under NMEICT ..... on 12 to 22 Dec. (2011) Ravishankar Shukla University Raipur (C.G.)**
24. **Attended National Conference on (RTIPS “Studies on.....KCl Crystals” on 11-12 Oct (2011) Durg**
25. **Abstract and poster presentation of” Effect of Mechanoluminescence ..... KCl, NaCl, NaBr and KBr crystals. (Anubha Singh Gour ) National Conference on Interaction between Traditional and Modern Technology. At Nimora Raipur 24-25 Mar (2012) (C.G.).**

26. **Attended National Conference Effect of Sr-Doping On The Mechanoluminescence of  $\gamma$  Irradiated NaCl and KCl Crystals (2012) nagar Girls college Raipur (C.G.)**
27. **Attended National Conference Women as leaders: Roles, Issues and Pt. Ravishankar Shukla University, Raipur(C.G.)(2013).**
28. **Attended National Conference Women as leaders: Roles, Issues and Concerns ,Feb.5 to 7, (2014) Pt. Ravishankar Shukla University, Raipur(C.G.)**
29. **Attended National Conference Visible Mechanoluminescence .....Thermo-mechanical Stress “Recent Trends in Photonics (NCRT-2014)” School of Studies in Electronics and Photonics, Pt. Ravishankar Shukla University, Raipur(C.G.) during m12-14 March (2014) (Poster Presentation )**
30. **Attended National Seminar on “Recent Trends in Materials Science ”Sponsored by UGC, Dr.Radhabai Govt. Naveen Kanya Mahavidyalaya, Raipur(C.G.)on 6Aug (2015).**
31. **Attended National Seminar on “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).**
32. **Attended UGC Sponsored National Conference on “Recent Advance in Physics (NCRAP-2015)” S. G. G. Govt. PG College Kurud(c.g.) during 28-29oct (2015).**

#### **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.)

## **X RESEARCH INTERESTS**

- (i) Mechanoluminescence
- (ii) Thermoluminescence
- (iii) Photoluminescence

## **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)

## **Z REASEARCH ACHIEVEMENT:**

- A. SUPERVISER 4 PhD. Students  
SUPERVISED 5 M.PHIL.Dissertations.
- B. Published 13 Research papers in International and National journals
- C. Presented / Published 32 Research papers in the Proceedings and abstract of National and International Conferences /Seminars/Symposia.

## **PRESENT WORKING PLACE AND NATURE OF JOB:**

Taking Post Graduate M.Sc., M.Tech,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)**  
Sr. Lecturer

S.O.S. in Physics  
Pt. R.S. University, Raipur (CO.)  
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