CURRICULAM VITAE

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3. Institution: Mathabhanga College

4. Date of Birth: 24th Nov. 1977

5. Gender (M/F/T): F

6. Category Gen/SC/ST/OBC: Gen

7. Whether differently abled (Yes/No) : No

8. Academic Qualification (Undergraduate Onwards)

Sl. No.	Degree	Year	Subject	University/ Institution	%Marks
1.	B.Sc. (Hons.)	1998	Physics (Hons), Chemistry (General), Mathematics (General)	Calcutta University	60.33
2.	M.Sc.	2001	Physics	Calcutta University	62.5
3.	GATE	2003	Physical Science	Dept. of Eduation, MHRD	
4.	SLET	2003	Physical Science	West Bengal College Service Commission	

9. Ph.D thesis title, Guide's Name, Institute/Organization/University, Year of Award.

Thesis Title**: Theoretical study of the effect of dynamically induced coherence and spontaneously generated coherence on nonlinear processes**

Guide's Name: Prof. Krishna Rai Dastidar
Name of the Institution: Indian Association for the Cultivation of Science
Year of award: 2009

9. Work experience (in chronological order).

Sl. No.	Positions held	Name of the institution	From	To	Pay scale
1	Junior Research Fellowship	Indian Association for the cultivation of Science	2003	2005	Fellowship
2.	Senior Research Fellowship	Indian Association for the cultivation of Science	2006	2009	Fellowship
3.	Research Associate	Indian Association for the cultivation of Science	2009	2011	Fellowship
4.	Assistant Professor	Adamas Institute of Technology	2011	2015, March	15600- 6,000 - 39100
5.	Assistant professor	Mathabhanga College	2015, March	Till now	15600- 6,000 - 39100

11. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant.

Sl. No.	Felloship	Awarding Agency	Year
1.	JRF	Indian Association for the Cultivation of Science	2003
2.	SRF	Indian Association for the Cultivation of Science	2005
3.	Outstanding Paper Award	2nd Regional Science and Technology Congress, 2017	2017

12. Publications *(List of papers published in SCI Journals, in year wise descending order).*

Sl. No.	Author(s)	Title	Name of Journal	Volume	Page	Year
1.	Sulagna Dutta And Krishna Rai Dastidar	**Study of group velocity in the negative refractive index region in three level closed Λ system via spontaneously generated coherence**	Molecular Physics	110	431	2012
2.	Sulagna Dutta And K. RAi Dastidar	**Switching from superluminal to subluminal light propagation in the negative refractive index region of a three-level Λ system in presence of spontaneously generated coherence**	Asian J. Of Physics	20	203	2011
3.	Sulagna Dutta	**Incohernt pump rate: An optical tool to control the probe response and dispersion in a three level Λ system in presence of spontaneously generated coherence" –** Sulagna Dutta, Phys. Scr, **83,** 015401 (2011)	Physica Scripta	83	025401	2011
4.	Sulagna Dutta And K. RAi Dastidar	**Realization of negative refractive index in three level Λ system via Spontaneously generated coherence**	J. Phys. B. At. Mol.Opt. Phys.	43	215503	2010
5.	Sulagna Dutta	**High refractive index without absorption via spontaneously generated coherence in a three level Ladder system**	Physica Scripta	82	015402	2010
6.	Sulagna Dutta	**Effects of Spontaneously Generated Coherence and Dynamically Induced Coherence on the susceptibility and group index of a three level closed Λ system**	Nonlinear Optics and Quantum Optics	41	329	2010
7.	Sulagna Dutta And K. RAi Dastidar	**Control over group velocity in a three level closed Ladder system with Spontaneously Generated Coherence**	International Journal of Theoretical Physics, Group Theory and Nonlinear Optics;	14	1	2010
8.	Sulagna Dutta And K. RAi Dastidar	**Amplification Without Population Inversion**	Nonlinear Optics and Quantum Optics,	41	287	2010
9.	Sulagna Dutta And K. RAi Dastidar	**A New Way of Broadening the EIT Window: control over Subluminal Group velocity**	Journal Of Physics: Conference Series	185	012036	2009

10.	K. Rai DAstidar and Sulagna Dutta	**Broadening of EIT window by incoherent pumping in three level Λ system: Effect of homogeneous and inhomogeneous broadening**	Euro Physics Letter	82	54003	2008
11.	Sulagna Dutta And K. RAi Dastidar	**Control of probe response and dispersion in a three level closed Λ system : Interplay between Spontaneously Generated Coherence and Dynamically Induced Coherence**	J. of Phtsics, Conference series	80	012030	2007
12.	Sulagna Dutta And K. RAi Dastidar	**Control over group velocity in a three-level closed Λ system via spontaneously generated coherence and dynamically induced coherence**	J. Phys. B. At. Mol.Opt. Phys.	40	4287	2007
13.		**Combined effect of spontaneously generated coherence and dynamically induced coherence in a three-level closed Λ system**	J. Phys. B. At. Mol.Opt. Phys	39	4525	2006
14.		**Study of Amplification without Inversion in H_2 molecule: Effect of homogeneous and inhomogeneous broadening in three level Λ system considering bidirectional pumping**	International Journal of Theoretical Physics, Group Theory and Nonlinear Optics	12	43	2006
15.		**Amplification without inversion and absorption with inversion in H_2 molecule: A dressed-state picture of a coherently coupled three level Λ system**	International Journal of Theoretical Physics, Group Theory and Nonlinear Optics	12	65	2006
16.		**Control of amplification without inversion in H_2 and LiH molecules: Dependence on relative magnitude of probe and coherent field Rabi frequencies in three-level Λ system**	Pramana – J. of Physics	67	1099	2006

13. Participation in Orientation Programme/ Refresher Course:

30th Orientation Programme
Organiser department & Institution: North Bengal University & UGC-HRDC
Date: From …01/07/2017… to ……28/07/2017……