

# Résumé



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**Date of Birth** : December 29, 1965

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**Present Position** : Assistant Professor

**Affiliation** : Hooghly Engineering and Technology College (HETC), Vivekananda Rd., Pipulpati, Hooghly 712 103, INDIA.

## Academic Qualification:

Year	Degree	Institute/University	Remarks
1998	Ph.D.*	I. I. T., Kanpur	Sub. : Dec. '96; Def. : Nov. '97
1988	M. Sc.	Jadavpur University	Physics, Exam. In 1989

\*Dissertation: *Coherent and Squeezed Angular Momentum States in Schwinger Representation with Applications to Quantum Optics*

## Previous Employments:

Organization	Address	Position	From	To
HETC	Hooghly 712 103	Sr. Lecturer	June '07	Dec. '10
HETC	Hooghly 712 103	Asst. Registrar	Feb. '05	May '07
Narayana IIT Academy	New Delhi 110 016	Lecturer	Sep. '04	Dec. '04
FIITJEE	New Delhi 110 016	Lecturer	Apr. '04	Aug. '04

## Post Doctoral Research Positions:

Organization	Address	Position	From	To
Jawaharlal Nehru Centre for Advanced Scientific Research (JNC-ASR)	Bangalore 560 064	Research Associate	18.08.99	31.08.01
Centre for Theoretical Studies (CTS), Indian Institute of Science (IISc)	Bangalore 560 080	Research Associate	18.08.98	17.08.99
Physical Research Laboratory (PRL)	Ahmedabad 380 009	Postdoctoral Fellow	16.12.96	15.06.98

**Publications: 16**  
In Journal : 6 (International) + 1 (National)  
In Book/Conf. Proceedings : 6 (International) + 3 (National)  
*arXiv* preprints : 6

**Professional Memberships:** OSA, IoP, SPIE.

### Computer Expertise (Since 1988):

Machines : Mainframe & Workstations (HP & IBM), PC (286 to Core2Duo)  
Platforms : UNIX (HP-UX & AIX), Linux (Redhat, Ubuntu & Fedora), BSD (open & free), Windows (95 to XP-SPIII), DOS  
Languages : FORTRAN (77 & 90 ; Standard, AIX & Microsoft PowerStation), Python, Shell, C, BASIC  
Libraries : MATHEMATICA (3 to 7), MATLAB (3 to 5), Numerical Recipes, NAG, IMSL  
Codes Developed : Solution of PDE & coupled ODEs (Finite Element Method), Eigen System analysis, Projected Hartree Fock Bogoljubov (PHFB) iteration for nuclear many body systems, Finite Temperature iteration of nuclear properties with DDM3Y interaction.  
System Administration : Assisted in administration & networking P-III/IV with Mainframe (HP/IBM) at CTS, IISc, and, Laser Physics & Quantum Optics Division, PRL.

### Other Achievements:

1. **Biographies** appear in **Marquis Who's Who in the World** and **Asia**.
2. **Associate** for four months in two visits, at Physical Research Laboratory (PRL), Ahmedabad 380 009, for collaborative research during **2010-12**.
3. **Summer Research Fellow 2008**, jointly by **IASc, Bangalore, INSA, ND and NASI, Allahabad**, to work under the guidance of **Dr. Bikash Sinha**, Director, VECC & SINP, Kolkata.
4. **Category A Speaker** in Theoretical Physics Seminar Circuit (**TPSC**) by S.N. Bose National Centre for Basic Sciences, Kolkata, for years 1995-96, 1999-2000, and 2000-01.
5. Qualified **NET, 1989** and **GATE 1990**.
6. **Government of India Merit cum Means Scholar**, Ministry of Education and Social Welfare, 1977, for complete (Tuition, Books, Residential and Clothing) expenses at specific institutions up to High School level (availed during 1978-82).
7. **Merit cum Means Stipend holder** (50%) by RKM Vidyapith, Purulia for Tuition and Residential expenses during 1975-77.

### References:

1. Prof. Jagdish Rai Luthra  
Departamento de Física, Universidad de los Andes, A. A. 4976, Bogota, **COLOMBIA**.  
[jluthra@uniandes.edu.co](mailto:jluthra@uniandes.edu.co)
2. Prof. Girish Sharan Agarwal, **Noble Foundation Chair & Regent Professor**  
Department of Physics, 145-Physical Sciences, Oklahoma State University, Stillwater, Oklahoma-74078, **USA**.  
[girish.agarwal@okstate.edu](mailto:girish.agarwal@okstate.edu)
3. Prof. N. Kumar, **Chairman, IISER, Pune & Ex-director, RRI, Bangalore**  
Raman Research Institute, Sadashivnagar, Bangalore 560 064, **INDIA**.  
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