

Dr. Ajai Kumar Garg

Head of Physics Department

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Academic Qualifications:

Examination	Year	Board/University	Subjects	Division	Marks
Ph.D.	1975	Indian Institute of Technology, Delhi	'Optical, Infrared and Laser Raman Studied in Hexagonal Layer Semiconducting Compounds'		
M.Sc.	1971	Meerut University	PHYSICS (Solid State Physics)	1 st	800/1200
B.Sc.	1969	Meerut University	Math, Physics and Chemistry	1 st	790/1000
Intermediate	1967	U.P. Board	Hindi, English, Math, Physics and Chemistry	1 st	345/500
Matriculation	1965	U.P. Board	Hindi, English, Math, Science, Geo. Drawing	1 st	355/500
Certificate of Proficiency	1975	Jawaharlal Nehru University, Delhi	French Language (as a part time student)	1 st	293/400

- Member of Institute of Physics, London, U.K. elected in 1983
- Title of Chartered Physicist(**C. Phys.**) Institute of Physics, London, U.K.
- Life Member, Indian Association of Crystal Growth, Madras, 1987.
- Founder Member of Indian Association of Physics Teachers, Kanpur, 1984.
- Member of Indian Physics Association, Bombay, 1981.
- Member of Indian Science Congress, Calcutta, 1979

Scholarships & Experience :

Award	Purpose	Duration
Common-wealth Scholarship Government of U.K. for Studies at King's College, London	Post-doctoral Research	1982-83
Council of Scientific and Industrial Research, JRF & PDF at I.I.T., Delhi	Ph.D. and Post-doctoral Research	1971-75

National Scholarship	M.Sc.	1969-71
University Bursary Scholarship	B.Sc.	1967-69
Intermediate Merit Scholarship	Intermediate	1965-67
Principal's Gold medal	All-round best student of Meerut College, Meerut	1970

Teaching:

- About thirty seven years; B.Sc., M.Sc. Physics classes including Solid State Physics course at N.A.S.(PG) College, CCS University, Meerut, since 1975.
- Six months; M.Sc. and M.Phil. Physics classes at Institute of Advanced Studies, CCS University (formerly Meerut University), Meerut, 1982
- Participated in various Summer refresher Courses, at TIFR (1976), ASC (1989), ASC (1990), IED (1998)

Research:

- Worked on several research projects sanctioned by University Grants Commission, Delhi in Experimental Solid State Physics since 1977, code 7149 (1977-79), code 11104 (1980-82), code 2423 (1986-88), code 1/86 (1986-89)
- One year post-doctoral research experience under Prof.G.R.Wilkinson at Physics Department, King's College, London (1982-83)
- Four year research experience in exptal Solid State Physics and Materials Science under Prof.O.P.Agnihotri at Indian Institute of Technology, Delhi (1971-75)

Administrative:

- Coordinator,UGC's Optical Inst.Center, N.A.S.College, Meerut from 1995 to 2001.
- Building in charge, N.A.S. College, Meerut, from 1991 to 2000.
- Assistant Controller, CCS University, Meerut Evaluation center (1999, 98, 90, 84).
- Superintendent /Asstt Superintendent, CCS University examination at N.A.S College,Meerut, (1990 to 2012).
- College admission officer, N.A.S College,Meerut, since 1990.
- Care taker National Cadet Corp, N.A.S. College,Meerut, from 1984 to 86.
(Rank of Under Officer in N.C.C., as student, 'B' Certificate and ATC, 1967-69)

Foreign Countries Visited :

Country	Purpose	Duration
London, U.K.	Post-doctoral Fellow (King's College)	September 1982 to September 1983
Sophia, Bulgaria	XVI EUCOMOS	September 1983

Field of Specialisation :**Experimental Solid State Physics****Materials Science****Crystal Growth****Optical & Laser Raman Spectroscopy****Layered Semiconducting Chalcogenides Crystals****High Pressure & Low Temperature Techniques****Phase Transitions in Ice**

Published **Twenty Seven** research papers in joint and single authorships. Out of these **Seventeen** are in internationally highly reputed journals like J.Raman Spectros.(UK) ,Solid State Communications(UK), J.Applied Physics(USA), Physica Status Solidi (Berlin), J.Mol.Structure, Physica B (Amsterdam), J. Phys Chem Solids and J.Phys.C.(UK). The work has been cited in many research papers, review articles and reference books.

National,International Conferences/Seminars/Workshops Participation:

- “International Symposium on Advances in Physics”
N.A.S. College, Meerut, 25 February, 2006.
- “Training Programme on System design, Operation, Maintenance and Repair of Solar Photovoltaic Systems”

N.A.S. College ,Meerut, 2-6 February, 2006.
- “National Conference on Lasers and Spectroscopy”
Meerut College, Meerut, 25-28 February 2003.
- “Electronics & Information Technology Exposition – 2002”
Ministry of Information Technology, New Delhi, 29-30 April, 2002.
- “National Conference on Lasers and Spectroscopy”
N.A.S. College, Meerut, 28-31 December, 2001.
- “Electronics & Information Technology Exposition – 2001”
Ministry of Information Technology, New Delhi, 5-6 February, 2001.
- “International Conference on Advance Materials”
C.C.S. University, Meerut, 26-28, December 2000.

- “National Conference on Lasers and Spectroscopy”
Meerut College, Meerut, 25-28 February, 1999.
- “Faculty Development Programme” sponsored by Dept. of Science & Technology
Institute of Entrepreneurship Development, (U.P. Govt.), R.G.College, Meerut,
December 1997 – January 1998.
- “Recent Advances in Semiconductors”
National Conference, I.I.T. Delhi, June 1995.
- “Workshop of U.P. Board Paper Setters”
Bhimtal (U.P.), June 1993.
- “Sixty First Annual Session, The National Academy of Science, India”
Meerut University, Meerut, December 1991.
- “Solid State Physics”
Refresher Course, Academic Staff College, Univ. of Rajasthan, Jaipur,
February 1990.
- “Course on Microprocessor and its Application”
Department of Electronics, Govt. of India, Delhi, September 1989.
- “Condensed Matter Physics”
Refresher Course, Academic Staff College, Univ. of Rajasthan, Jaipur,
March-April 1989.
- “Third National Seminar on Crystal Growth”
Anna University, Madras, February 1987.
- “Solid State Physics Symposium”
(Department of Atomic Energy), G.B.P. University, Pantnagar, December 1986.
- “State Physics Symposium”
Department of Atomic Energy, B.A.R.C., Bombay, December 1984.
- “IX International Conference on Raman Spectroscopy”
Tokyo, Japan, August-September 1984.
- “XVI European Congress on Molecular Spectroscopy”
Sofia, Bulgaria, September 1983.
- “Conference on Solid State Physics”
(Institute of Physics), **Belford College, London**, December 1982.
- “100th meeting on Infrared and Raman Discussion Group”
King’s College, London, December 1982.
- “Silver Jubilee Physics Symposium”

Department of Atomic Energy, B.A.R.C., Bombay, January 1982.

- “Physics of Semiconductor Devices”
International Workshop, Solid State Physics Laboratory, Delhi, November 1981.
- “Nuclear Physics and Solid State Physics Symposium”
(Department of Atomic Energy), I.I.T., Delhi, December 1980.
- “Mathematical Methods and Classical Physics”
U.G.C. Summer Institute, T.I.F.R., Bombay, May-June 1976.
- “Defects in Non-Metallic Solids”
Indo-German Conference, I.I.T., Madras, February 1974.