




Shivaji College Faculty Details Proforma

Title		First Name		Last Name		Photograph
Dr.		ASHOK KUMAR		SHUKLA		
Designation	Associate Professor					
Address	AG-247, Shalimar Bagh, Delhi-110088					
Office Phone No.						
Residence						
Mobile						
Email	ashokshukl22@gmail.com					
Web-Page						
Educational Qualifications						
Degree	University/Institute				Year	
Ph.D.	University of Delhi					
M.Phil./M.Tech.	University of Delhi					
PG	University of Delhi					
UG	University of Delhi					
Any Other Qualification						
Career Profile						
<p>To work a challenging and dynamic environment to keep adding value to myself and simultaneously contribute to the growth and success of the organization or institute.</p>						

Administrative Assignments

- Teacher-in-charge, Deptt. Of Physics Shivaji College from 1991-92 & 2004-05.
- Convener and member of different committee's setup by staff council from time to time.
- Founder Member: Semi Conductor Society of India.
- Ex-Executive Member: Indian Physics Association Delhi Chapter.
- Executive Member of Organizing Committee for many Conferences.
- Chairman: Rural Science Educational Society.
- Convener: Physics Society Shivaji College
- Bursar: Shivaji College 2007-13.

Areas of Interest/Specialisation

Electron Transport Phenomenon in polycrystalline Semiconductors.

Subjects Taught

- Mathematical Physics
- Mechanics
- Electricity and Magnetism
- Electromagnetic theory
- Thermal Physics
- Statistical Mechanics
- Waves and Optics
- Superconductivity
- Solid state Physics
- Quantum mechanics
- Atomic and Molecular physics
- Nuclear physics

Innovation Project/Research Projects (Major Grants/Research Collaboration)

Publications Profile (Research Papers/Books)

LIST OF PUBLICATIONS AND OTHER ACADEMIC ACTIVITIES

- Effect of Temperature on the Electrical transport properties of P-type polycrystalline InSb.
P.C. Mathur, A.K. Shukla R.P. Sharma and P.K. Shukla, P.K. Goyal, J. Electronic Materials 12, 483 (1983).
- Hopping conduction in polycrystalline semi conductors.
R.P. Sharma, A.K. Shukla, A.K. Kapoor, R. Srivastava and P.C. Mathur, J. Appl. Phys. 51, 2026 (1985).
- Low Temperature conduction in solar grade polycrystalline semi conductors.
A.K. Shukla, R.P. Sharma, A.K. Kapoor and P.C. Mathur, International Conference on Physics and Energy for development, Jan, 26-29, 1985. Dhaka-Bangla Desh.
- Effect of hydrogen annealing on the conduction mechanism in polycrystalline CdTe.
R.P. Sharma, A.K. Shukla, O.P. Sharma and P.C. Mathur, International Conference on II-VI Compounds, March 4-8, 1985. Aussois-France.
- Electrical Transport Properties of PbSe.
A.K. Kapoor, S.Kaul, A.K. Shukla, R.P. Sharma, R. Malhan, T. Nath and P.C. Mathur, International Conference on the physics and Technology of compensated semi-conductors feb. 20-22, 1985, I.I.T. Madras.
- Thermoelectric Power of Polycrystalline InSb.
A.K. Shukla, R.P. Sharma and P.C. Mathur, National Conf. on Physics of Semi conductors and Devices, I.I.T. Madras, Jan, 1984.
- Investigation of the conduction Mechanism in P-Type polycrystalline CdTe.
A.K. Shukla, O.P. Sharma, A.K. Kapoor and P.C. Mathur, IV National Seminar on Physics of Semi-Conductor and Devices, Jan, 16-19, 1985 Jaipur.
- Participated in workshop on "Education and Research in Electronics" held at Indian National Science Academy, New Delhi, from October 14-16, 1982.

Conference/Seminar/Faculty Development Programme/Workshop

- As convenor of Physics Society in Shivaji College, organised an Inter College debate competition on “ Solar Energy is the ultimate solution to the Energy Crisis of the world” in Association with Deptt. Of Non-conventional Energy sources (Ministry of Energy, Govt. of India) at Shivaji College on 2th February, 1985. A seminar on “Physics Education” is proposed to be held in Nov. 2005.
- Participated in national seminar on Interaction between Research in Universities and Industries held at Vigyan Bhawan, New Delhi from July 9-11, 1986 organised by University of Delhi and sponsored by UGC, DST, DOE Govt. of India. (Also member of the organizing committee.
- Participated in ‘VI National Seminar on Semi conductor and Devices’ held at IACS Calcutta from Dec. 10-12, 1986.
- Participated in ‘International conference and Intensive tutorial Course on Semiconductor Materials’ held at Taj Palace Hotel, New Delhi From December 8-16, 1988.
- Participated in “2nd International Conference and Intensive Tutorial Course on Semiconductor Materials” held at University of Delhi, South Campus from Dec. 14-19, 1992.
- Participated in Seminar “ convention on Examination reforms organised by DUTA on 6-2-1993 at University of Delhi.
- Participated in “Regional Work shop on Low Dimensional Semi conductor structures” held at University of Delhi, South Campus, N. Delhi on 18th Dec. 1995 organised by Semi conductor Society (India).
- Participated in “ 3rd International conference and Intensive Tutorial Course on Semi Conductor Materials and Technology held at Deptt. Of Electronic Science, University of Delhi South Campus, New Delhi from Dec. 16-21, 1996.

- Attended 84th Indian Science Congress with Focal Theme “Frontiers in Science and Engineering and Their Relevance to National Development” hosted by University of Delhi in 1997.
- Participated in “ International Conference on Physics Education ICPE-2005 with focal theme “world view on physics Education in 2005, Focussing on change” held at Vigyan Bhawan, New Delhi from 21-26 August 2005.
- As convener of the physics society Shivaji College, organized a debate and Quiz competition in Oct., 2005
- Participated in 2nd International Conference on Current Developments in Atomic, Molecular & Optical Physics (CDAMOP) held at Delhi University from March 21-23, 2006

- Participated in one day workshop on **Astrophysics cosmology and Computation** organized by department of Physics Shivaji College on 12th February 2016.
- Participated in one day workshop organized by department of Physics Shivaji College on 31st January 2017.
- Organizing committee member of National Conference on Current and Future Perspectives in Nanotechnology “ **Nanoworld-2018**” organized by Department of Physics Shivaji College (**University of Delhi**).
- Participated as an Organizer of annual departmental fest INVENIO two days held at Shivaji College University of Delhi on 30 and 31 March, 2017.
- As a resource person in inspire science camp held from 13.12.2015 to 19.12.2015 at Shivaji College , conducted by Department of Science and Technology **DST**.

Research Guidance (Supervision of Doctoral Thesis/Dissertations)

Awards and Distinctions

- Scientist ‘B’ at University of Delhi.
- Visited France and England in 1985 to participate and present research paper in International conference.
- Visited Dhaka, Bangladesh in 1989 to participate and present research paper in International conference

Memberships
Other Academic Activities
Cultural/Extracurricular Activities

Signature of Faculty Member