

Personal Profile



NAME	AJAY KUMAR SHARMA
ADDRESS with Email	Department of Physics, B.C.College,Asansol, Pin-713304 Email- ajay888sharma@yahoo.co.in
Highest qualification	M.Sc, Ph.D (Pursuing)
TEACHING EXPERIENCE	02 Years - 13.05.2017 to Present, at B.C.College, Asansol, as Permanent Assistant Professor (U.G,Physics).
TOPICS TAUGHT	Mechanics, Electricity and Magnetism, Thermal Physics, Electromagnetic Theory, Classical Dynamics, Quantum Mechanics.
RESEARCH EXPERIENCE	04 Years and above.
REASEARCH AREA	Properties of Semi-conducting materials, Properties and uses of Ternary Chalcopyrite etc.
Award and Recognition (if any)	Got “PARYAVARAN DRONACHARYA AWARD” by The Indian Centre For Wildlife and Environmental Studies in South Asian Region (ICWESSAR) in the year 2015.
Membership (if any)	1. Member of IAPT (Indian Association of Physics Teachers). 2. Member of IEI (Institution of Engineers, India)
Other activity (if any)	1. Editorial Team Member of the journal “International Journal of Research and Review (ISSN: 2349-9788)”. 2. Editorial Board Member of the journal “Journal for Innovative Development in Pharmaceutical and Technical Science (ISSN: 2581-6934)”. 3. Editorial Board Member of the journal “International Journal of Research in Engineering, Science, Management (ISSN:-2581-5792)”. 4. Editorial Board Member of the journal “International Journal of Scientific & Engineering Research -IJSER (ISSN 2229-5518)”.
List of Publications (chronological order-latest to oldest) (books, book chapters, journal and conference publications)	Journal Publications: 1. AK Sharma “Determination of Debye Temperature and Debye-Waller Factor of $A^I B^{III} C_2^{VI}$ & $A^{II} B^{IV} C_2^V$ Type Chalcopyrite Semi-Conductors”, June 2019, IJIRT, Volume 6 Issue 1(212-215), ISSN: 2349-6002. 2. AK Sharma , S Prasad, SK Gorai, “RELATION OF LATTICE ENERGY WITH ELECTRONEGATIVITY AND PRINCIPAL QUANTUM NUMBER FOR TERNARY CHALCOPYRITE SEMI-CONDUCTOR” IJCIRAS, March 2019, Volume- 1 (10), 37-41 (ISSN NO-2581-5334). 3. AK Sharma , S Prasad, SK Gorai, “An Empirical Relation for the

Calculation of Ionicity of Ternary Chalcopyrite Semi-Conductors” INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY, January 2019, Volume- 5 (8), 137-139 (ISSN NO-2349-6002).

4. **AK Sharma**, “An Empirical Relation Showing the Variation of Refractive Index With Energy Gap for $A^I B^{III} C_2^{VI}$ & $A^{II} B^{IV} C_2^V$ Type Ternary Chalcopyrite Semiconductors” INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY, September 2018, Volume- 5 (4), 85-88 (ISSN NO-2349-6002).
5. **AK Sharma**, “An Empirical Refractive Index Model of $A^I B^{III} C_2^{VI}$ & $A^{II} B^{IV} C_2^V$ Type Ternary Chalcopyrite Semiconductors” INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY, September 2018, Volume- 5 (4), 150-153 (ISSN NO-2349-6002).
6. **AK Sharma**, “AN EMPIRICAL MICRO-HARDNESS MODEL OF $A^I B^{III} C_2^{VI}$ & $A^{II} B^{IV} C_2^V$ TYPE TERNARY CHALCOPYRITE SEMICONDUTORS” Journal of Applied Science and Computations, July 2018, Volume-5 (7), 165-170, (ISSN NO-1076-5131) (UGC Approved).
7. **AK Sharma**, “An Empirical Relation for Calculation of Plasmon Energy of Ternary-Chalcopyrite Semi-conductors” International Journal for Research in Applied Science & Engineering Technology (IJRASET), April 2018, Volume-6, Issue-IV, 981-984 (ISSN NO-2321-9653) (UGC Approved).
8. SK Gorai, G Parida, **AK Sharma**, “AN EMPIRICAL BULK MODULUS MODEL OF TERNARY CHALCOPYRITE STRUCTURE SOLIDS” RASAYAN JOURNAL OF CHEMISTRY, July-September 2017, Volume- 10 (3), 751-758 (ISSN NO-0974-1496) (UGC Approved).

Conference Publications:

1. **AK Sharma**,” Determination of Debye Temperature and Debye-Waller Factor of $A^I B^{III} C_2^{VI}$ & $A^{II} B^{IV} C_2^V$ Type Chalcopyrite Semi-Conductors” National Seminar On Recent Trends in Physics (NSRTP-2019), Department of Physics, Bidhan Chandra College, Asansol, 713304, India, January 19, 2019 (Abstract Only).
2. **AK Sharma**, “ A STUDY ON THE EFFECT OF DEMONETISATION ON VARIOUS SECTORS OF ECONOMY” State Level Seminar on Demonetization Issues and Concern, Department of Economics, Bidhan Chandra College, Asansol, 713304, India, February 6 19, 2019 (Abstract Only).