

A brief Resume:

•	Name:	Prof. B. Indrajit Sharma	
•	Birth Date:	01 February, 1973	
•	Academic:		
	Examination	Name of the University	Year
	B.Sc . (Phys. Hons)	Manipur University, Manipur	1993-94
	M.Sc. (Physics)	Jamia Millia Islamia University, New Delhi	1996
	Ph. D. (Physics)	Indian Institute of Technology, Guwahati (IITG)	2003
•	Awards and Honors:	<p>JRF (CSIR), 1997 June.</p> <p>Dr. K.S. Krishnan Research Associate Fellowship (KSKRA-2003), DAE Govt. of India.</p>	
•	Post-doctoral:	<p>Post doc in BARC Trombay, Mumbai in Technical Physics and Prototype Engineering Division (TPPED) 2003-2004.</p>	
•	Main field of specialization and Research interest:	<p>Condensed Matter Physics ; Density Functional Theory (DFT); Electronic structure calculation</p>	
•	Employment:	<p><i>Present Position</i></p> <p>Professor, Department of Physics, Assam University Silchar.</p>	
•	Details of appointment/promotion etc.:	<p>Lecturer, Department of Physics, Assam University Silchar (2004, April).</p> <p>Lecture, Senior scale (2008, April).</p> <p>Reader, Department of Physics (March, 2010)</p> <p>Associate Professor, Department of Physics (March, 2013)</p> <p>Professor, Department of Physics (March, 2016 - till date)</p>	
•	Teaching Experience:	<p>16 years + M.Sc. Courses; Ph.D/M.Phil Course work Courses.</p>	
•	Administrative Experience:	<p>HOD;</p> <p>Chairman: BPGS, BUGS, Purchase committee</p> <p>Member:</p> <p>School Board, BRS, Academic Council etc.</p>	
•	Research Project Undertaken:	<p>DST FAST TRACK Project SR/FTP/PS-33/2006 “Electronic structure Calculation of Transition Metal Carbides and Nitrites using wien2k code” for 3 years (2008-2011).</p>	
•	Ph.D and M.Phil Students Awarded under My Supervision/Co-Supervision:	<p>12</p> <p>Ph.D- 9 (4-Supervisor and 5-Co-Supervisor); M.Phil-3</p>	

<ul style="list-style-type: none"> Books Published (as Author): DENSITY FUNCTIONAL THEORY (DFT): BASICS AND APPLICATIONS Author: Prof. B. Indrajit Sharma, Department of Physics, Assam University Silchar. Asia Press, Kolkata @ October, 2020 ISBN: 978-93-90238-42-2.
<ul style="list-style-type: none"> Published papers in Refereed Journals (SCI/SCOPUS/Web of Science): in last 5 years

1.	First principle studies of rubidium lead halides towards photovoltaic Application, <i>Materials Today Communications</i> , 24(2020) 101190 (1-9). Anupriya Nyayban, Subhasis Panda, Avijit Chowdhury, <i>B. Indrajit Sharma</i>
2.	Temperature dependent characteristics of SrAl ₂ O ₄ :Dy ³⁺ phosphor, <i>Journal of Optoelectronic and Biomedical Materials</i> , 12(3) (2020) 51-59. Sujata Tongbram, S. Dorendrajit Singh, Binita Tongbram and <i>B. Indrajit Sharma</i>
3.	Synthesis and Structural, Optical, Photoluminescence and Electronic Structure Studies of SrAl ₂ O ₄ Phosphor, <i>Asian Journal of Chemistry</i> , 32(2) (2020) 420-426 Sujata Tongbram, S. Dorendrajit Singh, Binita Tongbram and <i>B. Indrajit Sharma</i>
4.	Pressure-induced structural phase transition and electronic structure of In _{1-x} Ga _x P alloys: a DFT study, <i>Turkish Journal of Physics</i> , 43(2019) 127-137. Kabita Khoirm, <i>B. Indrajit Sharma</i> , Brojen Singh and Ramkumar Thapa.
5.	Structural, compositional and optical properties of pva-capped nanocrystalline CdSe thin films prepared by chemical bath deposition, <i>Chalcogenide Letters</i> , 15(12) (2018) 639-648. S. R. Devi, S. S. Nath, <i>B. I. Sharma</i> , R. K. London.
6.	Vibrational IR Spectra of Solid Carbon Monoxide, <i>Ukrainian Journal of Physics</i> , 62(2) (2017) 146-151. M. D. Choudhury, R. Sen, <i>B.I. Sharma</i> .
7.	Vibrational IR active frequency of C ₃₆ : An algebraic approach, <i>Ukrainian Journal of Physics</i> , 62(8) (2017) 661-665. M. D. Choudhury, R. Sen, <i>B.I. Sharma</i> .
8.	A theoretical study on the B3 phases of ZnSe: Structural and electronic properties, <i>Pramana -Journal of Physics</i> , 89 (2017) 13(1- 4). Kh. Kabita' <i>B. Indrajit Sharma</i> .
9.	A Comparative Study on ZnS and CdS Quantum Dots Prepared Through Chemical Method, <i>International Journal of NanoScience and Nanotechnology</i> , 8(1) (2017) 73-82. Ajoy Roy, <i>B.Indrajit Sharma</i> , Siddhartha Sankar Nath
10.	A detailed first principle study on the structural, elastic, and electronic properties of indium arsenide (InAs) under induced pressure, <i>Can. J. Phys.</i> 94 (2016) 254–261, Kh. Kabita, Jameson Maibam, <i>B. Indrajit Sharma</i> , R. K. Brojen Singh and R. K. Thapa.
11.	First principles phase transition, elastic properties and electronic structure calculations of Cadmium Telluride (CdTe) under induced pressure: Density functional theory LDA, GGA and modified Becke Johnson potential, <i>Mater. Res. Express</i> , 3 (2016)015901(1-11). Kh. Kabita, Jameson Maibam, <i>B. Indrajit Sharma</i> , R. K. Brojen Singh and R. K. Thapa.
12.	First principles study on structural, phase transition and electronic structure of Zinc Sulphide (ZnS) within LDA,GGA and mbj potential, <i>Journal of Physics: Conference Series</i> , 759 (2016)012029 (1-6). Kh. Kabita and <i>B. Indrajit Sharma</i> .
13.	Basic concepts of Density Functional Theory: Electronic structure calculation, <i>Journal of Physics: Conference Series</i> , 765 (2016) 012004 (1-4). <i>B. Indrajit Sharma</i> and R.K. Thapa.
14.	First principle study on pressure-induced electronic structure and elastic properties of indium phosphide (InP), <i>Indian J. of Physics</i> , 89(12) (2015) 1265-1271. Kh. Kabita, J. Maibam, <i>B. I. Sharma</i> , R. K. Thapa and R. K. Brojen Singh.
15.	Elastic Properties and Electronic Structures of Pressure Induced Zinc Sulphide (ZnS): A Density Functional Theory Study, <i>Advanced Science Letters</i> , 21(2015) 2906-2910. Kh. Kabita, Jameson Maibam, <i>B. Indrajit Sharma</i> , R. K. Thapa, and R. K. Brojen Singh.