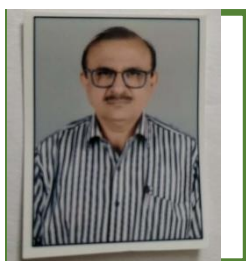


## CURRICULAM VITAE



### PERSONAL INFORMATION

**NAME** : Dr.A.B.Sharma  
**DESIGNATION** : Associate Professor  
**DATE OF BIRTH** : 02/08/1964  
**Date of appointment** : 24/02/1986  
**Email** : absk164@gmail.com  
**Mobile No.** :9730693753

### EDUCATIONAL QUALIFICATION

Qualification	Discipline	Name of Univ./Inst.	Year	Marks %	Division
HSSC	SPL ENG, GEN HINDI, PHY, CHE, MATHS	Board of Sec Education Bhopal,(M.P.)	1980	66.16	First
B.Sc.	ENG,PHY,CHE,MATHS	Dr HS Gour V V, SAGAR	1983	63.11	First
M.Sc.	PHYSICS	Dr HS Gour V V, SAGAR	1985	61.83	First
M.Phil.	PHYSICS	Barkatullah VV, Bhopal	1993	84.75	First
Ph.D.	Synthesis and Characterization of II-VI Nano crystalline Films	Barkatullah VV, Bhopal	2008	Awarded	

### WORK EXPERIENCE

- i) Full Time: 31 Years
- ii) Part Time: 6 months
- iii) Any Other experience other than teaching:

**Deputy Secretary: "National Council for Teacher Education" ,Govt. of India, New-Delhi**  
**From 01/02/2010 to 31/3/2013**

## RESEARCH PROJECTS

Got sanctioned for Rs 10 lacks UGC support for Major Research Project in Physical Science to University/ College teachers vide letter no. F.No 38-152 | 2009 (SR) dated 21-Dec 2009

### **“Synthesis of Organized Nano Crystalline Compound Semiconductors via Chemical route”**

The project could not be executed because of my deputation as Deputy Secretary at NCTE, New-Delhi from 1<sup>st</sup> Feb 2010 to 31<sup>st</sup> Mar 2013.

## PAPERS PUBLISHED/PRESENTED IN JOURNAL/ CONFERNCES

### **International Research Journals:**

**“ Impigement of Co substitution on Structural, Dielectric and Magnetic Behavior of NiZn mixed Nano Ferrites”;** D.S.Badwaik, B.R. Balbudhe,G.D.Kale,S.R.Daf, S.M.Suryawanshi and A.B. Sharma; A C Journal, Vol IX, Issue V. May 2020, ISSN No: 2231-3990

**“Effect of Cd substitution on structural and dielectric behavior of NiZn mixed nano ferrites”**  
D.S.Badwaik, S.P.Dongare, U.B.Mahatme, **A.B.Sharma**; Indian Association of Solid State Chemists and Allied Scientists, Jammu ISBN 81-86067-35-3

**“Optical and Morphological properties of Sol- Gel derived Titanium dioxides films”**  
**A B Sharma**, S.K.Sharma, Vishwas M and K. Narasimha Rao;AIP Conf. Proc.1675, 020011 (2015)

**“Fabrication of a Polyaniline/ CdSe nanocomposite film light-emitting device by the Chemical Route”** S K Sharma, **A B Sharma**, M Sharma, D Sreekantha Reddy, and R K Pandey; Journal of Nano Engineerings and Nanosystems Proc.I Mech E Vol. 223 Part N, 2012

**“Synthesis, Properties and Potential Applications of Semiconductor Quantum Particles”**  
**A B Sharma**, M Sharma and R K Pandey; Asian Journal of Chemistry Vol.21, No. 10, Oct 2009, S033–S038

**“Structural and Optical investigations of Semiconductor CdSe/CdS core-shell Quantum Dot Thin Films”;** **A B Sharma**, S K Sharma, M Sharma, R K Pandey and D S Reddy; Journal of Molecular and Bimolecular Spectroscopy Vol 72, 2009, 285-290

**“Self- Organized ZnSe Quantum Dots: Synthesis and Characterization”**  
Diksha Kaushik, R R Singh, **A B Sharma**, D Gupta, M Sharma and R K Pandey; Journal of Nanoscience and Nanotechnology Vol 8, No. 3, 2008, 1502-1511

**“Self- Organized CdS Quantum Dots: Synthesis and Characterization”**  
D Kaushik, M Sharma, **A B Sharma** and R K Pandey; Journal of Nanoscience and Nanotechnology Vol 8, 2008, 4303-08

**“Highly Luminescent Inverted ZnS/CdS Core/Shell Quantum Dots”**  
M Sharma, D Gupta, D Kaushik, **A B Sharma** and R K Pandey ; Journal of Nanoscience and Nanotechnology Vol 8, 2008, No. 9, 1-6

**“Deposition and characteristics investigations of Nano Carbons deposited by Electrochemical route”**  
S K Sharma, R K Pandey, M Sharma, **A B Sharma**, K Narsimha Rao, S Mohan, D Sreekantha Reddy;  
Journal of Optoelectronics and Advanced Materials Vol. 10, No. 2, Feb.2008, 442– 445

### **Research Papers Published in Conferences, Seminars and Workshops:**

**“Effect of Cd Substitution on Structural and Dielectric Behavior of NiZn Mixed Ferrites”**  
D.S. Badwaik, S.P. Dongre, U.B. Mahatme, **A.B. Sharma**; International Conference of Multifunctional Advanced Materials at Kamla Nehru and Dharampeth Science College, Nagpur on 5-7 Oct 2018

**“Optical transitions and photo- luminescence studies of Q- CdSe thin films”**  
**A B Sharma**; National Conference on Luminescence and its applications at Department of Physics, RTMNU, Nagpur on 18-20 Feb 2016

**“Optical transitions in Self- Organized CdSe Quantum Dots Thin Films”**  
**A B Sharma**; National Conference on Nanoscience for Sustainable Development at Dr. Ambedkar College, Nagpur on 23<sup>rd</sup> Feb 2015

**“Morphological Properties of Sol Gel derived Titanium dioxide Films”**  
**A B Sharma**, S.K.Sharma, Vishwas M and K. Narasimha Rao; National Conference on Advanced Materials, Nabira Mahavidyalaya, Katol on 1<sup>st</sup> Mar 2014 (ISBN 9789381432709)

**“Synthesis, Properties and Potential Applications of Semiconductor Quantum Particles”**  
**A B Sharma**, M Sharma, and R K Pandey “National Conference on Recent Materials and Radiation Physics”, SLIET, Longowal on 9<sup>th</sup> and 10<sup>th</sup> Mar 2009

**“Optical and Structural Studies of PANI/ CdSe Quantum Dot Nano- Composite Films”**  
**A B Sharma**, S K Sharma, R K Pandey, M Sharma, K Narsimha Rao, S Mohan “National Conference on Advancement in Electronics and Communication Technology”, 2<sup>nd</sup> and 3<sup>rd</sup> Dec 2007 at Bhopal.

**“Studies on CdSe Quantum Dot Thin Films”**,  
**A B Sharma**, M Sharma, D Kaushik and R K Pandey; 2<sup>nd</sup> National Conference on Codensed Matter and Material Physics, at Rajasthan University, Jaipur 1– 3 Feb 2007

**“Size tunable CdSe Quantum Dots”**  
**A B Sharma**, M Sharma, D Kaushik and R K Pandey; Proceedings of “National Conference on Physics of Nanostructure and Bio molecules”, (22<sup>nd</sup> – 24<sup>th</sup> Jan. 2007), Varodara.

**“Studies on ZnSe Q-dot/PANI Nanocomposites Film”**  
D Kaushik, M Sharma, **A B Sharma** and R K Pandey, proceedings of “DAE SSP Symposium”, (2006) page 293.

**“Synthesis and Characterization of Zn<sub>x</sub> Cd<sub>1-x</sub>Se Nanocrystalline Films”**  
**A B Sharma**, Javed Mazhar and R K Pandey, Proceedings of “National Conference on Science and Technology of Low Dimensional Systems and Devices”, at Katol (18-19 Dec. 2004) page 27.

### **Participated in Conferences, Seminars and Workshops:**

Participated in National Conference on “Recent Trends in Mathematical Modeling, Simulation Methods, Computations and Physical Sciences”, at Hislop College, Nagpur on 11 Mar 2019

Participated in International Conference on “Redefining Environmental Governance for Smart City”, PGTD,RTM Nagpur University, Nagpur held on 2 Mar 2019

Participated in National Symposium on “Application of Forensic Sciences, Cyber Security & Forensic Accounting for Prevention and Investigation of Crime” organized by Gujrat Forensic Science University at Kamla Nehru MV, Nagpur on 28 Mar 2018

Participated in National Conference on “Revised Methods of Assessment and Accreditation for Colleges”, at Bhawabhuti MV, Amgaon on 24 Feb 2018

Participated in National Conference on “Academic Innovations and Administrative Reforms to Meet Global Challenges in Higher Education”, by Smt Binzani Mahila MV, Nagpur on 6 Oct 2015

**Delivered Invited talk on “Recent Development of Teacher Training Related Policies” in a workshop organized by Save the Child, IOE, University of London at Gandhi Nagar held on 29-31, Oct 2012**

**Chaired a technical Session in a National Workshop organized by IETE and BUITS Bhopal on “Advances in Wired and Wireless Communication” held on 26-27 Apr 2008 at BUITS, Bhopal**

**Presented** a paper in National Conference on Advanced Materials and Radiation Physics, at Sant Longowal Institute of Engineering and Technology, Sangrur, Punjab on 9 -10, Mar 2009.

**Presented** a paper in 2<sup>nd</sup> National Conference on Condensed Matter and Material Physics, at Rajasthan University, Jaipur from 1 – 3, Feb 2007.

**Presented** a paper in National Conference on Physics of Nanostructure and Bio- molecules”, (22–24 Jan.,2007), Varodara.

**Organized as Convenor a National level Seminar on “Low Dimensional Systems and Devices” at Nabira College, Katol on 18- 19, Dec 2004.**

Participated in international workshop on Physics of materials at Barkatullah V.V, Bhopal 22- 31 Jan 1990

## REFRESHERS/ ORIENTATIONS/INDUCTION/ SHORT TERM COURSE

### Academic Courses:

- Completed “Global Skills Enhancement Program” conducted by Infosys BPO at Nagpur from 1-13,Nov 2006
- Participated in State level Workshop organized by NAAC at Ratnagiri on 23- 24, Mar 2005
- Completed refresher course of N.S.S at Tata Institute of Social Science, Mumbai from 16-20 Oct2000
- Completed orientation course for teachers at Academic Staff College, Nagpur from 16<sup>th</sup> Mar to12<sup>th</sup> April 1989
- Completed refresher course of Electronics at Academic Staff College, Nagpur from 24<sup>th</sup> Oct to16<sup>th</sup> Nov 1998
- Completed refresher course of Electronics at Academic Staff College, Nagpur from 27<sup>th</sup> Jan to 19<sup>th</sup> Feb 1998
- Completed refresher course of N.S.S at Tata Institute of Social Science, Mumbai from 14- 19, Sept 1997
- Completed refresher course of N.S.S at Tata Institute of Social Science, Mumbai from 4- 8,July 1995
- Completed refresher course of Electronics at Academic Staff College, Devi Ahilya V.V. Indore in July 1990
- Completed orientation course of N.S.S at Tata Institute of Social Science, Mumbai from 3- 14, Dec.1990
- Completed orientation course for Electronics teachers at N.U., Nagpur from 11- 23, July 1988

### (Any Other Responsible work/ Contributions/Activity experience)

**MEMBER** : Board of Studies, Physics Board, Faculty of Science and Technology, RTMNU, Nagpur  
(November **2017** and Onwards)

**IQAC Coordinator:** From24/09/2016 to 18/6/2018

**HEAD** : Department of Physics (2013 and onwards)

**HEAD** : Department of Electronics (1986-1992,1993-2005,2007- JAN 2010)

**MEMBER** : Board of Studies, Electronics Board, Faculty of Science, Nagpur University, Nagpur  
(Oct.1990 – Aug.1994)

**Programme Officer:** N.S.S.(1990 -2001)