


Curriculum Vitae

Full Name	Dr. Subhash Chandra Bhatt	
Designation	Professor & Dean School of Sciences	
Department	Physics	
Campus	HNBGU Campus Srinagar Garhwal	
Address	Department of Physics H N B Garhwal University Campus Srinagar Garhwal Uttarakhand-246174	
Mobile	+91-9411369805	
Email	scbhattin@yahoo.com	

Educational Qualification- M.Sc.(Physics)-1982 -HNBGU, D.Phil.(Physics)-1989 -HNBGU

Carrier Profile-

Organization	Designation	Duration	Role
H N B Garhwal University	Professor	(27/7/2006-AGP-10,000/=) 10/06/2008(Date of Joining) to Till date	Teaching, Research, Guiding Ph D Students
H N B Garhwal University	Associate Professor	9/06/2001 to 26/07/2006	Teaching, Research, Guiding Ph D Students
H N B Garhwal University	Lecturer	2/5/1987 to 8/6/2001	Teaching, Research, Guiding Ph D Students

Teaching Experience- 35 years

Research Experience—38 years

Date of Birth –Dec.14, 1959

Research interests – Condensed Matter Physics/ Materials Science

Administrative and co curricular experience-

1. **Dean, School of Sciences, H N B Garhwal University-w.e.f. 01/03/2023-**
2. Assistant Dean Students welfare, H N B G U-2018 –Feb.2022
3. Head and Convener, Department of Physics, H N B Garhwal University, Srinagar Garhwal-w.e.f.16/01/2015 to 15/01/2018.
4. Dean, Students Welfare, H N B Garhwal University, w.e.f. – Jan.2013 toJan,20,2015
5. Deputy Dean, student Welfare, H N B Garhwal University, w.e.f. Sept.2011 to Dec.2012.
6. Warden Trishool P G Hostel, H N B Garhwal University, Srinagar Garhwal w.e.f. June,2009 to July,2010.

7. Assistant controller, H N B Garhwal University Examination (2009-10, Main Exam.)
8. Asstt. controller H N B Garhwal University Examination (2003-04 & 2004-05,exam)
9. Warden, Chaukhambha Hostel, H N B Garhwal Univ. Campus, Srinagar Garhwal, w.e.f. July 2003 to May,2009.
10. Deputy controller HNB Garhwal Univ. examination (2001).
11. Program Officer National Service Scheme Univ.Campus Srinagar-Sept.98 to Sept.2001.
12. Proctor S R T Campus Tehri- Aug.94 to Aug.95.
13. N.C.C.Officer (ANO) ,S R T Campus Tehri-Nov.90 to July 93

Membership of Scientific Organizations-

- 1.Indian Association for Crystal growth.
2. Life member of Indian Physics Association.
3. Life member of Indian Association of Physics teachers.
- 4.Ultrasonic Society of India.
- 5.Life member of Indian Association for Radiation Protection(LM-0803).
- 6.Life member of Nuclear track society of India.
- 7 Life member of Indian Society for ferro-fluid research
- 8.Life member of Acoustical Society of India

Journals Edited (Guest Editor)

**1.Applied Innovative Research, Vol. 2(1), September 2020.
National Institute of Science Communication and Information Resources
(CSIR-NISCAIR)**

**2.Applied Innovative Research, Vol. 2(3), September 2020.
National Institute of Science Communication and Information Resources
(CSIR-NISCAIR)**

**3.Journal of Mountain Research, 16 (2),Nov.2021
(Special Issue of ICRAMS-2021).
(International Conference on Recent Advances in Material Science-21)**

Books:

**1.Eye Safe Laser-Diode Pumped Nd:Yag Eye Safe Laser,
Kireet Semwal and S C Bhatt
Pub: LAMBERT Academic Publishing,
ISBN-978-3-8473-4874-0
July-2012**

**2.Recent Advances in Materials Science
Manish Uniyal, Shaurya Bhatt and S C Bhatt
ISBN. No.978-93-8816567-9 (2020).**

Research Supervision:

**Number of Ph.D. Degree Awarded under my supervision: 08+06 =14
Ph. D. degree awarded under my supervision after 2007- 06**

Registered for Ph. D. degree -02

National/International conference organized -

1. **Co Ordinator**- National Conference on recent Advances in Material Science” Oct.25-26, 2013,
2. **Convener**, International Conference on Aerosol, Air Quality and Climate Change, Oct.21-23, 2018
3. **Convener**, International Conference on Material Science and Applications, Nov.25-27, 2019
4. **Co Ordinator**-International Conference on Recent Advances in Material Science-21

Papers Published after 2007

1. Temperature dependence of dielectric properties of sodium potassium niobate ceramics
S.C.Bhatt, K. Singh, M. Uniyal, Om Prakash, Pankaj K Singh, R. Saxena & B.S. Semwal
Indian Journal of Pure & Applied Physics , Vol.45,609-612, July (2007). IF-0.923
2. Preparation and characterization of ceramic samples of Silver Sodium Niobate mixed system'
Om Prakash Nautiyal, S.C.Bhatt, R.P. Pant, A A Bourai, P K Singh, R Saxena and B.S. Semwal,
Indian Journal of Pure & Applied Physics, 47, 282-288 (2009). IF-0.923
3. Preparation and Characterization of ceramic samples of $Ag_{1-x}K_xNbO_3$
Om Prakash Nautiyal, S.C.Bhatt and B.S. Semwal
Indian Journal of Pure and Applied Physics, Vol.47, pp 719-724 (2009). IF-0.923
4. Investigations on the effect of preparation conditions on $AgNbO_3$ ceramics
O P Nautiyal, S C Bhatt and K S Bartwal
Journal of Alloys and compounds, Elsevier, 505, 168-171 (2010), IF-5.316
5. Dielectric properties of silver sodium niobate mixed ceramic system
Om Prakash Nautiyal, S.C.Bhatt, R.P. Pant & B.S. Semwal
Indian Journal of Pure and Applied Physics, 48(05), 357-362 (2010). IF-0.923
6. Dielectric and electrical properties of $K_{1-x}NaNbO_3$ system
Manish Uniyal & S C Bhatt
Indian Journal of Pure and Applied Physics, Vol.49, May 2011, pp 350-353. (2011), IF-0.923
7. Temperature dependence of width and soft mode frequency in sodium potassium tantalate mixed system
Manish Uniyal and S C Bhatt
Indian Journal of Pure and Applied Physics, Vol.50, Apr. 2012, pp 248-251. (2012), IF-0.923
8. Polarizability factor for $Na_{1-x}K_xTaO_3$
Manish Uniyal, S C Bhatt and R P Gairola

Indian Journal of Pure and Applied Physics, Vol.50(12),915-917,Dec.(2012), IF-0.923

9.Rheological study and applications of ferrofluids

O P Nautiyal and **S C Bhatt**

J.Magnetohydrodynamics,vol.49,No.3/4,484-488,(2013).IF-0.576

10.Ultrasonic study of ferrofluids

S C Bhatt and O P Nautiyal

J.Magnetohydrodynamics,vol.49,No.3/4,377-380,(2013).IF-0.576

11.Polarizability investigation by first order Phase Transition in the self consistent Phonon Approximation for PSN System

Manish Uniyal and **S C Bhatt**

Indian J of Pure and Applied Physics,vol.52,391-394(2014). IF-0.923

12.Molecular association studies on polyvinyl alcohol at different concentrations

Richa Saxena and **S C Bhatt**, Advances in Materials Science and engineering (2018)

Article ID1738612.

Advances in Materials Science and Engineering ,Hindawi,Volume 2018,

Article ID 1738612, <https://doi.org/10.1155/2018/1738612> (2018)

13.Preparation and Ultrasonic Study of Sodium Potassium Tantalate ($\text{Na}_{1-x}\text{K}_x\text{TaO}_3$) Mixed System

Manish Uniyal ,**S C Bhatt** and Sidharth Kashyap

Indian Journal of Pure and Applied Physics, Vol.57(03),212-216, March.(2019), IF-0.923

14.Dielectric Properties of Sodium Potassium Tantalate Mixed System

Manish Uniyal, **S C Bhatt** and Sidharth Kashyap

AIP Conference Proceeding,2142,040012, 29 August, 2019,IF-0.402

15.Investigation of Perovskite Phase, Morphology and Dielectric Properties of Lead Magnesium Niobate

Sidharth Kashyap, **S C Bhatt**, M.Uniyal and G S Kathait

AIP Conference Proceedings, Vol.2220(1),040039(2020).IF-0.402

16.Structural and Dielectric Properties of Lead Magnesium Niobate and Ti Doped Lead Magnesium Niobate at Room Temperature

Sidharth Kashyap, **S C Bhatt**, M.Uniyal and G S Kathait

Materials Today : Proceedings, Elsevier,28, 28-31(2020).IF-1.24

17.Aerosole Optical Depth and Angstrom Exponent Over Different Regions in Garhwal Himalaya, India

Amardeep, Chhavi Pant Pandey, Hemvati Nandan, Narendra Singh, Garima Yadav, P C Joshi, K Purohit and **S C Bhatt**

Environmental Monitoring and Assessment, Springer, 193(6), 324 (2021).IF-2.52

18. Investigation of Dielectric and Ferroelectric Properties of Titanium Doped AgNbO₃ Ceramic
Aditya Joshi, **S C Bhatt**, Manish Uniyal and S C Nautiyal

J Mountain Research, 16 (2),1-5, 2021. (Special Issue of ICRAMS-2021)-(2021).

Web of Science, Science citation index Expanded, UGC care list Group II

19. Ultrasonic Parameters of Some Ternary Liquid Mixture

H K Semwal, **S C Bhatt** and S C Nautiyal

J Mountain Research, 16 (2),35-38, 2021. (Special Issue of ICRAMS-2021)-(2021).

Web of Science, Science citation index Expanded, UGC care list Group II

20. Density, Viscosity and Ultrasonic Velocity of Polyethylene Glycol

Richa Saxena, **S C Bhatt**, Manish Uniyal and S C Nautiyal

J Mountain Research, 16 (2),71-77, 2021. (Special Issue of ICRAMS-2021)-(2021).

Web of Science, Science citation index Expanded, UGC care list Group II

21. Synthesis and Structural Study of Ferroelectric Material Lead Titanate (PbTiO₃)

Avantika Chauhan, Srishti Paliwal and **S C Bhatt**

J Mountain Research, 16 (2),79-82, (2021)

(Special Issue of ICRAMS-2021)-(2021).

Web of Science, Science citation index Expanded, UGC care list Group II

(International Conference on Recent Advances in Material Science-21)

22. Temperature Dependent Dielectric Properties of PB[(Mg^{1/3}NB^{2/3})_{1-X}TiX]O₃ for X=0.25,
Prepared by Solid State Reaction Method

S. Kashyap, **S C Bhatt**, Manish Uniyal, M I Khan, Pawan Singh, S C Nautiyal and G S Kathait

J Mountain Research, 16 (2),183-189, 2021.

(Special Issue of ICRAMS-2021)-(2021).

(International Conference on Recent Advances in Material Science-21)

Web of Science, Science citation index Expanded, UGC care list Group II

23. Acoustical Parameters of Polyvinyl Alcohol

Richa Saxena, **S C Bhatt**, Manish Uniyal and S C Nautiyal

J Mountain Research, 16 (2),221-227, 2021.

(Special Issue of ICRAMS-2021)-(2021).

(International Conference on Recent Advances in Material Science-21)

Web of Science, Science citation index Expanded, UGC care list Group II

24. Investigation of Dielectric Properties of Tantalum Doped AgNbO₃ Ceramic

A Joshi, **S C Bhatt**, M Uniyal and K Kumar

Journal of Physics, Conference series, 2070 (1), 012058, Nov.2021,IF-0.55

25. Investigation of Dielectric Properties and Ferroelectric Phase Transition in Lead Free
AgNbO₃

A Joshi and **S C Bhatt**,

Materials Today : Proceedings, Elsevier,22/08/ Aug.2021,IF-1.24

26. Structural and dielectric properties of 0.75PMN-0.25PT relaxor ferroelectrics with different frequencies at room temperature

Sidharth Kashyapa *, S C Bhatta , Manish Uniyala & Gambheer Singh Kathaitb

Applied Innovative Research, Vol. 2(1), September 2020, pp. 18-21(2020).
National Institute of Science Communication and Information Resources
(CSIR-NISCAIR)

27. Density, viscosity and ultrasonic study of polymethylmethacrylate

Richa Saxena a *, S C Bhattb , Manish Uniyalb & S C Nautiyalc

Applied Innovative Research, Vol. 2(1), September 2020, pp. 36-38(2020).
National Institute of Science Communication and Information Resources
(CSIR-NISCAIR)

28. Ultrasonic study of polyvinyl butyral

Pankaj K Singha *, S C Bhattb , Manish Uniyalb , Aditya Joshib & S C

Applied Innovative Research, Vol. 2(1), September 2020, pp. 44-47(2020).
National Institute of Science Communication and Information Resources
(CSIR-NISCAIR)

29. Diode-pumped Nd:YAG eye-safe laser

Kireet Semwal* & S C Bhatt

Applied Innovative Research, Vol. 2(3), September 2020, pp. 181-183(2020).
National Institute of Science Communication and Information Resources
(CSIR-NISCAIR)

30. Study of sodium potassium tantalate mixed system

Manish Uniyal*, S C Bhatt, Sidharth Kashyap & Aditya Joshi

Applied Innovative Research, Vol. 2(3), September 2020, pp. 184-187(2020).
National Institute of Science Communication and Information Resources
(CSIR-NISCAIR)

31. Structural and frequency dependent dielectric properties of 0.90PMN-0.10PT ferroelectrics at room temperature

Sidharth Kashyap*, S C Bhatt , Manish Uniyal , G. S. Kathait, Savita Kashyap & Aditi

Applied Innovative Research, Vol. 2(3), September 2020, pp. 188-192(2020).
National Institute of Science Communication and Information Resources
(CSIR-NISCAIR)