

# Dr. Dushyant Pradeep

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## Curriculum Vitae

CIT-Educator, Content Creator  
(Created Content of Physics  
for DD Gyan Darshan),  
Researcher, Learner,  
Educator on UDEMY



### PERSONAL IDENTITY

Name : Dr. Dushyant Pradeep  
Sex : Male  
Place/DOB : Sunder Bani (Jammu)/ Aug31, 1986  
Religion : Hindu  
Marital Status : Married to Shashi Sharma(Teacher- JK School Education)  
Address : Village-Bhajwal(Doba), Teh. & P.O. Sunder Bani  
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### EDUCATIONAL BACKGROUND

- **2008-2012**                      **Ph.D. Physics (UGC Regulations-2016) - H.N.B.**  
Garhwal University, Srinagar Garhwal, Uttarakhand,  
India
- **2014- 2015**                      **B.Ed. (Percentage, 2<sup>nd</sup> Division)-** University of  
Jammu, Jammu
- **2006 - 2008**                      **M.Sc. Physics (Percentage 1<sup>st</sup> Division), H.N.B.**  
Garhwal University, Srinagar Garhwal,

Uttarakhand, India

- **2016- 2017** **D.C.A-Diploma in Comp Application(Grade-A)-**  
DOEACC/NCPUL
- **2003- 2006** **B.Sc. (Percentage, 1<sup>st</sup> Division)**  
Govt. MAM PG College, University of Jammu, Jammu
- **2002-2003** **12<sup>th</sup> (Percentage ,1<sup>st</sup> Division),** Govt. Higher Sec.  
School Sunder Bani, J&K State Board
- **2000-2001** **10<sup>th</sup> (Percentage,1<sup>st</sup> Division),** Govt. Higher Sec.  
School Sunder Bani, J&K State Board

**EXPERIENCE( Administrative and Academic –13Years- HSS, UG & PG)**

<b>SESSION</b>	<b>INSTITUTION</b>	<b>DESIGNATION</b>	<b>NATURE OF WORK</b>
<b>2020 (May)- Till Date</b>	Govt. BHSS Sunderbani,Department of School Education, UT of J&K	Content Creator for Physics, Educator & Lab Incharge	Teaching & Guidance
<b>2018(DEC)- 2021 (May)</b>	Govt. HS Bambliya, Department of School Education, UT of J&K	Educator & Lab Incharge	Teaching & Guidance
<b>2018(June)- 2018(Dec)</b>	Lakshya-An Institute of Education and Career Guidance	Executive Director	Teaching, Guidance, Career Counselling & Administrative.
<b>2017(Sep)- 2018 (June)</b>	Harsh Niketan Hr. Secondary School, Sunder Bani	Principal	Teaching, Guidance and Administrative.
<b>2016 (June)- 2017(Sep)</b>	Harsh Niketan Hr. Secondary School, Sunder Bani	Vice-Principal	Teaching, Guidance and Administrative.

<b>2015 (Aug)- 2016 (June)</b>	Himalayan Degree College, Rajouri (University of Jammu), J&K, India	Assistant Professor	Teaching, Guidance and Administrative.
<b>2014 (Dec)- 2015 (July)</b>	Delhi Public School, Jammu	PGT Physics	Teaching and Guidance
<b>2013 (Jan)– 2014 (Dec)</b>	Lovely Professional University, Jalandhar, India	Assistant Professor	Teaching, Guidance and Administrative.
<b>2011 Jan- 2012 Dec</b>	Model Institute of Engg. & Technology, University of Jammu	Lecturer	Teaching
<b>2010 (Sep – 2011 Jan)</b>	H.N.B. Garhwal University, Campus Pauri.	Guest Faculty	Teaching
<b>2008 (Sep- Dec) &amp; 2010 (May-Sep)</b>	Kendriya Vidyalaya Pauri	PGT Physics	Teaching
<b>2009-2010</b>	H.N.B. Garhwal University, Campus Pauri.	Research Scholar	Teaching
<b>2008-2009</b>	H.N.B. Garhwal University, Campus Pauri.	Research Scholar	Teaching

### **DEGREE OF DOCTORATE OF PHILOSOPHY (Physics)**

<b>Title</b>	Field Dependent Dielectric, Acoustical and Thermal Properties of $Ba_{1-x}Ca_xTiO_3$
<b>Major</b>	Condensed Matter Physics

## **RESEARCH EXPERIENCE ( 08Years)**

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*Actively engaged in research for the last six years in the field of Ferroelectric Perovskites & Nanomaterials.*

## **Certifications**

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- 1. Certification of CIT-Educator (Compassionate Integrity) from **Life University Georgia (2022)***
- 2. SEL certified from **UNESCO MGIEP (2020)***
- 3. Trained and certified on **Virtual Labs** by **CIET-NCERT/CDAC Mumbai***

## **RESEARCH ACTIVITIES**

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### **1. Reviewer**

**Reviewer** of the relevant scientific work submitted for publication in Advances in Materials (USA), International Journal of Material Science and Application (USA), Journal of Material Sciences; Journal of Electroceramics; International Journal of Multidisciplinary Educational Research; International Journal of Scientific Engineering and Technology; American Journal of Materials Science and Application (USA), American Journal of Physics and Applications (AJPA) and American Journal of Chemistry and Materials Science (USA).

### **2. Editorial Board**

- 1. Advances in Materials (USA)**
- 2. International Journal of Physics and Application (USA)**
- 3. Independent Journal of Management &**

Production (BRAZIL)

4. American Journal of Physics and Applications (AJPA)
5. South Asia Journal of Multidisciplinary Studies (Editorial Board)

### 3. Memberships

1. Global Forum for Teacher Educators (GFTE)
2. Indian Association of Physics Teachers (IAPT) 2022
3. Institute of Scholars (InSc)-2020
4. South Asia Journal of Multidisciplinary Studies
5. National Council of Teacher Scientists, (NCTS), INDIA
6. Vibha INDIA, Vijnana Bharati

### Conferences, WorkShops & Seminars (07)

- **27-31 Dec, 2021** Workshop on **Virtual Labs for teaching & Learning** by **CIET-NCERT/CDAC-Mumbai**
- **05 May, 2021** 2nd National Webinar on **Mathematics and Science in Indian Calendar** by DIET, Shimla Himachal Pradesh and National Children Maths Academy
- **07 Sep, 2009** Seminar on “*Intellectual Property and Innovation Management in Knowledge Era*” organized by **NRDC** in collaboration with **UCOST**
- **12-14 Sep, 2009** *National conference on Synthesis and Characterization*

*Smart Materials (SCSM-2009)* organized by Department of Physics, Bareilly College, Bareilly

- **14-16 Oct, 2010** *National Workshop on Advances in Instrumental Techniques* organized by Shri Shivaji Science College, Amravati in collaboration with ACT
- **19-20 May, 2011** National Conference on *Recent Trends in Materials & Devices RTMD-2011*, Organized by Amity Institute of Applied Sciences & Amity School of Engg. & Tech., Amity University
- **2-3<sup>rd</sup> Mar, 2012** *National Symposium on Interdisciplinary Sciences*, Organized by G.G.M. Science College, Jammu, in collaboration with UGC

#### **ADDITIONAL INFORMATION**

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- **Computer Skills** Microsoft office (Word, Power Point), Basics of C Language, Simulation and Mathematica (Computation).
- **Interest** Reading books, Watching TV and Travelling
- **Abilities and attitude** Ready to be a part of a hard working team, highly motivating, always ready to teach and learn, Disciplined and open-minded.

#### **RESEARCH GUIDANCE (M.Sc.)**

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- **PG 03**

## Publications & Research Papers (10) Communicated (01)

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- 1. Dushyant Pradeep** and U.C. Naithani; “The electric field and defect dependence of the Curie temperature in  $\text{Ba}_{1-x}\text{Ca}_x\text{TiO}_3$  ferroelectric perovskites”; International Journal of Petroleum Science and Technology; Vol 4 Number 1 (2010) , Pp.103-106; (2010).Print ISSN: 0973-6328. Online ISSN: 0974-4835
- 2. Dushyant Pradeep**, Ashok Kumar and U.C. Naithani; “Dependence of microwave losses in  $\text{Ba}_{1-x}\text{Ca}_x\text{TiO}_3$  perovskites on electric field” International Journal of Pure and Applied Physics; Vol. 06, No. 01, pp. 83-89, March (2010). Print ISSN 0973-1776
- 3. Dushyant Pradeep**, Ashok Kumar and U.C. Naithani; “Field dependent dielectric behaviour of  $\text{Ba}_{1-x}\text{Ca}_x\text{TiO}_3$  ferroelectric perovskites”, Indian Journal of Pure and Applied Physics ; Vol. 48, pp.220 March (2010).ISSN: 0975-1041 (Online); 0019-5596 (Print)
- 4. Dushyant Pradeep**, Ashok Kumar and U.C. Naithani; “Dependence of specific heat on electric field in  $\text{Ba}_{1-x}\text{Ca}_x\text{TiO}_3$  ferroelectric perovskites”, Indian Journal of Pure and Applied Physics; Vol. 48, pp.276 March (2010).Vol. 48, pp.220 March (2010). ISSN: 0975-1041 (Online); 0019-5596 (Print)
- 5. Dushyant Pradeep**, Ashok Kumar and U.C. Naithani; “Sound attenuation in  $\text{Ba}_{1-x}\text{Ca}_x\text{TiO}_3$  ferroelectric perovskites”; Indian Journal of Pure and Applied Physics; Vol. 48, pp.398; June (2010).Vol. 48, pp.220 March (2010). ISSN: 0975-1041 (Online); 0019-5596 (Print)
- 6. Dushyant Pradeep**, Ashok Kumar and U.C. Naithani; “Electric field dependence of soft mode frequency in  $\text{Ba}_{1-x}\text{Ca}_x\text{TiO}_3$  ferroelectric

- perovskites”, International Journal of Pure and Applied Physics; Vol. 06, No. 02, pp. 171, (2010).Print ISSN 0973-1776
7. **Dushyant Pradeep**, Talvinder Singh, Ashok Kumar and U.C. Naithani; “ $T^{3/2}$  contribution to the specific heat of  $PbTiO_3$ ,  $KNbO_3$  and  $Ba_{1-x}Ca_xTiO_3$ ”; International Journal of Pure and Applied Physics; Vol. 06, No. 02, pp. 165, (2010).Print ISSN 0973-1776
  8. **Dushyant Pradeep**, Ashok Kumar and U.C. Naithani; “Sound velocity change in  $Ba_{1-x}Ca_xTiO_3$  ferroelectric perovskites”, Indian Journal of Pure and Applied Physics;Vol. 49; pp. 132-136; Feb. (2011).ISSN: 0975-1041 (Online); 0019-5596 (Print).
  9. **Dushyant Pradeep**, Jagdev Singh, Debabrata Thanapati and Pooja Kumari, “ A Theoretical Study of the Variation in the Curie temperature of the La and Zr Doped  $BaTiO_3$  when External Electric Field Is Applied”, Research and Reviews: Journal of Material Sciences, Volume 2, Issue 2, pp. 17, (2014).e-ISSN: 2321-6212, p-ISSN: 2347-2278
  10. Chander Devgun, Dushyant Pradeep, Sarang Shah and Praveen Kumar, Astrophotometry with the help of a DSLR Camera, Abstract book of Conference on ‘Exploring Basic and Applied Science for Next Generation Frontiers (Nov 14-15), 2014, 296.
  11. **Dushyant Pradeep** and U.C. Naithani, "Electric field dependence of Inelastic scattering cross section of neutrons in pure and displacive ferroelectrics” , International Journal of Research and Analytical Reviews, Vol. 8, Issue 2, PP. 107-110, (2021), E-ISSN 2348-1269, P-ISSN 2349-5138).
  12. Dushyant Pradeep and Jagdev Singh, ”Dependence of Electrical and Thermal Properties on Applied Electric Field in La doped Barium Titanate Displacive Perovskites”, Accepted (2021)



## References

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1. **Dr. Jasdeep Kaur Dhami**, Director & Professor, CT Institute of Management and Technology, Jalandhar, Punjab.
2. **Dr. Kailash Chander Juglan**, Professor and Dean, Department of Physics, Lovely Professional University, Jalandhar, Punjab, INDIA
3. **Prof. M.K. Jain**, Professor & Head Deptt. of Physics, Model Institute of Engg. & Technology, Jammu, J&K.
4. **Dr. Teena Sehgal**, Assistant Professor, HMR Institute of Technology & Management (Guru Gobind Singh Indraprastha University), Hamidpur, Delhi.
5. **Dr. G. N. Chaudhari**, Professor, Department of Chemistry, Shri Shivaji science College Morshi Road, Amravati, M.S.

**The undersigned hereby certifies that all information given in this document is true, complete, and correct.**

*Dr. Dushyant Pradeep*