# Bio- data

**Name:** Dr. Deepak Kumar Upreti
**Father's Name :** Shree Basav Datt Upreti
**Date of Birth:** 18th July, 1980
**Gender :** Male

## Academic Qualifications

Doctorate in Physics, thesis entitled "Sensitisatised luminescence in ultraviolet excited phosphors doped with rare earth ions and visible excited phosphors doped with dyes in polymers".

Qualified CSIR (NET) examination in 2002 held in Dec 2001.

Qualified GATE examination in 2002.

Awarded Master of Science (M. Sc.) degree in Physics by Kumaun University, Nainital, Uttarakhand [1999–2001].

Awarded Bachelor of Science (B.Sc.) degree in Physics, Chemistry and Mathematics by Kumaun University, Nainital, Uttarakhand [1996-1999].

## Academic Achievements

Completed Orientation program from HRDC, Kumaun University Nainital, from 27 November 2017 to 23 December 2017. (Offline Mode)

Completed Refresher course from HRDC, Jawahalal University Delhi (JNU), from 18 November 2019 to 30 December 2019. (Offline Mode)

Completed Refresher course from HRDC, Teaching Learning Centre, Ramanujan College, University of Delhi from 10 April to 24 April 2022.(Online Mode)

Refresher course from Malaviya mission teacher training centre devi ahilya vishwavidyalaya, Indore from 03/02/2025 to 16/12/2025. (Online Mode)

Advanced Refresher course from IISC Challakere Campus Khudapura, Banglore from 24/04/2025 to 09/05/2025. (Offline Mode)

## Professional Experience

M. B. P. G. College Haldwani [01 August 2015 to till now]
Govt. P G College Ranikhet [23July 2016 to 31 July 2024]
Govt. P G College Ranikhet [09December 2015 to till now] - Contractual
Govt. PG College Dwarahat [06 August, 2008- 08 December 2015] - Contractual
Govt. P G College Ranikhet [09December 2006 to July 2008] - Contractual

## Areas of Research

**o** Spectroscopy
**o** Solid state Physics

## Research / Books Publications

1. Bhawna Sanwal, Pankaj sanwal, Charu Chandra Dhondiyal, Deepak Kumar Upreti, Optical Interaction Between The Dye Pair Fluorescence-Safranine T Doped In Polyvinyl Alcohal Polymeric Matrix, J. Mountain Res. P. 21(S2), (2026) 193-199.

2. Rajesh chandra Chaunwal, Andrew L. Fanai, Deepak Kumar Upreti, Hirdyesh Mishra, Optical and spectral properties of $Sm^{3+}$ and $Eu^{3+}$ ions doped zinc boro phosphate glass, Journal of molecular structure 1343(2025)142931.

3. Rajesh chandra Chaunwal, Andrew L. Fanai, Deepak Kumar Upreti, Hirdyesh Mishra, optical and spectral properties of $Sm^{3+}$ and $Eu^{3+}$ ions doped zinc boro phosphate glass, Optical Material Physical 157(2024)116115.

4. C C Dhondiyal, Himani Tiwari, Tara Bhatt, D K Upreti & B Sanwal, Study of emission and optical interaction in $UO_2$- Nd system doped in zinc phosphate,Indian J Phys 96(2)2022)575-581.

5. Charu Chandra Dhondiyal, Himani Tiwari, Tara Bhatt, Hema, Deepak Kumar Upreti & Bhawana Sanwal, Indian Journal of pure & Applied Physics, Study of optical interaction between $UO_2^{++}$ and $Ho^{3+}$ in zinc phosphate glass, 59 (2021)5-10.

6. BC Joshi, Deepak Kumar Upreti, Charu Chandra Dhondiyal, Bhawana Khulbey, Energy transfer between optically excited Tb3+ and Er3+ ions in zinc phosphate glass, Indian journal of pure and applied physics 46(2006)702

7. BC Joshi, Bhawana Khulbey, Deepak Kumar Upreti, Charu Chandra Dhondiyal, Energy transfer from $Sm^{3+}$ and $Er^{3+}$ ions in zinc phosphate glass, Indian journal of physics 84(2010)405.

8. BC Joshi, , Charu Chandra Dhondiyal, Deepak Kumar Upreti, Bhawana Khulbey ,Non-radiative energy transfer between $Eu^{3+}$ and $Er^{3+}$ions in zinc phosphate glass, Indian journal of pure and applied physics 44(2006)811.

9. Role of Science & Technology and politics in welfare of society: A combined effort of politics, Science and Technology in Emerging trends and present scenario of Indian politics on Contemporary research papers of social sciences 1(2009)85 ISBN NO 8179880583.

## Participation in Conferences, Workshops etc.

**1.** Attended workshop organized by IUCAA held at D S B Campus from 25 october2006-to 29 October 2006.
**2.** Participated in 3rd UCOST held at IIT Roorkee on 10-11 Nov 2008.
**3.** Participated in regional seminar on INTELECTUAL PROPERTY ANDINNOVATION MANAGEMENT IN KNOWLED ERA organize by corporation on 28-29 January 2008 at Almora by NRDC.
**4.** Attended the national symposium on radiation & photochemistry held at Kumaun university Nainital on 12-14 March 2009.
**5.** Participated in 4th UCOST held on held at G B Pantnagar university Pantnagar on 10- 12 Nov 2009.
**6.** Attended the national seminar on recent trends in interdisciplinary research and astrophysics and space science (NCRTIRASS-2012) held at MB P G College Haldwani on 3-4 November 2012.
7. Attended the national seminar on recent development in physics and prosperity in solar physics-space science (NSRDPPSPSS-2014) held at MB P G College Haldwani on 27- 28 December 2014.

**Research papers in Conferences, Workshops**

**1.** A poster presentation of the paper entitled energy transfer between optically excited by Tb3+ to Pr3+ in zinc phosphate glass in national symposium on radiation & photochemistry held at Kumaun university Nainital on 12-14 March 2009.
**2.** Oral Presentation of the paper entitled „Sensitization on Nd3+ ions by Tb3+ ions in zinc phosphate glass" in 3rd UCOST held at IIT Roorkee on 10-11 Nov 2008.
**3.** Oral presentation of the paper „sensitizing Er3+ by Tm3+ in zinc phosphate glass" in 4th UCOST held at G B Pantnagar university, Pantnagar on 10-12 Nov 2009.
**4.** Contributory talks in seminar recent trends in interdisciplinary research and astrophysics and space science (NCRTIRASS-2012) and presented the paper sensitizing Er3+ by UO2 in zinc phosphate glass held at MB P G College Haldwani on 3-4 November 2012.
**5.** Contributory talks of the paper entitled „A comparative study of energy transfer in Tb3+ -Nd3+and Tb3+ -Er3+ systems in zinc phosphate glass" in the seminar recent development in physics and prosperity in solar physics-space science (NSRDPPSPSS-2014) held at MB P G College Haldwani on 27-28 December 2014.

**Subject taught-** Mathematical Physics, Classical Mechanics, Modern physics, Quantum Physics, Optics, Heat and thermodynamics, Electricity and magnetism, Particle Physics.