CURRICULUM VITAE

Prof. D.P Bhatt

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Prof. D.P. Bhatt did his B.Sc., **M.Sc.(Physics) and D. Phil from the HNB Garhwal University** and has 40 years of experience in teaching and academic administration. He joined as assistant professor in the Department of Physics of Government PG College, Agastyamuni,, Rudra Prayag in 4 Feb 1985. He has joined as Associate Professor in the Department of Physics at Government PG College, Rishikesh in 2002.

Dr. Bhatt joined as Professor in Department of Physics Government PG College, Rishikesh in 2009 and worked till march 2019. He has also served as HOD, Member Secretary Academic Council and Controller of Examination in Govt. P.G. Autonomous college Rishikesh. In 2019 he joined as Principal at Dr. Shivanand Nautiyal Government Degree College, Vedikhal, and presently working as Principal at Govt. P.G. College Berinag Uttarakhand. Prof. Bhatt has published more than 20 Research Papers in Journals of International and National of high repute. He has attended and contributed his research work in more than **25 conferences/seminars/symposia** and also participated in numbers of training workshops at International and National level. He also organized an international webinar on "Covid-19 Pandemic challenges, university examination; problems and solutions" and has been co-organizer of a national conference on Acoustics held at Rishikesh.. He also acted as Chief Person/Resource person in different

events/seminars/symposia etc. He also contributed in science popularization program and literacy movement.

Prof. Bhatt is a life member of Indian Association of Physics Teachers. He has been instrumental in celebrating/organizing events on the Exam, Sports, NSS, Adult Education etc. in various colleges of Uttarakhand. He acts as external experts and paper setter of different universities of India.

* **Experiences:** 40 Years teaching experience in the field of Physics.

Area of Interest : Semi conductor materials and Solar cells

Publications:

1. **Theory of Grain Boundary Recombination and Carrier transport in Polycrystalline Silicon under Optical Illumination: D.P. Joshi and D.P. Bhatt, IEEE Trans. Electron Devices, ED-37, Jan 1990 PP-237(ISSN No: 9646).**
2. **Electrical Properties of Polycrystalline Silicon under Optical Illumination: D.P. Joshi and D.P. Bhatt, J.Appl. Phy.,68(5), Sept.1990, PP-2338 (ISSN No: 0021-8979).**
3. **Grain Boundary Barrier Heights and Recombination Velocities in Polycrystalline Silicon under Optical Illumination: D.P. Joshi and D.P. Bhatt, Solar Energy Materials, Vol. 22, 1991 PP-137(ISSN No: 0927-0248).**
4. **Theoretical Study of the Influence of Doping concentration on the Performance of Polycrystalline Silicon Solar Cells: D.P. Bhatt and D.P. Joshi, J.Appl. Phy., 71(9), May 1992, PP-4594 (ISSN No: 0021-8979).**
5. **Contribution of Biomass as a Source of Non-conventional Energy: Sri Niwas and D.P. Bhatt: Proc. Of Seminar on Non-Conventional Energy July 1997,PP-28(NCE-1997).**
6. **Effect of Aspiration on Vowels length and Gap duration of Garhwali-Hindi Stop Consonants: RK Upadhyay, DP Bhatt et al., J.Acous. Ind., Vol.32,2004, PP-387(ISSN No.-0253-7257).**
7. **Effect of Voicing on Vowels length and Gap duration of Garhwali-Hindi Stop Consonants: RK Upadhyay, DP Bhatt et al., J.Acous. Ind., Vol.32,2004, PP-381(ISSN No.-0253-7257).**
8. **Effect of Formant Frequencies of Vowels in Male and Female at different Ages: SK Adhikari, KC Jugan, DR Adhikari, DP Bhatt and RK Upadhyay, J.Acous. Ind., Vol.32,2004, PP-402(ISSN No.-0253-7257).**
9. **Effective Diffusion Length of Minority Carriers in Polycrystalline GaAs Solar Cells, MK Sharma, DP Joshi and DP Bhatt, Proc. Of International Conference on Optics & Optoelectronics, 12-15 Dec.2005(PP-OSMD-110).**
10. **Effect of Formant Bandwidth of Vowels in Male and Female at Different Ages: RK Upadhyay, SK Adhikari, DP Bhatt and DR Adhikari, J.Acous. Ind., Vol.34,2006, (ISSN No.-0253-7257).**

11. **Effect of Grain Boundaries on the Characteristics of Polycrystalline Silicon Thin Film Transistors : Kiran Sharma, D.P. Bhatt and DP joshi, Proc. National Conference on Semiconductor Materials & Technology, Gurukul Kangari University Haridwar, Oct. 16-18,2008 PP-35(NC-SMT-2008).**
12. **Grain Boundary Recombination & Efficiencies of Polycrystalline Silicon Solar Cells : Proc. International Conference on Emerging Trends in Electronic and Photonic Devices & Systems, Electro-2009, PP-523 (ELECTRO-2009 IEEE).**
13. **Green Chemistry and Sustainable Development: D.P. Bhatt et al.: Proc. Of the National workshop on Green Chemistry Practices in Teaching,**