CURRICULUM VITAE

Full Name Dr. Vijay Singh Bist
Designation **S**enior **T**echnical **O**fficer (Electronics)
Department Instrumentation Engineering
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Education Qualification D.Phil. (1998), HNB Garhwal University, Srinagar, Uttrakhand-246174.

Teaching Experience 33 Years **Research Experience** 34 Years

Areas of Interest/ Specialization

1. Ferroelectric materials.
2. Digital Electronics.
3. Basic Electrical Engineering.
4. Electrical & Electronic Instrumentation and Measurements.
5. Analytical Instrumentation.

Honors & Awards: NIL

Member of Academic Institutions: NIL

Membership of Scientific Organization:

1. A life member of the Instrument Society of India.

Research Supervision (No. of Ph.D. Degree Awarded/ Registered): NIL

Research Projects/ MOU undertaken: NIL

Administrative Experience:

1. Coordinator, "B. Tech. first year".
2. Member of the "B. Tech. admissions committee".
3. Member of the “Departmental Purchase Committee”.
4. Member of the “School End Semester Examination Committee”.
5. Centre Superintendent, H.N.B. Garhwal University, Srinagar (Garhwal), ChaurasCampus, Examination Centre for the session (2020-21).

Scientific Visits Abroad/International Collaboration: NIL

Conference/Symposium/Workshop Attended during last five years (2012-2017).National:

1. Attendant National Conference on **‘Recent Advances in Materials Science (NCRAMS)’**, 26 – 30 October, 2013, HNB Garhwal University, Srinagar (Garhwal).

Conference/Symposium/Workshop Organized during last five years (2012-2017)

1. Organized the ‘**World IPR day’** ‘jointly with UCOST, Dehradun at USIC, HNB Garhwal University, Srinagar (Garhwal), April 26, 2014.

Best Peer-Reviewed Publications 2009 onwards (*up to 05)*

Journals: *International Physics Research*

Proceedings: NIL

A. Books:

1. "Experiments in Digital Electronics", **Dr. V. S. Bist**, A. S. Bahuguna, and Dr. SunilSemwal, Neel Kamal Prakashan, September-2021, ISBN: 978-81-952786-5-7.

2. "डिजिटल इलेक्ट्रॉनिक्स: सिद्धांत और प्रयोग", **डॉ0 विजय सिंह बिष्ट,** ई0 अरुण शेखर बहुगुणा, एवं डॉ0 सुनील सेमवाल, नील कमल प्रकाशन, शाहदरा, दिल्ली-११००३२, फरवरी-२०२४. ISBN978-93-93248-74-9.

Total Number of Book Publications: 02

B. Research Publications:

1. Relaxation processes and ultrasonic attenuation in KDP - type ferroelectric, **V.S. Bist**, and N. S. Panwar, *GJSFR*, **11** (2011) 25.

2. Dielectric Properties of Order-Disorder Type Crystals, **V. S. Bist**, and N. S. Panwar, *GJSFR -Mathematics and Decision Sciences*, **12** (2012) 23.

3. Temperature Dependence of Relaxation Rate in KH_2PO_4 above T_c, **V. S. Bist**, and N. S. Panwar, *GJSFR* -Physics and Space Science, **13** (2013) 35.

4. Temperature Dependence of Inverse Dielectric Susceptibility in KDP - Type Crystals**, V. S. Bist,** and N. S. Panwar, *GJSFR - Physics and Space Science*, **13** (2013) 23.

5. Temperature dependence of dielectric loss tangent in KDP (KH_2PO_4) type crystals, **V. S. Bist,** and N. S. Panwar, *GJSFR - Physics and Space Science*, **15** (2015) 13.

6. Phase Transitions in KDP-Type crystals**, V. S. Bist,** N. S. Panwar, and B. S. Semwal, *Chemical Science Transactions,* **4(4)** (2015) 1131.

7. Relaxation time in KDP-Type ferroelectrics above T_c, **V. S. Bist,** N. S. Panwar, and B. S. Semwal, *International Journal of Emerging Technology and Advanced Engineering,* **5(10)** (2015) 317.

8. Study of Dielectric Properties and Ultrasonic Attenuation in KDP-Type Ferroelectrics, **V. S. Bist,** N. S. Panwar, *International Physics Research,* **5(10)** (2016) 9475740.

9. Soft mode dynamics of order-disorder type crystals, **V. S. Bist,** N. S. Panwar, and B. S. Semwal, *Chemical Science Transactions,* **4(4)** (2016) 1131.

Total Number of Research Publications: 11