

Curriculum Vitae

Full Name : Dr. Vijay Singh Bist
Designation : Senior Technical Officer (Electronics)
Department : Instrumentation Engineering
Campus : H.N.B. Garhwal University, Srinagar (Garhwal), Chauras Campus.
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Education Qualification : D.Phil. (1998), H.N.B. Garhwal University, Srinagar (Garhwal), Uttarakhand.

Teaching Experience : 33 Years **Research Experience** : 35 Years

Areas of Interest/ Specialization:

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

Honors & Awards: NIL

Member of Academic Institutions: NIL

Membership of Scientific Organization /Social Organization:

1. A life member of the Instrument Society of India.
2. Lifetime member of the International Goodwill Society of India

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

Research Projects/ MOU undertaken: NIL.

Administrative Experience:

1. Coordinator, "B.Tech first year" during 2020-21 to 2023-24 academic sessions.
2. Admission Convener, "B. Tech. Second year under lateral entry scheme" during academic sessions from 2016-17 to 2022-2023.
3. Member of the "Departmental Purchase Committee".
4. Committee Member of the "School of Engineering & Technology End Semester Examination".
5. Observer, University PG Entrance Examination during academic session 2027-18 and 2018-2019.
6. Centre Superintendent, H.N.B. Garhwal University, Srinagar (Garhwal), Chauras Campus, Examination Centre for the academic session 2019-20.
7. Evaluation Convener (Professional Courses), H.N.B. Garhwal University, from academic session 2018-19, and 2020-21.
8. Assistant Supervisor, UPSC Examination, H.N.B. Garhwal University, Srinagar (Garhwal), Centre, from academic sessions 2020-2021 to 2022-2023.
9. Observer, University Pre. Ph.D Entrance Examination during academic session 2022-23.

10. Observer, NTA, CUET examinations, H.N.B. Garhwal University, Srinagar (Garhwal), Chauras Campus, Examination Centre 2022-23, and 2023-24.
11. Assistant Controller of Examination, H.N.B. Garhwal University, Srinagar (Garhwal), from academic session 2024-25.

Scientific Visits Abroad/International Collaboration: NIL

Conference/Symposium/Workshop Attended during the last five years.

National:

1. Attendant National Conference on 'Recent Advances in Materials Science (NCRAMS)', 26 – 30 October, 2013, H.N.B. Garhwal University, Srinagar (Garhwal).

Best Peer-Reviewed Publications.

Proceedings: NIL

Books:

1. "Experiments in Digital Electronics", **Dr. V. S. Bist**, A. S. Bahuguna, and Dr. Sunil Semwal, Neel Kamal Prakashan, September 2021, ISBN: 978-81-952786-5-7.
2. "डिजिटल इलेक्ट्रॉनिक्स सिद्धांत और प्रयोग", डॉ० विजय सिंह बिष्ट, ई० अरुण शेखर बहुगुणा, डॉ० सुनील सेमवाल, प्रकाशक नील कमल प्रकाशन, शाहदरा, दिल्ली-११००३२, फरवरी-२०२४. ISBN: 978-93-93248-74-9.
3. "Objective Digital Electronics: MCQ with Answer Key", **Dr. Vijay Singh Bist**, Arun Shekhar Bahuguna, and Dr. Vishwanath Bijalwan, Neel Kamal Prakashan, April 2025, ISBN: 978-93-49491-29-8.

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 KH₂PO₄ 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 (KH₂PO₄) 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