


Curriculum Vitae

Full Name	Don Biswas		
Designation	Assistant Professor		
Department	University Science Instrumentation Centre		
Campus	Chauras		
Telephone	01370-267888		
Mobile	8477809490		
Email	donusic06@gmail.com d.biswas@hnbgu.ac.in		
Education Qualification	B. Tech. (2008), Kalyani University (Electronics & Instrumentation Engg.) M.Tech.(2010), Calcutta University (Instrumentation & Control Engg.) Ph. D. pursuing from Jadavpur University		
Teaching Experience	9 Years	Research Experience	3 Years
Areas of Interest/ Specialization			
<ol style="list-style-type: none"> 1. Perovskite type crystals. 2. Instrumentation and Control. 3. Electrical Measurements and Instruments. 4. Power Electronics. 5. Signals and Systems. 6. Power Plant Engineering. 			
Practical knowledge: <ol style="list-style-type: none"> 1. DC sputtering system, RF sputtering system. 2. SEM (Scanning Electron Microscopy). 3. ICPMS. 4. RLC Meter. 5. XRD (X Ray diffraction). 6. P- E loop tracer. 			
Administrative Experience:			
<ol style="list-style-type: none"> 1. Member of Departmental Purchase Committee. 2. Member of the B. Tech. Admission Committee, H.N.B. Garhwal University, Srinagar (Garhwal). 3. Member of the B. Tech. JOSSA Admission Committee, H.N.B. Garhwal University, Srinagar (Garhwal). 4. Member of the B. Ed. Admission Committee, H.N.B. Garhwal University, Srinagar (Garhwal), from jan 2018- july 2018. 5. Member of the P.G. Admission Committee, H.N.B. Garhwal University, Srinagar (Garhwal), from jan 2019- july 2020. 6. Member of the Ph. D. Admission Committee, H.N.B. Garhwal University, Srinagar (Garhwal), from jan 2019- july 2020. 7. Member of the board of studies (BoS) (meeting held on 26-02-2019), Instrumentation Engg. –USIC, H.N.B. Garhwal University, Srinagar (Garhwal). 			

Conference/Symposium/Workshop/Invited lecture Attended/Delivered during last eight years (2012-2020):

1. Attended short term course on “PCB Layout, Fabrication and Testing” from 14-01-2013 to 18-01-2013, organized by NITTTR Chandigarh, India.
2. Attended Conference on “Recent Advances in Material Science (NCRAMS-13)”, organized by Dept. of Physics, H.N.B. Garhwal University, Srinagar (Garhwal), 26-27 October, 2013.
3. Attended Orientation Course organized by Academic Staff College, Jadavpur University, Kolkata, 04 Aug. - 01 Sept., 2014.
4. Attended a Workshop on NMEICT Awareness “Recent Trends in Education System”, organized by National Institute of Technology, Uttarakhand, on 29-30 November, 2014.
5. Attended Refresher Course on “Disaster Management” organized by UGC-HRDC, Kumaun University, Nainital (Uttarakhand) from 02 – 23 Dec, 2016.
6. Attended two day training program on “Ethics & Values in Public Governance”, organized by Academic Activity Centre, HNBGU, Uttarakhand, 28-29 May, 2017.
7. Attended one month Induction training Program organized by FDC, HNBGU, Uttarakhand, 01-30 June, 2018.
8. Presented a Invited talk on the topic ferroelectrics in “International Conference on Aerosol, Air Quality and Climate Change”, organized by Dept. of Physics, H.N.B. Garhwal University, Srinagar (Garhwal), 21-23 October, 2018.
9. Attended a Short term training Program on Data Analysis Awareness “Computational Techniques in Research Methodology for Science and Social Sciences”, organized by FDC, HNBGU, Uttarakhand, 25-31 July, 2019.
10. Attended a short term training program on “Dimensions of Qualitative Research”, organized by FDC, HNBGU, Uttarakhand, 21-27 Aug., 2019.
11. Attended a short term training program on “Nanotechnology for electronic and photonic devices (Nanodev 2020)” organized by Punjab Engg. College, Chandigarh, during 15th june, 2020- 19th june, 2020.
12. Attended online lecture series on “Academic Leadership in Higher education during and after Covid- 19 pandemic” organized by HNB Garhwal university, Srinagar Garhwal, during 22th june, 2020- 26th june, 2020.
13. Attended a short term training program on “Pedagogical Training for Teachers on Tools for Online Teaching Learning and Evaluation” organized by Swami Ramanand Teerth Marathwada University, Nanded, during 1st july 2020- 6th july, 2020.
14. Attended a short term course on “Sub-micrometer Semiconductor Device to Circuit Co-Design and Modeling Techniques” organized by NIT Jhalandar, Punjab, during 20th Aug., 2020- 24th Aug., 2020.

In the Proceedings of Conferences/ Seminars

1. Four band slotted microstrip antenna, K. Kumar, A. Bahuguna, D. Biswas, State level conference on Imagineering, Tula’s Institute, Dehradun, Uttarakhand, 25th October, 2018.
2. Piezoelectric properties of lead free $Ba_{1-x}Ca_xZr_{0.1}Ti_{0.9}O_3$ ($x = 0.15$) ceramics with different sintering temperature, D. Biswas, P. Sharma and N. S. Panwar, International conference on Material Science and Applications (ICMSAA-2019), Physics Department, HNBGU, Uttarakhand, 25-27 Nov, 2019.

Conference/Symposium/Workshop Organized during last eight years (2012-2020)

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

Best Peer-Reviewed Publications 2012 onwards (up to 10) Journals:

1. **D. Biswas**, G. S. Kathait, P. Thapliyal, V. Rohilla & S. Singh “Temperature dependence of dielectric properties of sodium potassium niobate ceramics for different values of x ($\text{Na}_{1-x}\text{K}_x\text{NbO}_3$)” *Ferroelectrics*, Vol. **526**, pp. 168–175, 2018, Published by Taylor & Francis. (SCI Indexed)
2. T. Singh, B. Gangil, A. Patnaik, **D. Biswas**, G. Fekete “Agriculture waste reinforced corn starch based biocomposites: Effect of rice husk/walnut shell on physicochemical, biodegradable and thermal properties” *Materials Research Express*, Vol. **06** (04), pp. 1-23, 2019 Published by IOP Publishing Ltd. (SCI Indexed)
3. **D. Biswas**, G. S. Kathait, P. Thapliyal, V. Rohilla, S. Singh & J. Negi “Converse piezoelectric properties of K and Na-modified ($\text{Na}_{1-x}\text{K}_x$) NbO_3 lead free ceramics for $x=0.08$ and 0.17 ” *Ferroelectrics*, Vol. **550**, pp. 228–232, 2019, Published by Taylor & Francis. (SCI Indexed)
4. **D. Biswas et al** “Microcontroller based data acquisition system using error reduction technique” *International Journal of Engineering, Science and Technology*, Vol. **11**, No. 3, pp. 40-48, 2019 published by AJOL Nijeria. (Scopus Indexed)
5. G. S. Kathait, **D. Biswas**, P. Thapliyal, V. Rohilla & S. Singh “Influence of Escaping of Na & K on physical properties in Lead-Free $\text{Na}_{0.92}\text{K}_{0.08}\text{NbO}_3$ Ceramic” *Ferroelectrics*, Vol. **551**, pp. 40–46, 2019, Published by Taylor & Francis. (SCI Indexed)
6. T. Singh, B. Gangil, B. Singh, S.K. Verma, **D. Biswas**, G. Fekete “Natural-synthetic fiber reinforced homogeneous and functionally graded vinylester composites: Effect of bagasse-Kevlar hybridization on wear behavior” *J. Mater Res Technology*, Vol. **8**, No. 6, pp. 5961- 5971, 2019, Published by Elsevier. (SCI Indexed)
7. G. S. Kathait, N. S. Panwar, **D. Biswas**, P. Thapliyal, V. Rohilla & S. Singh “Sintering Effect on Electrical Properties and Morphology of Lead-Free $\text{Na}_{0.92}\text{K}_{0.08}\text{NbO}_3$ Ceramics” *Science of Sintering*, **51**, 2019, Published by International Institute for the Science of Sintering. (SCI Indexed)
8. V. Rohilla, G. S. Kathait, **D. Biswas**, P. Thapliyal, & B. Rohilla “Estimation of Heavy Metals in some Indian Black Tea Leaves by Inductively Coupled Plasma Mass Spectrometer (ICPMS) and associated Health Risks” *Indian Journal of Agricultural Research*, Vol. **A-5429**, pp. 1-6, 2020, Published by Agricultural Research Communication Centre (SCI Indexed)
9. **D. Biswas**, N. S. Panwar and P. Sharma “Converse piezoelectric properties of lead free $\text{Ba}_{1-x}\text{Ca}_x\text{Zr}_{0.1}\text{Ti}_{0.9}\text{O}_3$ ($x = 0.055$) ceramics using double sintered method” *Ferroelectrics*, Vol. **569**, accepted, 2020, Published by Taylor & Francis. (SCI Indexed)
10. **D. Biswas**, P. Sharma and N. S. Panwar “Dielectric properties of $\text{Na}_{1-x}\text{K}_x\text{NbO}_3$ (NKN) ($0.160 \leq x \leq 0.200$) ceramics synthesized by double sintered method” *Ferroelectrics*, Vol. **572**, accepted, 2020, Published by Taylor & Francis. (SCI Indexed)

Book Chapter

1. S. kumar, **D. Biswas**, B. Gangil “Asbestos free braking pads by using organic fiber based reinforced composites for automotive industries”, *Automotive Tribology*, Springer Nature Singapore Pte Ltd., Oct. 2019.