

Curriculum Vitae

Full Name	Vishal Rohilla			
Designation	Assistant Professor			
Department	USIC			
Campus	Srinagar			
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Education Qualification	<ol style="list-style-type: none"> 1. M.Tech. Instrumentation (2009),UCIM, Panjab University, Chandigarh. 2. M.Sc. Electronics (2006),ELSD, Kurukshetra University, Kurukshetra. 			
Teaching Experience	10 Years	Research Experience	7 Year	
Areas of Interest/ Specialization				
<ol style="list-style-type: none"> 1. Analytical Instruments (ICP-MS, XRD) 2. Microcontrollers 3. Virtual Instrumentation 4. Electrical properties of materials 				
Administrative Experience				
<ol style="list-style-type: none"> 1. Member of Departmental Purchase Committee. 2. Member of departmental Board of Studies (BoS) in 2017-18, 2018-19. 3. GeM Incharge in 2019-20. 				
Membership of Scientific Organization				
<ol style="list-style-type: none"> 1. Lifetime Member of Instrument Society of India, IISc Bangalore 				
Orientation/Refresher Courses Attended				
<ol style="list-style-type: none"> 1. Orientation Programme organized by UGC-Academic Staff College, GJU S&T, Hisar, Haryana from 19-06-2014 to 16-07-2014. 2. Special summer school programme organized by UGC-HRDC, University of Allahabad, from 08-06-2016 to 28-06-2016. 3. Short term training programme on ' Computational techniques in research methodology for sciences and social sciences' organized by FDC, HNBGU, from 25-07-2019 to 31-07-2019. 				
Conference/Symposium/Workshop Attended				
<ol style="list-style-type: none"> 1. Attended a Workshop on NMEICT Awareness "Recent Trends in Education System", organized by Dept. of Computer Science & Engineering, National Institute of Technology, Uttarakhand, on 29th & 30th November, 2014. 2. Attended online Short Term Course on "Nanoscience for Engineering Applications", jointly organized by National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh and Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, from 22nd June to 26th June, 2020. 				

Best Peer-Reviewed Publications 2009 onwards

1. Rohilla, V., Kathait, G.S., Biswas, D., Thapliyal, P. and Ruhela, B., 2021. Estimation of heavy metals in some indian black tea leaves by inductively coupled plasma mass spectrometer (ICP-MS) and associated health risks. *Indian journal of agricultural research*, 55(2), pp.181-186.
2. Rohilla, V., Biswas, D., Thapliyal, P., Kathait, G.S. and Singh, S., 2020. Estimation of some essential, non essential toxic and toxic elements in some Indian black tea sold in market by 'ICP-MS' and their risk assessment.
3. Biswas, D., Kathait, G.S., Thapliyal, P., Rohilla, V. and Singh, S., 2018. 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*, 526(1), pp.168-175.
4. Kathait, G.S., Rohilla, V., Thapliyal, P., Biswas, D. and Singh, S., 2017. Effect of different strontium content on dielectric properties of barium strontium titanate ceramic. *Int. J. Latest Technol. Eng. Manage. Appl. Sci*, 6, p.75.
5. Biswas, D., Kathait, G.S., Thapliyal, P., Rohilla, V., Singh, S. and Negi, J., 2019. 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*, 550(1), pp.228-232.

In the Proceedings of Conferences:

1. Rohilla, V., Rohilla, R.C., Thapliyal, P., Biswas, D. and Kathait, G.S., 2021, June. Photovoltaic Power System with Battery Backup and Grid-Connection to Reduce Grid Dependency During Peak Demand Hours and Power Cuts. In *Techno-Societal 2020: Proceedings of the 3rd International Conference on Advanced Technologies for Societal Applications—Volume 2* (pp. 393-405). Cham: Springer International Publishing.