


<b>Title</b>	Dr.	<b>First Name</b>	Sandhya	<b>Last Name</b>	Jain	<b>Photograph</b>
<b>Designation</b>	Associate Professor					
<b>Address (Campus)</b>	Vivekananda College, University of Delhi, Vivek Vihar-110095					
<b>(Residence)</b>	F-247, Pandav Nagar, Patpar Ganj, New Delhi-110095					
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<b>Web-Page</b>						
<b>Educational Qualifications</b>	Ph.D.(Maths), M.Phil. (Maths)					
<b>Degree</b>	<b>Institution</b>				<b>Year</b>	
Ph.D. (Maths)	Department of Mathematics, University of Delhi				2015	
M.Phil. (Maths)	Department of Mathematics, University of Delhi				2006	
M.A. (Maths)	Zakir Husain College, University of Delhi				2003	
B.A.(H) Maths	Zakir Husain College, University of Delhi				2001	
<b>Career Profile</b>						
<b>Designation</b>					<b>Duration</b>	
Associate Professor					13 years	
<b>Administrative Assignments</b>						
<ol style="list-style-type: none"> <li>1. Convener of Social Outreach and Community Development Committee</li> <li>2. Convener of Enectus Vivekananda</li> </ol>						
<b>Subjects Taught:</b> Partial Differential Equation, Theory of Real Functions, Mathematical Modeling and Graph Theory						
<b>Research Guidance:</b>						
<b>Publications profile:</b>						
<ol style="list-style-type: none"> <li>1. Pankaj Jain and Sandhya Jain, <i>On anisotropic weighted Sobolev inequalities</i>, Proc. A. Razmadze Math. Inst., 158 (2012), 57-65.</li> <li>2. Pankaj Jain and Sandhya Jain, <i>On Young type inequalities for generalized convolution inequalities</i>, Proc. A. Razmadze Math. Inst., 164 (2014), 45-61.</li> </ol>						

3. Pankaj Jain and Sandhya Jain, *Normability and duality in the two-dimensional Lorentz space*, Eurasian Mathematical Journal, 5 (2014), 79 – 91.
4. Pankaj Jain, Sandhya Jain and Rajender Kumar, *On fractional convolution and distribution*, Integral Transforms and Special Functions, 26(2015), 885-899. 0.828
5. Pankaj Jain and Sandhya Jain, *Weighted spaces related to Bochner integrable functions*, Georg. Math. J, 22(2015), 71-79. 0.482
6. Pankaj Jain and Sandhya Jain, *O'Neil Type Convolution Inequalities in Lorentz Spaces*, Proceedings of the National Academy of Sciences, India Section A: Physical Sciences, 86(2016), 267–271. 0.754
7. Pankaj Jain and Sandhya Jain, *Generalized Convolution Inequalities and Application*, Mediterr. J. Math.,14 (2017), DOI 10.1007/s00009-017-0961-3.
8. P. Jain, S. Jain, V.D. Stepanov, *LCT based integral transforms and Hausdorff operators*, Eurasian Mathematical Journal, 11(2020), 57-71.
9. Sandhya Jain, Alberto Fiorenza and Pankaj Jain, *Boundedness of Dunkl-Hausdorff operator in Lebesgue spaces*, Rocky Mountain Journal of Mathematics, 51(2021), 2031-2044.
10. Sandhya Jain and Pankaj Jain, *Haudorff and Dunkl-Hausdorff operators in Lebesgue spaces for monotone functions and monotone weights*, Positivity, 2022, <https://doi.org/10.1007/s11117-022-00962-6>

**Conference organization/Presentations (in the last three years):**

1. Organised an online one week Faculty Development Programme on ‘Mathematical Analysis and its Applications’ during July 26 - 31, 2021 in collaboration with Mahatma Hansraj Faculty Development Centre, Hansraj College.
2. Presented an online paper, entitled “**Dunkl - Hausdorff operator**” in 87th Annual Conference of The Indian Mathematical Society held at JNEC, MGM University, Aurangabad during Dec 4 - 7, 2021.
3. Presentaed a poster, entitled “**Boundedness of Hausdorff and Dunkl-Hausdorff operators**” in the annual conference Indian Women and Mathematics held at IISER, Bhopal during July13 – 15, 2023.

**Research Projects (Major Grants/Research Collaboration)**

**Awards and Distinctions:**

**Other Activities**

