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|---|--|-------------------|---------|------------------|-----------------|---|
| Title | Dr. | First Name | Sandhya | Last Name | Jain | Photograph |
| Designation | Associate Professor | | | | |  |
| Address (Campus) | Vivekananda College, University of Delhi | | | | | |
| (Residence) | Mahaveer Kuteer, F-247, Pandav Nagar, Patpar Ganj, New Delhi - 110091 | | | | | |
| Phone No. (Office) | | | | | | |
| (Residence) | | | | | | |
| Mobile | 9911378328 | | | | | |
| Fax | | | | | | |
| Email | drsandhyajain@vivekanand.du.ac.in , sandhyas_81@yahoo.co.in | | | | | |
| Web-Page | | | | | | |
| Educational Qualifications | Ph.D., M.Phil., M.A.(Mathematics) | | | | | |
| Degree | Institution | | | | Year | |
| Ph.D. (Mathematics) | University of Delhi | | | | 2015 | |
| M.Phil. (Mathematics) | University of Delhi | | | | 2006 | |
| M.A. (Mathematics) | Zakir Husain College, University of Delhi | | | | 2003 | |
| B.A.(H) (Mathematics) | Zakir Husain College, University of Delhi | | | | 2001 | |
| Career Profile | | | | | | |
| Designation | | | | | Duration | |
| Associate Professor | | | | | 16 years | |
| Administrative Assignments | | | | | | |
| Teacher In-Charge, Member of core Committees, NSS Programme Officer, Convener of Social Outreach & Community Development Committee etc. | | | | | | |
| Subjects Taught | | | | | | |
| Differential Equations, Multivariate Calculus, Group Theory, Theory of Real Functions, Mathematical Modelling & Graph Theory | | | | | | |
| Research Guidance: NA | | | | | | |
| Publications profile: | | | | | | |
| <ol style="list-style-type: none"> 1. P. Jain, S. Jain, "On anisotropic weighted Sobolev inequalities", Proc. A. Razmadze Math. Inst., 158 (2012), 57-65, ISSN No. 1512-0007. 2. P. Jain, S. Jain, "On Young type inequalities for generalized convolution inequalities in Lorentz spaces", Proc. A. Razmadze Math. Inst., 164 (2014), 45-61, ISSN No. 1512- 0007. 3. P. Jain, S. Jain, "Normability and duality in the two-dimensional Lorentz space", Eurasian Mathematical Journal, 5 (2014), 79 – 91, ISSN 2077-9879. 4. Pankaj Jain, Sandhya Jain, Rajender Kumar, "On fractional convolution and distribution", 26(2015), 885-899, ISSN No. (Print) 1065-2469, (Online)1476-8291. | | | | | | |

5. Pankaj Jain, Sandhya Jain, "**Weighted spaces related to Bochner integrable functions**", Georg. Math. J, 22(2015), 71-79, ISSN No. (Online) 1572-9176, ISSN (Print) 1072-947X.
6. Pankaj Jain, Sandhya Jain, "**O'Neil Type Convolution Inequalities in Lorentz Spaces**", Proceedings of the National Academy of Sciences, India Section A: Physical Sciences, ISSN No.0369-8203, 86(2016), 267–271
7. Pankaj Jain and Sandhya Jain, "**Generalized Convolution Inequalities and Application**", Mediterr. J. Math. (2017), DOI 10.1007/s00009-017-0961-3, ISSN No. 16605454, 16605446
8. P. Jain, S. Jain, V.D. Stepanov, "**LCT based integral transforms and Hausdorff operators**", Eurasian Mathematical Journal, 11(2020), 57-71, ISSN 2077-9879.
9. Sandhya Jain, Alberto Fiorenza and Pankaj Jain, "**Boundedness of Dunkl-Hausdorff operator in Lebesgue spaces**", Rocky Mountain Journal of Mathematics, ISSN · 0035-7596, To be print

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

1. Presented a paper, entitled "**A relation between linear canonical cosine transform and Hausdorff operator**" in an International Conference on Mathematical Analysis and its Application held at South Asian University during Dec 14th – 16th, 2019.
2. Organised a one-week online faculty Development programme on "**Mathematical Analysis and its applications**" as the convener during July 26th – 31st, 2021.
3. Presented a paper, entitled "**Dunkle Hausdorff operator**", in an online International 87th Annual conference of Indian Mathematical Society during Dec 4th -7th, 2021.

Research Projects (Major Grants/Research Collaboration):

Team member of Indo-Russian S&T project entitled "**Classical Operators on Sobolev and Banach function spaces and quasiconformal analysis**", 2016- 2019, funded by Department of Science & Technology (PI : Dr. Pankaj Jain, South Asian University)

Awards and Distinctions: NA

Other Activities