Bibliography

[1] C. Arteaga and I. Marrero, "Structure, boundedness, and convergence in the dual of a Hankel-$K\{M_p\}$ space," *Integral Transforms Spec. Funct.*, (2020)1-17.

[2] J.J. Betancor, "A new characterization of the bounded operators commuting with Hankel translation," *Arch. Math.*, (5),**69**(1997)403-408.

[3] J.J. Betancor, "On Hankel transformable distribution spaces," *Publ. Inst. Math. (Beograd)(N.S.)*, (79),**65**(1999)123-141.

[4] J.J. Betancor, "A generalized Hankel convolution on Zemanian spaces," *Int. J. Math. Math. Sci.*, (2),**23**(2000)131-140.

[5] J.J. Betancor and B.J. González, "A convolution operation for a distributional Hankel transformation," *Studia Math.*, (1),**117**(1995)57-72.

[6] J.J. Betancor and C. Jerez, "Convolution Hankel transforms on the Zemanian spaces," *Acta Math. Hungar.*, (3),**80**(1998)225-235.

[7] J.J. Betancor and I. Marrero, "Some properties of Hankel convolution operators," *Canad. Math. Bull.*, (4),**36**(1993)398-406.

[8] J.J. Betancor and I. Marrero, "Structure and convergence in certain spaces of distributions and the generalized Hankel convolution," *Math. Japon.*, (6),**38**(1993)1141-1155.

[9] J.J. Betancor and I. Marrero, "The Hankel convolution and the Zemanian spaces β_μ and β'_μ," *Math. Nachr.*, **160**(1993)277-298.

[10] J.J. Betancor and I. Marrero, "Algebraic characterization of convolution and multiplication operators on Hankel-transformable function and distribution spaces," *Rocky Mountain J. Math.*, (4),**25**(1995)1189-1204.

[11] J.J. Betancor and L. Rodríguez-Mesa, "Hankel convolution on distribution spaces with exponential growth," *Studia Math.*, (1),**121**(1996)35-52.

[12] J.J. Betancor and L. Rodríguez-Mesa, "On Hankel convolution equations in distribution spaces," *Rocky Mountain J. Math.*, (1),**29**(1999)93-114.

[13] Betancor, J. J., and L. Rodríguez-Mesa, "On Besov spaces in the Hankel setting," *Acta Mathematica Hungarica*, (3),**111**(2006)237-262.

[14] J. J. Betancor and L. Rodríguez-Mesa, "On the Besov–Hankel spaces," *J. Math. Soc. Japan*, **50**(1998)781–788.

[15] F.M. Cholewinski, A Hankel convolution complex inversion theory, Mem. Amer. Math. Soc., 1965.

[16] L.De Carli, "On the $L^p - L^q$ norm of the Hankel transform and related operators," *J. Math. Anal. Appl.*, (1),**348**(2008)366-382.

[17] L.S. Dube and J.N. Pandey, "On the Hankel transform of distributions," *Tohoku Math. J.*, (3),**27**(1975)337-354.

[18] L.S. Dube, "Some Hankel transformations of generalized functions," PhD thesis, Carleton University, 1973.

[19] A. Erdélyi, W. Magnus, F. Oberhettinger, F.G. Tricomi (eds.), Tables of Integral Transforms, Vol.:2, McGraw-Hill, New York 19542, 1954.

[20] V. Galli, S. Molina and A. Quintero, "A Liouville theorem for some Bessel generalized operators," *Integral Transform Spec Funct*, (5),**29**(2018)367-383.

[21] D.T. Haimo, "Integral equations associated with Hankel convolutions," *Trans. Amer. Math. Soc.*, **116**(1965)330-375.

[22] G.H. Hardy, J.E. Littlewood, and G. Pólya, Inequalities, Cambridge University Press, Cambridge, 1988.

[23] W.E. Higgins and D.C. Munson, "A Hankel transform approach to tomographic image reconstruction," *IEEE Trans. Med. Imaging*, (1),**7**(1988)59-72.

[24] I. Hirschman, "Variation diminishing Hankel transforms," *J. Analyse Math.*, (1),**8**(1960)307-336.

[25] M. Holschneider, Wavelets: an analysis tool, Clarendon Press, New York, 1995.

[26] C.L.J. Hu, "Fourier-Hankel Transform used in image raw data preprocessing," *in SPIE proceedings series*, (2001)45-48.

[27] N. Irfan and A.H. Siddiqi, "A wavelet algorithm for Fourier-Bessel Transform arising in optics," *Int. J. Eng. Math.*, **9**(2015).

[28] F.H. Kerr, "A fractional power theory for Hankel transforms in $L^2(\mathbb{R}^+)$," *J. Math. Anal. Appl.*, (1),**158**(1991)114-123.

[29] E.L. Koh, "The Hankel transformation of negative order for distributions of rapid growth," *SIAM J. Math. Anal.*, (3),**1**(1970)322-327.

[30] E.L. Koh, "The n-dimensional distributional Hankel transformation," *Canad. J. Math.*, (2),**27**(1975)423-433.

[31] W.Y.K. Lee, "On spaces of type H_μ and their Hankel transformations," *SIAM J. Math. Anal.*, (2),**5**(1974)336-348.

[32] P. Macaulay-Owen, "Parseval's theorem for Hankel transforms," *Proc. London Math. Soc.*, (1),**2**(1939)458-474.

[33] I. Marrero and J.J. Betancor, "Hankel convolution of generalized functions," *Rend. Mat. Appl.*, (3),**15**(1995)351-380.

[34] S. Molina, "A generalization of the spaces H_μ and H'_μ and the space of multipliers," *Actas del VII Congreso Dr. Antonio AR Monteiro*, (2003)49-56.

[35] S. Molina and S.E. Trione, "n-Dimensional Hankel transform and complex powers of Bessel operator," *Integral Transform Spec. Funct.*, (12),**18**(2007)897-911.

[36] J.N. Pandey, "Continuous wavelet transform of Schwartz distributions," *Rocky Mountain J. Math.*, (6),**49**(2019)2005-2028.

[37] J.N. Pandey, N.K. Jha and O.P. Singh, "The continuous wavelet transform in n-dimensions," *Internat. J. Wavelets, Multiresolut. Inf. Process.*, (5),**14**(2016):1650037.

[38] J.N. Pandey, J.S. Maurya, S.K. Upadhyay, and H.M. Srivastava, "Continuous wavelet transform of Schwartz tempered distributions in $S'(\mathbb{R}^n)$," *Symmetry*, (2),**11**(2019),article id. 235.

[39] J.N. Pandey and S.K. Upadhyay, "The continuous wavelet transform and window functions," *Proc. Amer. Math. Soc.*, (11),**143**(2015)4759-4773.

[40] R.S. Pathak, "On Hankel transformable spaces and a Cauchy problem," *Canad. J. Math.*, (1),**37**(1985)84-106.

[41] R.S. Pathak, Integral transforms of generalized functions and their applications, Gordon and Breach Science Publishers, Amsterdam, 1997.

[42] R.S. Pathak and M.M. Dixit, "Continuous and discrete Bessel wavelet transforms," *J. Comput. Appl. Math.*, (1-2),**160**(2003)241-250.

[43] R.S. Pathak and A.B. Pandey, "On Hankel transforms of ultradistributions," *Applicable Anal.*, (3-4),**20**(1985)245-268.

[44] R.S. Pathak and P.K. Pandey, "Sobolev type spaces associated with Bessel operators," *J. Math. Anal. Appl.*, (1),**215**(1997)95-111.

[45] R.S. Pathak, S.K. Upadhyay, and R.S. Pandey, "The Bessel wavelet convolution product," *Rend. Semin. Mat. Univ. Politec. Torino*, (3),**69**(2011)267-279.

[46] R.S. Pathak, "The wavelet transform of distributions," *Tohoku Math. J.*, (3),**56**(2004)411-421.

[47] R.S. Pathak, The wavelet transform, Atlantic Press/World Scientific:Paris, France, 2009.

[48] C.J. Sheppard, S.S. Kou and J. Lin, "The Hankel transform in n-dimensions and its applications in optical propagation and imaging," *in Advances in Imaging and Electron Physics*, Vol. 188 (Elsevier, 2015), pp. 135-184.

[49] I.N. Sneddon, Fourier transforms, Courier Corporation, 1995.

[50] H. Triebel, Theory of function spaces, Monographs in Mathematics, Springer Basel, 1983.

[51] S.K. Upadhyay and R. Singh, “Integrability of the continuum Bessel wavelet kernel,” *Int. J. Wavelets Multiresolut. Inf. Process.*, (5),**13**(2015),article id. 1550032.

[52] S.K. Upadhyay and R. Singh, “Abelian theorems for the Bessel wavelet transform,” *J. Anal.*, (1),**28**(2020)179-190.

[53] S.K. Upadhyay and R. Singh, “Bessel wavelet transform on the spaces with exponential growth,” *Filomat*, (8),**31**(2017)2459-2466.

[54] S.K. Upadhyay and R. Singh, “Linear time invariant filter associated with Bessel wavelet transform,” *J. Anal.*, (2),**26**(2018)323-332.

[55] S.K. Upadhyay, R. Singh, and A. Tripathi, “The relation between Bessel wavelet convolution product and Hankel convolution product involving Hankel transform,” *Int. J. Wavelets Multiresolut. Inf. Process.*, (4),**15**(2017),article id. 1750030.

[56] S.K. Upadhyay, R.N. Yadav, and L. Debnath, “On continuous Bessel wavelet transformation associated with the Hankel-Hausdorff operator,” *Integral transforms Spec. Funct.*, (5),**23**(2012)315-323.

[57] V.S. Vladimirov, Generalized functions in Mathematical Physics, G. Yankovasky, Eds., Central Books Ltd: London, UK, 1976, ISBN 9780714715452.

[58] G. Wing, “On the L^p- theory of Hankel transforms,” *Pacific J. Math.*, (2),**1**(1951)313-319.

[59] M.W. Wong, An Introduction to Pseudo-differential Operators, **(Vol. 6)**, World Scientific Publishing Company, Singapore, 2014.

[60] A.H. Zemanian, “A distributional Hankel transformation,” *SIAM J. Appl. Math.*, (3),**14**(1966)561-576.

[61] A.H. Zemanian, “The Hankel transformation of certain distributions of rapid growth,” *SIAM J. Appl. Math.*, (4),**14**(1966)678-690.

[62] A.H. Zemanian, “Hankel transforms of arbitrary order,” *Duke Math. J.*, (4),**34**(1967)761-769.

[63] A.H. Zemanian, Generalized integral transformations, Pure and Applied Mathematics **XVIII**, Interscience Publishers, New York, 1968.

1. J.N. Pandey, J.S. Maurya, S.K. Upadhyay, and H.M. Srivastava, "Continuous wavelet transform of Schwartz tempered distributions in $S'(\mathbb{R}^n)$," *Symmetry* (2),**11**(2019), 235.

2. S.K. Upadhyay and J.S. Maurya, "Continuous Bessel wavelet transform of distributions," *Rocky Mountain J. Math.*, (4),**51**(2021)1463-1488.

3. J.S. Maurya and S.K. Upadhyay, "The Bessel wavelet transform of distributions in β'_μ-space," *Int. J. Wavelets Multiresolut. Inf. Process.*, (4),**20**(2022), 2250001.

4. J.S. Maurya and S.K. Upadhyay, "Characterizations of the Inversion Formula of the Continuous Bessel Wavelet Transform of Distributions in $H'_\mu(\mathbb{R}^+)$", *Fractals: Complex Geometry, Patterns, and Scaling in Nature and Society.* (17 pages, Accepted).