

Research Work:

1. *Twisted spherical means in annular regions in  $\mathbb{C}^n$  and support theorems*, R. Rawat, R. K. Srivastava, **Ann. Inst. Fourier (Grenoble)**, **59** (2009), no. 6, 2509-2523
2. *Spherical means in annular regions in the  $n$ -dimensional real hyperbolic spaces*, R. Rawat, R. K. Srivastava, **Proc. Indian. Acad. Sci.** **121** (2011), no.3, 311-325
3. *Sets of injectivity for weighted twisted spherical means and support theorems*, R. K. Srivastava, **J. Fourier Anal. Appl.** **18**(3), (2012), no. 3, 592-608
4. *Real analytic expansion of spectral projection and extension of Hecke-Bochner identity*, R. K. Srivastava, **Israel J. Math.** **200** (2014), 1-22
5. *Coxeter system of lines and planes are sets of injectivity for the twisted spherical means*, R. K. Srivastava, **J. Funct. Anal.** **267** (2014) 352-383.
6. *Non-harmonic cones are sets of injectivity for the twisted spherical means on  $\mathbb{C}^n$* , R. K. Srivastava, **Trans. Amer. Math. Soc.** **368** (2016), no. 3, 1941-1957.
7. *Heisenberg uniqueness pairs for some algebraic curves in the plane*, Deb Kumar Giri, R. K. Srivastava, **Adv. Math.** **310** (2017), 993-1016
8. *Non-harmonic cones are Heisenberg uniqueness pairs for the Fourier transform on  $\mathbb{R}^n$* , R. K. Srivastava, **J. Fourier Anal. Appl.** **24** (2018), no. 6, 1425-1437
9. *Heisenberg uniqueness pairs on the Euclidean spaces and the motion group*, Arup Chattopadhyay, S. Ghosh, D. K. Giri, R. K. Srivastava, **C. R. Math. Acad. Sci. Paris** **358** (2020), no. 3, 365-377
10. *Heisenberg uniqueness pairs for the Fourier transform on the Heisenberg group*, S. Ghosh, R. K. Srivastava, **Bull. Sci. Math.**, Vol 166, February 2021, 102-941
11. *Benedicks-Amrein-Berthier theorem for the Heisenberg motion group*, S. Ghosh, R. K. Srivastava, **Bull. Lond. Math. Soc.** **54** (2022), no. 2, 526-539
12. *Heisenberg uniqueness pairs for the finitely many parallel lines with an irregular gap*, D. K. Giri, R. K. Srivastava, **J. Fourier Anal. Appl.** **28** (2022), no. 2, Paper No. 37, 17 pp.
13. *Boundedness and uniqueness of quaternion Weyl transform*, R. K. Dalai, S. Ghosh, R. K. Srivastava, **J. Pseudo-Differ. Oper. Appl.** **13** (2022), no. 2, Paper No. 21, 24 pp.
14. *Unbounded Weyl transforms on the Euclidean motion group and Heisenberg motion group*, S. Ghosh, R. K. Srivastava, **J. Operator Theory**, Vol. 90, Issue 2, 2023, pp. 605-623
15. *Qualitative uncertainty principle on certain Lie groups*, A. Chattopadhyay, D. K. Giri and R. K. Srivastava, **J. Aust. Math. Soc.**, 116 (2024), no. 3, 289-307 [DOI](#)
16. *Hilbert Transform in the Cartwright-de Branges space*, A. K. Bhardwaj, A. Chattopadhyay, J. Mashregi, R. K. Srivastava, **Operator Theory: Advances and Applications. Springer Nature.**, Pages 99-114, Online on 03 April, 2024 [DOI](#)
17. *Hilbert Transform, Nevanlinna Class and Toeplitz kernels*, A. K. Bhardwaj, J. Mashregi, R. K. Srivastava, **Complex Anal. Oper. Theory**, **18** (2024), no. 3, Paper No. 78 [DOI](#)

18. *Multiplier between generalized Toeplitz kernels*, Anjali, R. K. Srivastava. (submitted)  
DOI: [arXiv:2507.03452](https://arxiv.org/abs/2507.03452)
19. *Spherical means on Métivier groups and support theorem*, R. K. Dalai, S. Ghosh, R. K. Srivastava (submitted) DOI: [arXiv:2108.11744](https://arxiv.org/abs/2108.11744)
20. *Injectivity of the spherical mean operator on Métivier Group*, R. K. Dalai, R. K. Srivastava. (submitted) DOI: [arXiv:2108.12729](https://arxiv.org/abs/2108.12729)
21. *Multipliers between model spaces revisited*, A. K. Bhardwaj, A. Chattopadhyay, R. K. Srivastava, (under preparation)
22. *Some uniqueness results on model Spaces*, A. K. Bhardwaj, A. Chattopadhyay, R. K. Srivastava, (under preparation)
23. *Sampling and Interpolation for twisted Fock spaces*, Anjali, Arup Chattopadhyay, Sudipta Sarkar R. K. Srivastava (under preparation)
24. *Benedicks-Amrein-Berthier theorem for the quaternion Heisenberg group*, S. Ghosh, R. K. Srivastava, (submitted)
25. *Uniqueness sets for integral transform on rank one symmetric spaces*, Rupak K. Dalai, R. K. Srivastava. (under preparation)