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List of Publications

Research paper published in peer-reviewed journals:

[1] **Priyanka Rajput**, N. Srivastava and V. K. Singh, "A high order numerical method for the variable order time-fractional reaction-subdiffusion equation", **Chinese Journal of Physics**, Vol. 85 pages 431–444, 2023.
DOI: 10.1016/j.cjph.2023.07.002.

[2] **Priyanka Rajput**, N. Srivastava and V. K. Singh, "Higher order numerical algorithm for the variable order time-fractional Sub-Diffusion equation", **Iranian Journal of Science and Tecnology**, Vol. 49, pages 369-381, 2025.
DOI: https://doi.org/10.1007/s40995-024-01726-5.

[3] A.P. Singh, **Priyanka Rajput**, R.K. Maurya and V. K. Singh, "A High Order Stable Numerical Algorithms for Generalized Time-Fractional Deterministic and Stochastic Telegraph Models", **Computational and Applied Mathematics**, Vol. 161, pahes 244-274, 2021.
DOI: 10.1007/s40314-024-02900-6.

Research paper communicated in peer-reviewed journals:

[1] N. Srivastava, **Priyanka Rajput**, A. P. Singh and V. K. Singh, "Numerical algorithm for the multi-term time-fractional electromagnetic wave model arising in dielectric medium", Communicated.

[2] N. Srivastava, **Priyanka Rajput** and V. K. Singh, "Efficient Computational approach for solving time-fractional Black-Scholes Model governing European Options", Communicated.

[3] N. Srivastava, Y. Kumar, **Priyanka Rajput** and V. K. Singh, "Robust numerical algorithm for the time-fractional telegraph equation", Communicated.