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Research Interest: Integro Differential Equations

+ Journal Publication Details:

Kamlesh Kumar, Rajesh Kumar Pandey, and Farheen Sultana, Numerical Schemes with Convergence for Generalized Fractional Integro-Differential Equations, *Journal of Computational and Applied Mathematics*, **388 (2021) 113318**. (Elsevier). ISSN: 0377-0427 [SCI]

Rajesh Kumar Pandey, Shiva Sharma, and **Kamlesh Kumar**, Collocation Method for Generalized Abel's Integral Equations, *Journal of Computational and Applied Mathematics*, **302 (2016) 118-128**. (Elsevier). ISSN: 0377-0427 [SCI]

Kamlesh Kumar, Rajesh Kumar Pandey, and Shiva Sharma, Comparative Study of three Numerical Schemes for Fractional Integro-Differential Equations, *Journal of Computational and Applied Mathematics*, **315 (2017) 287-302**. (Elsevier). ISSN: 0377-0427 [SCI]

Kamlesh Kumar, Rajesh Kumar Pandey, Shiva Sharma, Numerical Schemes for the Generalized Abel's Integral Equations, *International Journal of Applied and Computational Mathematics*, **4 (2018) 4:68**. (Springer). ISSN: 2199-5796 [SCI]

Shiva Sharma, Rajesh Kumar Pandey, **Kamlesh Kumar**, Collocation method with convergence for generalized fractional integro-differential equations, *Journal of Computational and Applied Mathematics*, **342 (2018) 419-430**. (Elsevier). ISSN: 0377-0427 [SCI]

Kamlesh Kumar, Rajesh Kumar Pandey, Shiva Sharma, Approximations of Fractional Integrals and Caputo Derivatives with Application in Solving Abel's Integral Equations, *Journal of King Saud University-Science*, **31 (2019) 692-700**. (Elsevier). ISSN:1018-3647 [SCI]

Kamlesh Kumar, Rajesh Kumar Pandey, Shiva Sharma, Yufeng. Xu, Numerical Scheme with Convergence for Generalized Time-Fractional Telegraph-Type Equation, *Numerical Methods for Partial Differential Equations*, **35 (2019) 1164-1183**. ISSN:1098-2426 [SCI]

Shiva Sharma, Rajesh Kumar Pandey, **Kamlesh Kumar**, Galerkin and Collocation Methods for Weakly Singular Fractional Integro-differential Equations, *Iranian Journal of Science, Technology and Transaction A: Science* **43 (2019) 1649-1656**. (Elsevier). ISSN: 2364-1819 [SCI]

Kamlesh Kumar, Rajesh Kumar Pandey, Swati Yadav, Finite Difference Scheme for a Fractional Telegraph Equation with Generalized Fractional Derivative Terms, *Physica A: Statistical Mechanics and its Applications*, **535 (2019) 122271**. (Elsevier). ISSN:0378-4371 [SCI]

Swati Yadav, Rajesh Kumar Pandey, Anil Kumar Shukla, **Kamlesh Kumar**, High-order Approximation for Generalized Fractional Derivative and Its application, *International Journal of Numerical Methods for*

***Heat and Fluid Flow*, 29 (2019) 3515-3534. (Elsevier). [ISSN:0961-5539 \[SCI\]](#)**

Shiva Sharma, Prashant Kumar Pandey, Rajesh Kumar Pandey, **Kamlesh Kumar**, Bernstein's Approximation of Generalized Abel's Integral Equation with Application in Tomography, ***Compusoft, An International Journal of Advanced Computer Technology*, 8 (2019) 3021-3030, ICCMSO-2019 Conference.**

+ Conference Publications:

Shiva Sharma, Prashant Kumar Pandey, Rajesh Kumar Pandey, **Kamlesh Kumar**, Bernstein's Approximation of Generalized Abel's Integral Equation with Application in Tomography, ***Compusoft, An International Journal of Advanced Computer Technology*, 8 (2019) 3021-3030, ICCMSO-2019 Conference** [\[Scopus\]](#)