

Research Publications (SCI & SCOPUS):

- **Supriya Yadav**, Devendra Kumar, Jagdev Sing, Dumitru Baleanu, Analysis and dynamics of fractional order Covid-19 model with memory effect, *Results in Physics*, 24, 104017, 2021, **DOI:** <https://doi.org/10.1016/j.rinp.2021.104017>, **ISSN:** 2211-3797, **Impact Factor:** 4.019, **Publisher:** Elsevier **Source:** Science Citation Index & Scopus.
- **Supriya Yadav**, Devendra Kumar, Kottakkaran Sooppy Nisar, A reliable numerical method for solving fractional reaction-diffusion equations, *Journal of King Saud University-Science*, 33 (2), 101320, 2021, **DOI:** <https://doi.org/10.1016/j.jksus.2020.101320>, **ISSN:** 1018-3647 **Impact Factor:** 3.819, **Publisher:** Elsevier, **Source:** Science Citation Index & Scopus.
- D. K. Srivastava, R. R. Yadav and **Supriya Yadav**, Stokes flow around slowly rotating concentric pervious spheres, *The Archive of Mechanical Engineering*, vol. 60 (LX), no. 2, pp. 165-183, 2013. **DOI:** 10.2478/mec eng- 2013-0011, **ISSN:** 0004-0738, **Impact Factor:** 0.459, **Publisher:** Panstwowe wydawnictwo Naukowe, **Source-** Scopus.
- D. K. Srivastava, R. R. Yadav and **Supriya Yadav**, Creeping flow past rotating axisymmetric isolated body-class of deformed sphere, *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, vol. 37, Issue 4 , pp 1199-1215, 2015. **DOI:** 10.1007/s40430-014-0239-7. **ISSN:** 1678-5878, **Impact Factor:** 1.235, **Publisher:** Springer Heildeberg, **Source-** WoS & Scopus.
- D. K. Srivastava, R. R. Yadav and **Supriya Yadav**, Steady Oseen's flow past a deformed sphere: an analytic approach, *Journal of Theoretical and Applied Mechanics*, vol. 51, no. 3, pp. 661-673, 2013. **ISSN No.:** 1429-2955, **Impact Factor:** 0.822, **Publisher:** Polish Society of Theoretical & Applied Mechanics, **Source-** WoS & Scopus.
- D. K. Srivastava, R. R. Yadav and **Supriya Yadav**, Steady Stokes flow past dumbbell shaped axially symmetric body of revolution- an analytic approach, *Theoretical & Applied Mechanics*, vol. 39, No.3, pp. 255-289, 2012. **Publisher:** Serbian Society of Mechanics, **ISSN No.:** 1450-5584.

In The Peer Reviewed International Journals:

- D. K. Srivastava, R. R. Yadav and **Supriya Yadav**, Steady Stokes flow around deformed sphere: class of prolate axisymmetric bodies, *International Journal of Applied Mathematics and Mechanics*, vol.9, no.20, pp. 16-44, 2013.
- D. K. Srivastava, R. R. Yadav and **Supriya Yadav**, Steady Stokes flow around deformed sphere: class of oblate axisymmetric bodies, *International Journal of Applied Mathematics and Mechanics*, vol.8, no.9, pp. 17-53, 2012.

In The Proceeding of Conferences:

- D. K. Srivastava, R. R. Yadav and **Supriya Yadav**, Stokes flow around slowly rotating sphere with sink at its centre, *proceeding of the National Symposium on "Application of various techniques in fluid dynamics"*, pp. 217-224, 2011.