

Bio-sketch

Faculty Name: Dr. Lav Kush Kumar



Areas of Interest:

Applied Mathematics

Education

- Ph. D. (Mathematics), University of Lucknow, Lucknow, U. P., India.
- M. Sc. (Mathematics), C. S. J. M. University, Kanpur, U. P., India.
- B. Sc., University of Lucknow, Lucknow, U. P., India.

Academic/Industrial Experience

1. Assistant Professor, Department of Mathematics, BBDITM, Lucknow, 2016-Present.
2. Assistant Professor, Department of Mathematics, BBDNIIT, Lucknow, 2014-2016.

Selected Publications

1. **L. K. Kumar**, V. Yadav, J. Roy and R. R. Yadav, **2022** "Numerical Solution for Advection-Dispersion Equation with Uniform and Varying Boundary Conditions", Environmental and Earth Sciences Research Journal, Vol. 9, No. 4, pp. 133-138.
2. J. Roy, **L. K. Kumar**, V. Yadav and R. R. Yadav, **2021** "Two-Dimensional Solute Transport in a Semi-Infinite Porous Medium with Variable Dispersion and Groundwater Velocity", International Journal of Scientific Research in Mathematical and Statistical Sciences, Vol. 8(2), pp. 20-48.
3. R. R. Yadav and **L. K. Kumar**, **2020** "Two-Dimensional Solute Transport with Multiple Point Sources in Semi-infinite Porous Media", Tecnica Italiana-Italian Journal of Engineering Science, Vol. 64, No. 1, pp. 109-117.
4. R. R. Yadav and **L. K. Kumar**, **2019** "Solute Transport for Pulse Type Input Point Source along Temporally and Spatially Dependent Flow", Pollution, Vol.5, No.1, pp. 53-70.
5. Atul Kumar, **L. K. Kumar**, Shireen, **2018** Analysis of two-dimensional solute transport through heterogeneous porous medium", Journal of Applied Mathematics and Computation (JAMC), Vol. 2, No. 3, pp. 67-83.
6. **L. K. Kumar**, **2017** "An analytical approach for one-dimensional advection-diffusion equation with temporally dependent variable coefficients of hyperbolic function in semi-infinite porous domain" International Research Journal of Engineering and Technology, Vol. 4, No. 9, pp. 1454-1460.
7. G. K. Sharama, **L. K. Kumar** and N. K. Singh, **2016**. "Unsteady flow through porous media past on moving vertical plate with variable temperature In the presence of inclined magnetic field" International journal of innovative technology and research, Vol.4 (2), pp. 2784 -2788.