



Dr. Rakesh Kumar Singh

Assistant Professor

Department of Mathematics

School of Engineering

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1. ABOUT

Dr. Rakesh Kumar Singh working as an Assistant Professor in the Department of Mathematics at Dayananda Sagar University, Harohalli, Bengaluru since March 2023. Dr. Singh has completed his Ph.D (Mathematics) from IIT (ISM) Dhanbad, Jharkhand. Also, he completed M.Sc (Mathematics & Computing) and M.Phil (Applied Mathematics) from IIT (ISM) Dhanbad. He published 15 research papers in reputed SCI/SCOPUS indexed journals. He has 6 years of teaching experience at UG and PG levels of Science and Engineering courses. His areas of specialization are: Applied Mathematics, Fluid Dynamics.

2. RESEARCH INTERESTS

- Fluid Dynamics
- Groundwater Hydrology
- Modeling and Simulation of Solute Transport in Porous Media

3. ACADEMIC QUALIFICATIONS

- Ph.D. in Mathematics and Computing — IIT (ISM) Dhanbad, 2021
- M.Phil — IIT (ISM) Dhanbad, 2013
- M.Sc — IIT (ISM) Dhanbad, 2012

4. PROFESSIONAL EXPERIENCE

- Assistant Professor — Adamas University, Kolkata, Sept. 2021 – March 2023

5. RESEARCH HIGHLIGHTS

- Publications: 13
- Book Chapters: 2
- Reviewer/Editorial Activities: Reviewed for the Journals: Groundwater for Sustainable Development, Hydrological processes

6. SELECTED PUBLICATIONS

1. Vatsala G. A. Shilpa P., Nagaraj C., Singh, R.K., Lakshmi B. "Pressure Gradient-Influenced Two Dimensional Unsteady Boundary Layer Viscous Flow Over a Flat Plate", Boletim da Sociedade Paranaense de Mathematica, 44(4), pp.1-21, 2026.
2. Dhavalagimath, S. S., Rajesh, T. M., & Singh, R. K., "Design of an intelligent method for blur classification and adaptive restoration framework for robust aerial image deblurring operations", International Journal of Information Technology, 1-10, 2026.
3. Dhavalagimath, S.S., Rajesh, T.M., Singh, R.K., "Optimized feature refinement using a GAN-enhanced deep learning model with RBF-based aerial blurred image classification. Mathematical Modelling of Engineering Problems", 12(6), pp. 2139-2147, 2025.
4. Paul, T., Singh, R.K. and Mahato, N.K., "Fate and Transport of Solute with Temporally Varying Pulse Type Input Source under Sorption in Heterogeneous Porous Formation" Pollution, 10 (3), 915-928, 2024.
5. Radha, R, Singh, R.K. and Singh, M.K., "Pollutant dispersion with an intermediate source in a semi-infinite aquifer", Modeling Earth Systems and Environment, 10(1), pp 1077-109, 2024.

[Rakesh Kumar Singh - Google Scholar](#)

7. ACADEMIC PROFILES

- Google Scholar: [Rakesh Kumar Singh - Google Scholar](#)
- ORCID: <https://orcid.org/0000-0003-3830-0327>
- Scopus: 57197730250
- ResearchGate: https://www.researchgate.net/profile/Rakesh-Singh-21?ev=hdr_xprf

8. CONTACT

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