



Dr. Rahul Sharma

Assistant Professor, Mathematics,
IcfaiTech

Profile

A dedicated mathematics educator and researcher with 14 years of experience in higher education, specializing in Special Functions and Fractional Calculus. Holds a Ph.D. in Mathematics from Amity University Rajasthan and an M.Sc. in Industrial Mathematics and Informatics from IIT Roorkee. Author of over a dozen peer-reviewed research papers (SCI/Scopus/ESCI) and two published patents, with proven leadership as Head/Coordinator of Mathematics departments. Committed to fostering an inclusive learning environment through innovative instruction and active research mentorship.

Education

- **Ph.D. in Mathematics (2019–2023)** – Amity University Rajasthan, Jaipur. Thesis: Investigation on Generalized Hypergeometric Function of Scalar and Matrix Argument.
- **M.Sc. Industrial Mathematics and Informatics (2010–2012)** – Indian Institute of Technology Roorkee.
- **B.Sc. Mathematics, Physics, Chemistry (2006–2009)** – Chhatrapati Shahu Ji Maharaj University, Kanpur.

Employment History

- **Sep 2025 – Present:** Assistant Professor, Faculty of Science and Technology, IcfaiTech, The ICFAI University, Jaipur; Coordinator, Mathematics Department.
- **Oct 2023 – Aug 2025:** Associate Professor & Head, Department of Mathematics, University of Engineering and Management, Jaipur.
- **Jul 2014 – Sep 2023:** Assistant Professor, University of Engineering and Management, Jaipur; Head, Department of Mathematics (2016–2023).
- **2012 – 2014:** Assistant Professor, Arya College of Engineering and I.T., Jaipur.

Research & Expertise

Special Functions and Fractional Calculus. Teaches Probability and Statistics, Numerical Analysis, Linear Algebra, Differential Equations, Discrete Mathematics, Operations Research, Real and Complex Analysis, and Biomathematics.

Selected Publications & Patents

- Some New Results on ψ -Natural Transform and Its Application in Electric Circuits with ψ -Caputo Fractional Derivatives, Complex Anal. Oper. Theory (2026), SCI.
- Conformable Fractional Inverse Rayleigh Distribution, Bol. Soc. Paran. Mat. (2026), Scopus & WoS.
- Analysis of Some Unified Integral Equations of Fredholm Type Associated with Multivariable Incomplete H and I-Functions, AAM Journal (2024), ESCI.

- On the Certain Properties and Results of Incomplete Generalized Hypergeometric Functions with Matrix Argument, J. Comp. Anal. & Appl. (2024), Scopus.
- Patents: AI-Driven Mathematical Predictive Modeling System for Strategic Analysis of Missile Warfare (2026); System and Method for Analyzing Caputo Fractional Derivatives of Incomplete Aleph Functions (2024) — both published, Indian Patent Office.

12+ peer-reviewed journal papers, 2 book chapters, and 3 conference papers published between 2021–2026 (full list available on request).

Memberships & Professional Links

Managing Editor, Cognitive Thinking: An International Journal of Interdisciplinary Studies. Member, Global Network Alumni IITR.

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