



# Dr. Rajbala



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## Profile

I, **Dr. Rajbala**, presently serving as an assistant professor of Mathematics at **IcfaiTech, The ICFAI University, Jaipur**. I have completed my **Doctoral Studies** in Mathematics from the **Central University of Rajasthan** in 2020. My research specialization lies in Complex Analysis, Geometric Function Theory, Harmonic Mappings, and Special Functions, Harmonic and Univalent mappings, including coefficient problems and estimates, subordination and related techniques.

My research work has been published in reputed international journals, including the **Asian-European Journal of Mathematics**, **Problemly Analiza – Issues of Analysis**, **Journal of Classical Analysis**, **The Journal of Analysis**, and **Kyungpook Mathematical Journal**.

Alongside, my research and teaching responsibilities, I am contributing to academic administration and coordination in role as **Deputy Academic Coordinator** at ICFAI University, Jaipur.

I am devoted to teaching undergraduate mathematics courses, coordinating academic activities and supporting smooth academic operations, assisting in academic planning, coordination, and implementation, facilitating coordination among faculty members, students, and academic administration, contributing to curriculum-related and academic development activities, student mentoring and academic guidance, while continuing my active research in Complex Analysis, Geometric Function Theory, Harmonic Mappings, and Special Functions.

## Research Publications:

1. **Rajbala, J. K. Prajapat**, [Harmonic mappings with fixed analytic part](#), [Problemly Analiza-Issues of Analysis](#), 28(2021), 69-86 (Web of Science-ESCI, Scopus).
2. **Rajbala** and J. K. Prajapat, [On a subclass of close-to-convex harmonic mappings](#), [Asian-European Journal of Mathematics](#), 14(6)(2021), 2150102 (Web of Science-ESCI, Scopus).
3. **Rajbala** and J. K. Prajapat, [Hardy Spaces of Certain Convolution Operator](#), [Kyungpook Mathematical Journal](#), 60(2020), 127-132 (Web of Science-ESCI, Scopus).
4. J. K. Prajapat and **Rajbala**, [Bounds on coefficients and Third Hankel determinants for a class of analytic functions related with certain conic domain](#), [Journal of Classical Analysis](#), 15(2)(2019), 61-69.

