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**BIOCONVECTIVE STUDY ON FLOW ANALYSIS OF THE MHD FALKNER-
SKAN FLOW OF WILLIAMSON NANOFUID WITH GYROTATIC
MICROORGANISM PAST A WEDGE**

AFSAR HOSSAIN SARKAR

Research Scholar, Department of Mathematics,
Dr. A.P.J. Abdul Kalam University, Indore, M.P.

ABSTRACT

These days, numerous hypothetical models are accessible for dissecting properties of moves through various calculations. Our point is to consider the MHD limit layer Falkner Skan flow of Williamson nanofluid stream with gyrotactic microorganisms containing in it. The wedge is moving and Brownian development, thermophoretic occasion have been thinking about building the streaming model. Reasonable dimensionless closeness variable has been acquainted with computing the displaying mathematically utilizing Runge Kutta technique with secant scheme of arrangement. Our findings have been illustrated through fitting diagrams and graphs. To quantify the relationship between the streaming factor and the actual estimations of the stream we assess the connection and assurance coefficients. We've discovered a phenomenal level of relationship between the components and the stream execution.

Keywords: MHD Boundary Layer Flow; Bioconvection; Gyrotactic Microorganism; Falkner Skan Flow; Brownian Motion; Thermophoresis; Wedge; Williamson Nanofluid.