CERTAIN FAMILY OF FRACTIONAL ORDER MULTIVALENT FUNCTIONS ASSOCIATED WITH SUBORDINATION

PRAVIN GANPAT JADHAV
Research Scholar, Shri J.J.T. University,
Jhunjhunu, Rajasthan, India
Assistant Professor in Mathematics,
Hon. Balasaheb Jadhav Arts, Commerce and Science
College, Ale, Pune (M.S.), India

Abstract

There are many subclasses of multivalent functions. The objective of this paper is to introduce new class of multivalent functions associated with subordination. We have attempted to obtain basic properties, weighted mean, arithmetic mean and linear combination and other related results for the class $\mathcal{HB}(A, B, \beta, \delta)$.

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Key Words : *Multivalent function, Radius of starlikeness, Subordinate, Close to convex, Weighted mean and Arithmetic mean.*