

International J. of Pure & Engg. Mathematics (IJPEM)
ISSN 2348-3881, Vol. 2 No. III (December, 2014), pp. 1-12

ON A CLASS OF MEROMORPHICALLY MULTIVALENT FUNCTIONS BY LINEAR OPERATOR

RAHULKUMAR DIPAKKUMAR KATKADE

Research Scholar,
Shri. Jagdishprasad Jhabarmal Tibrewala University,
Jhunjhunu, Rajasthan, India

Abstract

In this paper we attempt to give the various important properties of this new subclass $\Sigma_p^*(q, s, \alpha_1, \sigma, \gamma)$, like, coefficient inequality, convex set, growth and distortion bounds. Also derive some interesting results of our class like integral representation, neighborhoods of the class $\Sigma_p^*(q, s, \alpha_1, \sigma, \gamma)$, radii of starlikeness and convexity.

Key Words : *Meromorphic multivalent function, Linear operator, Generalized hypergeometric function.*

AMS Subject Classification : 30C45, 30C50.

© <http://www.ascent-journals.com>