Jana, Ranjan Kumar; Maheshwari, Bhumika; Shukla, Ajay Kumar
Generating functions for the extended Wright type hypergeometric function. (English)

Summary: In recent years, several interesting families of generating functions for various classes of hypergeometric functions were investigated systematically. In the present paper, we introduce a new family of extended Wright type hypergeometric function and obtain several classes of generating relations for this extended Wright type hypergeometric function.

MSC:
33B15 Gamma, beta and polygamma functions
33B99 Elementary classical functions
33C05 Classical hypergeometric functions, \( _2F_1 \)
33C20 Generalized hypergeometric series, \( _pF_q \)

Keywords:
generating functions; gamma and beta functions; hypergeometric functions; Wright type hypergeometric function; linear; bilinear and bilateral (or mixed multilateral) generating functions

Full Text: DOI Link