



**S.K.Q. Alomari** (shrideh2001@yahoo.co.in, and s.k.q.alomari@fet.edu.jo), Department of Applied Sciences, Faculty of Engineering Technology, Al-Balqa Applied University, Jordan, *On the distributional Mellin transformation and its extension to Boehmian spaces.*

ABSTRACT. A classical theory of a mellin transform is extended to a generalized function space which is a dual of a testing function space developed by the A.H.Zamanian . A support of a generalized Mellin transform is obtained on behalf of two characterization theorems . Adopting the concept of Boehmian space , basic general definitions and theorems of a Mellin transform of a tempered Boehmian were obtained.