

1086-VI-1434      **Ahmad M Alzagal\*** (alzag1am@cmich.edu), Central Michigan University, Mount Pleasant, MI 48859. *Exponentiated Weibull-Exponential Distribution: Some Properties and Applications.*

A new family of distributions called exponentiated T-X distribution is defined. A member of the family, namely, the Exponentiated Weibull-Exponential distribution is defined and studied. Some of its properties including distribution shapes, special cases, moments, modes, entropy, skewness and kurtosis are discussed. Applications to real world data are also provided. (Received September 21, 2012)