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**Minh Van Nguyen\*** (mvnguyen1@ualr.edu), Department of Mathematics and Statistics,  
University of Arkansas at Little Rock, 2801 S University Ave, Little Rock, AR 72113. *Monotone  
traveling waves in a general discrete model for populations.*

In this talk we consider the existence of monotone traveling waves for a class of general integral difference model for populations that allows the dispersal probability to have no continuous density functions but the fecundity functions to generate a monotone dynamical systems. In this setting we deal with the non-compactness of the evolution operator by using the monotone iteration method. This is a joint work with Le Manh Thuc. (Received July 07, 2017)