

**Abstract:** This paper deals with the existence of traveling waves for a discrete model of biological population with sessile stages. We discuss the existence of traveling waves when the migration probability may not have density, or if it has density function, the density function may not be continuous. For this end, we impose some conditions that guarantee the monotone property of the evolution operator, so that we use the Monotone Iteration Method.

**Keywords:** Discrete population model, spreading speed, Traveling wave solution , integrodifference equation.