1107-39-128   **H. Sedaghat*** (`hsedagha@vcu.edu`), Department of Mathematics, 1015 Floyd Ave, Harris Hall, Virginia Commonwealth University, Richmond, VA 23284-2014, and **N. Lazaryan**. *Global Dynamics of Discrete Planar Systems that Model Stage-structured Populations.* Preliminary report.

We discuss a system of two nonlinear difference equations as an abstraction of some commonly known, stage-structured population models. In particular, we show that with the well-known Ricker function for a vital rate such a model is capable of generating chaotic orbits as well as multiple periodic and aperiodic orbits that can be reached from different initial points. (Received January 09, 2015)