A PRESIC TYPE COMMON FIXED POINT RESULT IN METRIC SPACES

Madalina PACURAR

Department of Statistics, Analysis, Forecast and Mathematics, Faculty of Economics and Bussiness Administration, "Babes-Bolyai" University of Cluj-Napoca, 56-60 T. Mihali St., 400591 Cluj-Napoca ROMANIA

Abstract. The existence of coincidence points and common fixed points for mappings satisfying a Presic type condition in metric spaces is proved. A multi-step iterative method for constructing the common fixed points and its rate of convergence are also provided. This is a generalization of several fixed point and common fixed point results in literature.