

Abstract

The purpose of this research is to present some new modified hybrid iterative schemes by using the generalized projection operators and the generalized f -projection operators for finding a common element in the set of fixed points of mappings, zeroes of maximal monotone operators and solutions of equilibrium problems in Banach spaces. Under suitable conditions, we prove some strong convergence theorems for the proposed schemes in Banach spaces. The results presented in this research are improvement and generalization of the previously known results.