COMMON FIXED POINT THEOREMS FOR MULTIVALUED MAPPINGS IN $\mathcal{M}$-FUZZY METRIC SPACE

T. VEERAPANDI[1], G. UTHAYA SANKAR[2] AND A. SUBRAMANIAN[3]

[1] Department of Mathematics, P.M.T. College,
Melaneelithanallur - 627953, India
E-mail: tveerapandi@ymail.com
[2] Department of Mathematics,
Mano College (An Institution of M. S. University, Tirunelveli),
Sankarankovil - 627756, India
E-mail: uthayaganapathy@yahoo.com
[3] Department of Mathematics, The M.D.T. Hindu College,
Tirunelveli - 627010, India
E-mail: asmani1963@gmail.com

Abstract

In this paper we prove some common fixed point theorems for multi-valued mappings in complete $\mathcal{M}$-fuzzy metric space.