International J. of Math. Sci. & Engg. Appls. (IJMSEA) ISSN 0973-9424, Vol. 7 No. IV (July, 2013), pp. 187-204

## COMMON FIXED POINT THEOREMS FOR MULTIVALUED MAPPINGS IN M-FUZZY METRIC SPACE

T. VEERAPANDI<sup>1</sup>, G. UTHAYA SANKAR<sup>2</sup> AND A. SUBRAMANIAN<sup>3</sup>

 <sup>1</sup> Department of Mathematics, P.M.T. College, Melaneelithanallur - 627953, India E-mail: tveerapandi@ymail.com
<sup>2</sup> Department of Mathematics,
Mano College (An Institution of M. S. University, Tirunelveli), Sankarankovil - 627756, India E-mail: uthayaganapathy@yahoo.com
<sup>3</sup> 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.

Key Words and Phrases : Complete *M*-fuzzy metric space, Common fixed point. 2000 AMS Subject Classification : 47H10, 54H25..

© http://www.ascent-journals.com