

International J. of Math. Sci. & Engg. Appls. (IJMSEA)
ISSN 0973-9424, Vol. 5 No. III (May, 2011), pp. 97-115

**COMMON FIXED POINT THEOREMS SATISFYING A
CONTRACTIVE CONDITION OF INTEGRAL TYPE IN
 ϵ -CHAINABLE FUZZY METRIC SPACE**

R. K. SAINI, B. SINGH, M. KUMAR AND A. SHARMA

Abstract

In this paper, we obtain a fixed point theorems for reciprocally continuity satisfying a contractive condition of integral type in fuzzy metric space. Our results generalize the theorem of Aliouche [2], Kutukcu and Sharma [13] and several other theorems on fuzzy metric space.

Key Words : *Fuzzy Metric Space, Reciprocal Continuity, Common Fixed Point, ϵ -Chainable.*

1990 Mathematics Subject Classification : 47H10, 54H25.

©Ascent Publication House: [http:// www.ascent-journals.com](http://www.ascent-journals.com)