

A COMMON FIXED POINT THEOREM OF COMPATIBLE MAPPING OF TYPE (A-1) IN COMPLETE FUZZY METRIC SPACE

ANKITA TIWARI¹, VANDANA GUPTA², SANDEEP K. TIWARI³ & ARIHANT JAIN⁴

¹School of Studies in Mathematics, Vikram University, Ujjain, Madhya Pradesh, India

²Department of Mathematics, Professor & Head, Govt. Kalidas Girls College, Ujjain, Madhya Pradesh, India

³Reader, School of Studies in Mathematics, Vikram University, Ujjain, Madhya Pradesh, India

⁴Department of Applied Mathematics, Shri Guru Sandipani Institute of Technology and Science, Ujjain,
Madhya Pradesh, India

ABSTRACT

In this paper we prove some common fixed point theorems for compatible mappings of type (A-1) in complete fuzzy metric space our result improves the result of Khan, M.S. [8].

KEYWORDS: Compatible Mappings, Compatible Mappings of Type (A), Compatible Mappings of Type (A-1), Common Fixed Point, Complete Fuzzy Metric Space, Fuzzy Metric Space