

## FIXED POINT THEOREM IN Menger SPACE FOR WEAKLY SEMI-COMPATIBLE MAPPINGS

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### ABSTRACT

In this paper, the concept of weakly semi-compatibility and weak compatibility in Menger space has been applied to prove a commonly fixed point theorem for six self-maps. An example has also given to support the result.

**KEYWORDS:** Probabilistic Metric Space, Menger Space, Common Fixed Point, Compatible Maps, Weakly Semi-Compatible Maps, Weak Compatibility. *F* Type (A), Fuzzy Metric Space, AMS Subject Classification: Primary 47H10, Secondary 54H25

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### Article History

Received: 28 Feb 2019 | Revised: 04 Mar 2019 | Accepted: 16 Mar 2019

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