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*Erratum*

# Erratum to "Common Fixed Point Theorems in Modified Intuitionistic Fuzzy Metric Spaces"

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On critical examination of the results given in our paper entitled "*Common fixed point theorems in modified intuitionistic fuzzy metric spaces*," we notice one crucial error. We need to carry out the following correction.

Example 22 given in the paper is wrong as follows.

None of the maps in $A$, $B$, $S$, and $T$ is continuous. Therefore, all conditions of Theorem 20 are not satisfied.

Hence, Example 22 in the paper is replaced by the below example.

*Example* 22. Let $X = [0, \infty)$ and for each $t > 0$, define

$$\zeta_{M,N}(x, y, t) = \left(\frac{t}{t + |x - y|}, \frac{|x - y|}{t + |x - y|}\right) \quad \forall x, y \in X. \tag{22}$$

Then $(X, \zeta_{M,N}, \mathcal{T})$ is a complete modified intuitionistic fuzzy metric space. Let $A$, $B$, $S$, and $T$ be self-maps on $X$ defined as: $Ax = Bx = 3x/4$ and $Sx = Tx = 2x$ for all $x \in X$. Clearly,

(i) the pairs $\{A, S\}$ and $\{B, T\}$ are continuous self-mappings on $X$;

(ii) $A(X) \subseteq T(X)$, $B(X) \subseteq S(X)$;

(iii) $\{A, S\}$ and $\{B, T\}$ are $R$-weakly commuting pairs as both pairs commute at coincidence points;

(iv) $\{A, S\}$ and $\{B, T\}$ satisfy inequality (5) for all $x, y \in X$, where $k \in (0, 1)$ and $\alpha = 1$.

Hence, all conditions of Theorem 20 are satisfied and $x = 0$ is a unique common fixed point of $A$, $B$, $S$, and $T$.