

**SOME FIXED POINT RESULTS IN CONE A_b -METRIC SPACE OVER
BANACH ALGEBRAS WITHOUT ASSUMPTION OF NORMALITY**

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ABSTRACT. In this manuscript, we give definition of cone A_b -metric space over Banach algebras with coefficient b and prove Hardy-Rogers type theorem [5], Banach type theorem [2], Kannan type theorem [9], Chatterjea type theorem [3] and Zamfirescu type theorem [20] in cone A_b -metric space over Banach algebras without assumption of normality. Our results improve and extend some main results in literature.

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