

**CERTAIN RESULTS ON $N(\kappa)$ -CONTACT METRIC MANIFOLDS
WITH CONFORMAL RICCI SOLITONS**

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ABSTRACT. In the present paper, we have studied conformal Ricci solitons on $N(\kappa)$ -contact metric manifolds. Also we have studied second order parallel tensor, conformal gradient Ricci solitons in $N(\kappa)$ -contact metric manifolds. We have also proved that, there does not exist conformal Ricci soliton in an $N(\kappa)$ -contact metric manifold. Finally, we give an example.

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