

## **RICCI SOLITONS IN CONTACT GEOMETRY**

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**Abstract:** A Ricci Soliton is a generalization of an Einstein metric. Ricci Solitons on a Riemannian manifold have been studied by several authors such as Hamilton, Ivey, Derdzinski and many others. In 2008, R. Sharma started the study of Ricci Solitons in K-Contact manifolds. Also in 2009, Ghosh, Sharma and Cho studied gradient Ricci Solitons in a  $(k, \mu)$ -Contact metric manifold.

In the present talk, I will discuss about Ricci Solitons and gradient Ricci Solitons in Kenmotsu manifolds, 3-dimensional Normal Almost Contact Metric manifolds and 3-dimensional Trans-Sasakian manifolds.