

**A STUDY OF SOLITONS ON PARA-SASAKIAN MANIFOLDS WITH
RESPECT TO A METRIC CONNECTION**

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ABSTRACT. The objective of the present paper is to study Ricci soliton, η -Ricci soliton and Yamabe soliton with respect to a metric connection on para-Sasakian manifold. Moreover, the paper concerns with the study of Ricci soliton and Yamabe soliton with torse forming vector fields on para-sasakian manifold admitting the metric connection.

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