**Title:** On a generalization of contact metric manifolds

**Author(s):** Luigia Di Terlizzi

We consider a metric $f$-structure on a manifold $M$ of dimension $2n+s$ and suppose that its kernel is parallelizable. We give a sufficient condition for such a structure to be an $\mathcal{S}$-structure, that is a generalization of the Sasakian structure. Then we prove some identities for the Ricci operator. We exhibit also some examples.

**Address:**
Luigia Di Terlizzi
Dipartimento di Matematica
Università di Bari
Via Orabona 4, 70125 Bari
Italy