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Research Details :

Research Title	: <u>هندسة عديتات الطيَّات الجزئية لنموذج فضاء ساساكين المعمَّم</u>
Descriptipn	: In [1] P. Alegre, D. Blair and A. Carriazo introduced and studied the generalized Sasakian space form which is a natural generalization of a Sasakian space form. They gave some examples of these manifolds and proved some basic properties. Recently, R. Al-Ghefari, F. Al-Solamy and M. Shahid [2, 3] studied the CR-submanifolds and contact CR-warped product submanifolds in generalized Sasakian space forms. The aim of this thesis is to give a detailed presentation of some of the most important results in the field. We studied the sectional curvature, Ricci tensor and scalar curvature of the CR-submanifolds. We also discussed the contact CR-warped product submanifold in Sasakian manifolds, Sasakian space forms, Kenmotsu space form, almost C-? manifold with constant ?-sectional curvature and in generalized Sasakian space forms. Moreover, in the last chapter we have obtained some new results on the semi-slant warped product submanifolds of a generalized Sasakian space form
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