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Document Title	: _GEOMETRY OF SUBMANIFOLDS OF S-MANIFOLDS_

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هندسة عديدات الطيات الجزئية لعديد الطيات من النوع S

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Abstract : The Riemannian manifold theory is the heart of the modern differential geometry since it has many important applications in physics and some other branches of Sciences. Based on the above perspectives, the present thesis focus on the study of CR-submanifold of an S-manifold, which is considered as moderen extensions of Riemannian manifold theory, and also it is very intresting topic for study and research. Since Sasakian manifold is an especial case of an S-manifold, so for background we studied extensively CR-submanifold of Sasakian manifold and discussed integrability conditions of distributions, sectional curvature, Ricci tensor and scalar curvature and their properties. Furthermore, we studied comprehensively some theories and properties of CR-submanifold of an S-manifold, which is considered as generalizations of the matter mentioned above. Finally we defined CR-submanifold of an S-manifold as M. Kobayashi defined CR-submanifold of a Sasakian manifold. Based on that definition, we studied integrability conditions of distributions, sectional curvature, Ricci tensor and scalar curvature and we obtained many interesting new results related to the mentioned matters

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