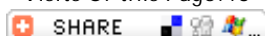- MainPage
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Research Details :

Research Title	: *On geometry of CR-Submanifolds of almost Contact Metric Manifolds*
	حول هندسة عديدات الطيات الجزئية من نوع كوشي ريمان لعديدات الطيات من النوع المتلامس المتري تقريباً
Descriptipn	: The Riemannian manifold theory embodies Differential Geometry science. Moreover, It has many important applications in Physics and some other branches of sciences. Based on the above perspectives, the present thesis dealt with CR-submanifold of selected types of almost contact metric manifolds, which are considered as modern extensions of Riemannian manifold theory, and very fruitful fields for study and research. 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 trans-Sasakian manifold and nearly trans-Sasakian manifold, which are considered as generalizations of the matter mentioned above. Finally, we studied the sectional curvature of CR-submanifold of Kenmotsu space form and obtained some new results related to its Ricci tensor and scalar curvature
Research Type	: Master
Research Year	: 2005
Publisher	: KAAU
Supervisor	: د. فالح رجاءالله السلمي
Added Date	: Wednesday, June 11, 2008

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