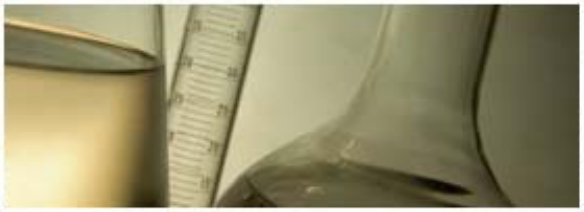

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Research Details :

Research Title	:	*Geometry of tangent bundles of some almost hermition manifolds* *حول هندسة الانغمار لعديدات الطيات الجزئية من نوع كوشي ريمان*
Descriptipn	:	The theory of Riemannian submersion goes back to four decades when B. ONeill [28] and A. Gray [21] independently, formulated the basis of such theory, which has hugely been developed in the last two decades. Nowadays several works are still in progress. In the present thesis we analyzed Riemannian submersions discussing the main properties of invariant tensors T, A and relating the Riemannian curvature of the total space, base space and the fibers . Also, we discussed the properties of invariant tensors T, A and relating the holomorphic bisectional curvature and holomorphic sectional curvature of the total space, base space and the fiber of Riemannian submersion of almost Hermitian and almost contact manifolds. Moreover, we study the Riemannian submersion of CR-submanifolds of almost Hermitian manifold. Submersion of CR-submanifold was introduced by S. Kobayashi [25] . Finally, we obtain some results on submersion of CR-submanifold of trans-Sasakian manifold
Research Type	:	Master
Research Year	:	2006
Publisher	:	KAAU
Supervisor	:	د. محمد حسن شاهد
Added Date	:	Wednesday, June 11, 2008

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