It is known that the product of two Sasakian manifolds carries a 2-parameter family of Hermitian structures $(J_{a,b}, g_{a,b})$. In this poster we will prove that $J_{a,b}$ is harmonic with respect to $g_{a,b}$ (i.e. it is a critical point of the Dirichlet's Energy functional $\int_M ||\nabla J||^2 \operatorname{vol}_g$) and we will investigate under which conditions these Hermitian structures are locally conformally Kähler, balanced, strong Kähler with torsion, Gauduchon or k-Gauduchon ($k \geq 2$). Moreover, we will study the Bismut connection associated to $(J_{a,b}, g_{a,b})$ and we will provide formulas for the associated Bismut-Ricci tensor Ric^B and the Bismut-Ricci form ρ^B. We will show that these tensors vanish if and only if each Sasakian factor is η-Einstein with appropriate constants and we will also exhibit some examples fulfilling these conditions, thus providing new examples of Calabi-Yau with torsion manifolds. This poster is based on this preprint.