Ever-increasing demand of energy without degrading the environment has always been concern of scientific community. It is therefore important to go for reliable, cost effective and everlasting renewable energy source, and thus extraction of maximum thermal energy from solar energy is the most promising challenge. Based on the recent investigations, this paper gives a comprehensive overview about the use of Nanofluid as working fluid for enhancing the solar concentrating collector performance and efficiency. Advantages of Hybrid Nanofluids are identified. This review reveals that the application of Nano fluid increases the efficiency of the solar collectors due to its excellent performance.