

## Ocean renewable energy

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### **Abstract**

Too much attention to the hazards of climate change increases the global interest in research and development of renewable energy technologies. On the other words, oceans have a wide range of potential of energy, and the related investments are growing as the technologies of renewable energy develop. Research on ocean thermal energy conversion, offshore wind energy, wave energy, tidal energy, and commercial expansion has led to useful technologies. The potential of these resources helps to reduce the risk of global climate change, but the ocean environment must be protected against these technologies development. In fact, if the projects are properly defined and put in appropriate places, and the environmental guidelines are followed correctly, the ocean renewable energy resources may be utilized without destructive damaging in the marine environment. This paper tries to investigate the available technologies for the renewable energy in the ocean and their status in the world.