

## عنوان مقاله:

INVESTIGATION AND FEASIBILITY STUDY OF EXTRACTING WAVE POWER IN NORTHERN AND SOUTHERN  
SEA WATERS OF IRAN

## محل انتشار:

دهمین همایش بین المللی سواحل، بنادر و سازه های دریایی (سال: 1391)

تعداد صفحات اصل مقاله: 14

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## خلاصه مقاله:

Oceans are of important sources of energy. Each country, in case of having access to vast water resources and utilizing them efficiently, could have part of its demanded energy gained from seas. In this study, the average extractable power from waves in Iranian shores are estimated to be 20 m KW of which 6 m KW is extractable from northern and 14 m KW from southern coasts and a comparison is done between extractable energy amount of Iran and that of Turkey. Also the conformity of estimated amounts with the estimation of energy levels distribution around the world has been taken as a proof for the validity of results. In this article, wave energy density is calculated for 10 coastal areas of Iran and the best locations for installation of convertors are proposed. In addition, through calculation and comparison of density for both wave and wind energy in these areas, the advantage of using wave energy over other sources, like wind, is investigated. Finally, to utilize these big energy sources, we propose convertors for different areas considering wave specification, water depth and other important parameters in each location

## کلمات کلیدی:

Wave power, Iran's waves energy, Wind power density, Wave power density, Wave energy convertor

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/184427>

