

# Global Research Benchmarking System

- ❑ Conducted by the Center for Measuring University Performance (a US cooperation) and the International Institute for Software Technology of The United Nations University
- ❑ It covers 250 science disciplines, one of which is Ocean Engineering

The ranking criterion is a weighted bibliometric indicator containing

- ❑ Total publication volume
- ❑ Share of publications in high impact journals (10% & 25% highest impact journals)
- ❑ Total citation volume
- ❑ Share of citations in high impact journals (10% & 25% highest impact journals)
- ❑ 4-year h-index (Hirsch index)

*A scientist (or group) has index  $h$  if  $h$  of his/her  $N_p$  papers have at least  $h$  citations each, and the other  $(N_p - h)$  papers have no more than  $h$  citations each.*

# Ocean Engineering

## Ranking based on scientific publications in Scopus 2008-2011

Rank	University	Country	Relative ranking criterion
1	The Norwegian University of Science and Technology	Norway	1.000
2	Technical University of Lisbon	Portugal	0.916
3	Delft University of Technology	Netherlands	0.906
4	National University of Singapore	Singapore	0.903
5	University of California - San Diego	United States	0.874
6	University of Western Australia	Australia	0.859
7	Technical University of Denmark	Denmark	0.853
8	Southeast University	China	0.828
9	Nanyang Technological University	Singapore	0.779
10	University Michigan - Ann Arbor	United States	0.748
11	The University of Plymouth	United Kingdom	0.741
12	Massachusetts Institute of Technology	United States	0.729
13	University of Texas – Austin	United States	0.724
14	Colorado State University	United States	0.718
15	University of Wisconsin – Madison	United States	0.712

- ❑ 49 universities have published more than 50 scientific papers in this period in the field of Ocean Engineering

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Ranking based on scientific publications in Scopus 2008-2011

Rank	University	Country	Relative ranking criterion
16	Imperial College	United Kingdom	0,691
17	Texas A&M University	United States	0,688
18	National Technical University of Athens	Greece	0,683
19	Virginia Polytechnic Institute and State University	United States	0,636
20	National Cheng Kung University	Taiwan, Province of China	0,604
21	University of Hawaii at Manoa	United States	0,593
22	The University of Southampton	United Kingdom	0,592
23	Kyoto University	Japan	0,574
24	Tongji University	China	0,564
25	The University of Glasgow	United Kingdom	0,564
26	Zhejiang University	China	0,556
27	Seoul National University	South Korea	0,533
28	University of New South Wales	Australia	0,519
29	Tsinghua University	China	0,513
30	National Taiwan Ocean University	Taiwan, Province of China	0,506
31	Indian Institute of Technology, Madras	India	0,496
32	Ocean University of China	China	0,494

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Ranking based on scientific publications in Scopus 2008-2011

Rank	University	Country	Relative ranking criterion
33	Osaka University	Japan	0,49
34	National Taiwan University	Taiwan, Province of China	0,489
35	Pusan National University	South Korea	0,487
36	Shanghai Jiaotong University	China	0,47
37	Memorial University of Newfoundland	Canada	0,469
38	University of Tokyo	Japan	0,469
39	Tianjin University	China	0,456
40	Hohai University	China	0,388
41	Harbin Engineering University	China	0,387
42	Kyushu University	Japan	0,384
43	Northwestern Polytechnical University	China	0,324
44	Dalian Maritime University	China	0,312
45	Harbin Institute of Technology	China	0,284
46	Huazhong University of Science and Technology	China	0,256
47	Korea Maritime University	South Korea	0,23
48	Wuhan University of Technology	China	0,188
49	Naval University of Engineering	China	0,074

# Publications of CENTEC in Ocean Engineering

Publications of the Technical University of Lisbon in the Ranking for the period 2008 to 2011 = 155 publications

Using WEB of SCIENCE database and searching by  
"Instituto Superior Técnico"  
+ "Engineering Ocean"  
+ "Engineering Marine"

Results 2008 to 2011 = 152 publications  
CENTEC published 78% of IST papers

Results 2010 to 2014 = 174 papers  
CENTEC published 88% of IST papers

