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The Center of Excellence for Water

Apply	Scholarships Program to study Water Engineering	برنامج المنح الدراسية في مجال هندسة المياه
Apply	Research Grants to study Water Engineering - call for proposal , research work program	منح مشروعات بحثية في مجال هندسة المياه
Apply	Workshops Calls for Water Engineering	إعلانات ورش العمل في مجال هندسة المياه
Apply	Semester Abroad Calls for (Graduate Students MSc / PhD or Faculty members) exchange at US universities	اعلانات تبادل طلاب الدراسات العليا / أعضاء هيئة التدريس لقضاء فصل دراسي بالجامعات الأمريكية



The Center of Excellence for Water is a USAID funded project implemented by the American University in Cairo with the aim to create the Center of Excellence for Water at Alexandria University and in partnership Egyptian Ministries and Governorates, US Universities (Temple University, Utah State University, University of California at Santa Cruz and Washington State University), Egyptian Universities (Ain Shams University, Alexandria University, Aswan University, Beni Suf University and Zagazig University), Egyptian Research Centers, and Egyptian and US foundation and private sector.

The Center of Excellence for Water aims at Improving the relevance and quality of Water Curricula Develop effective / innovative teaching methods for undergraduate, graduates and professionals of Water Engineering Elevate Water related research capacities and ability to produce market driven research products Contribute to achieve the Egyptian Sustainable Development Strategy and Vision 2030.

مركز التميز في المياه هو مشروع ممول من الوكالة الأمريكية للتنمية الدولية وتنفذه الجامعة الأمريكية في القاهرة بهدف إنشاء مركز للتميز في المياه بجامعة الإسكندرية وبالتعاون مع العديد من الوزارات والمحافظات والجامعات المصرية (جامعة عين شمس، جامعة الزقازيق، جامعة بني سويف وجامعة أسوان) والجامعات الأمريكية (جامعة ولاية يوتا، جامعة كاليفورنيا سانتا كروز، جامعة تيمبل وجامعة ولاية واشنطن)، بالإضافة إلى الشراكة مع العديد من مراكز البحوث والقطاع الخاص في مصر والولايات المتحدة الأمريكية.

يهدف مركز التميز في المياه إلى تحسين ملاءمة وجوده مناهج المياه تطوير طرق تدريس فعالة ومبتكرة للطلاب الجامعيين وطلاب الدراسات العليا والمهنيين المحترفين في مجال هندسة المياه رفع القدرات البحثية المتعلقة بالمياه والقدرة على إنتاج أبحاث علمية تلبي احتياجات سوق العمل المساهمة في تحقيق استراتيجية التنمية المستدامة المصرية ورؤية ٢٠٣٠

Publications at Alexandria University



Within: **Oceans; Lakes; Dissolved Organic Matter** TC.52 | Year range: 2019 to 2022

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Authors

- Dorgham, M.M. 3
- Ashour, M. 2
- El-Tohamy, W.S. 2
- Essa, M.A.R. 2
- Magouz, F.I. 2

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Institutions

- Alexandria University 17
- National Institute of Oceanography and Fisheries 8
- Flinders University 2
- Kafrelsheikh University 2
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Publication years

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Countries/Regions

Publication types

17 publications | [Save as Publication Set](#)

Title	Authors	Year	Scopus Source	Citations
Warming and temperature variability determine the performance of two invertebrate predators <i>Open Access</i> View in Scopus > View abstract	Morón Lugo, S.C., Baumeister, M., Nour, O.M. and 3 more	2020	Scientific Reports	13
Population dynamics, fecundity and fatty acid composition of oithona nana (Cyclopoida, copepoda), fed on different diets <i>Open Access</i> View in Scopus > View abstract	Magouz, F.I., Essa, M.A., Matter, M. and 3 more	2021	Animals	11
Water quality assessment and phosphorus budget of a lake (Mariut, Egypt) after diversion of wastewaters effluents View in Scopus > View abstract	Shreadah, M.A., El-Rayis, O.A., Shaaban, N.A. and 1 more	2020	Environmental Science and Pollution Research	11
Marine Heatwaves Characteristics in the Barents Sea Based on High Resolution Satellite Data (1982–2020) <i>Open Access</i> View in Scopus > View abstract	Mohamed, B., Nilsen, F., Skogseth, R.	2022	Frontiers in Marine Science	6
Water quality assessment of the Nile Delta coast, south eastern Mediterranean, Egypt <i>Open Access</i> View in Scopus > View abstract	Dorgham, M., El-Tohamy, W., Qin, J. and 2 more	2019	Egyptian Journal of Aquatic Biology and Fisheries	5
Effect of different salinity levels on population dynamics and growth of the cyclopoid copepod Oithona nana <i>Open Access</i> View in Scopus > View abstract	Magouz, F.I., Essa, M.A., Matter, M. and 3 more	2021	Diversity	4

Publication stage	Title	Authors	Year	Scopus Source	Citations
Scopus Sources	Suitable algal species and density for the culture of copepod <i>Gladioferens imparipes</i> as a potential live food for fish larvae	El-Tohamy, W., Qin, J., Abdel-Aziz, N. and 2 more	2021	Aquaculture International	4
Subject Areas	View in Scopus > View abstract				
Institution Numbers	An estimation method for blue tide distribution in Tokyo Bay based on sulfur concentrations using Geostationary Ocean Color Imager (GOCI)	Higa, H., Sugahara, S., Salem, S.I. and 2 more	2020	Estuarine, Coastal and Shelf Science	3
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Options	Sea Surface Temperature Variability and Marine Heatwaves in the Black Sea	Mohamed, B., Ibrahim, O., Nagy, H.	2022	Remote Sensing	2
	<i>Open Access</i> View in Scopus > View abstract				
	Evaluation of the water quality and the eutrophication risk in Mediterranean sea area: A case study of the Port Said Harbour, Egypt	Morsy, A., Ebeid, M., Soliman, A. and 3 more	2022	Environmental Challenges	2
	<i>Open Access</i> View in Scopus > View abstract				
	The Irish Atlantic CoCliME case study configuration, validation and application of a downscaled ROMS ocean climate model off SW Ireland	Nagy, H., Pereiro, D., Yamanaka, T. and 4 more	2021	Harmful Algae	2
	View in Scopus > View abstract				
	Distribution and ecological risk evaluation of bioavailable phosphorus in sediments of El Tamsah Lake, Suez Canal	Younis, A.M., Soliman, N.F., Elkady, E.M. and 1 more	2022	Oceanologia	2
	<i>Open Access</i> View in Scopus > View abstract				
	Environmental drivers of meiofaunal natural variability, Egypt, Southeastern Mediterranean	Mitwally, H.M., Hamdan, A.M.	2021	Environmental Monitoring and Assessment	1
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Title	Authors	Year	Scopus Source	Citations	
Mesozooplankton dynamics in the coastal waters of sharm el-sheikh, red sea, egypt <i>Open Access</i> View in Scopus ↗ > View abstract	El-Sherbiny, M., Hanafy, M., Dorgham, M.	2020	Egyptian Journal of Aquatic Biology and Fisheries	1	
A comparison of physical disturbance and pollution stressors in sandy beaches using nematode functional biological traits <i>Open Access</i> View in Scopus ↗ > View abstract	Mitwally, H.M.	2022	Journal of Coastal Conservation	0	
Water quality and trophic status of Lake Mariut in Egypt and its drainage water after 8-year diversion <i>Open Access</i> View in Scopus ↗ > View abstract	Shaaban, N.A.	2022	Environmental Monitoring and Assessment	0	
Annual phytoplankton variability in the eastern harbour, alexandria (Egypt) <i>Open Access</i> View in Scopus ↗ > View abstract	El-Dahhar, A., Labib, W., Ismail, M. and 3 more	2021	Egyptian Journal of Aquatic Biology and Fisheries	0	

Publications at Alexandria University



Within: **Waves; Water Waves; Wave Energy Conversion** TC.284 | Year range: 2019 to 2022

[Export](#) ^

Authors ^

- Ahmed, Y.M. 3
- Iskander, M.M. 3
- Abu Zed, A.A. 2
- Bin Yaakob, O. 2
- Elbatran, A.H. 2

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Institutions ^

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Countries/Regions v

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The analysis of shoreline change dynamics and future predictions using automated spatial techniques: Case of El-Omayed on the Mediterranean coast of Egypt
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Title	Authors	Year	Scopus Source	Citations
shaped front wall in the improvement of the oscillating water column wave energy converter performance	Elgarni, H., Nagib Elmekawy, A.M.	2021	Ocean and Coastal Management	6
Wind-wave hindcast using modified ECMWF ERA-Interim wind field in the Mediterranean Sea	Elkut, A.E., Taha, M.T., Abu Zed, A.B.E. and 2 more	2021	Estuarine, Coastal and Shelf Science	4
Comparative study of offshore spar-buoy oscillating water column dynamic models for captured power estimation	Bayoumi, S., Oterkus, E., El-Gamal, H. and 1 more	2022	Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment	2
Performance assessment of corrugated semi-circular breakwaters for coastal protection	Romya, A.A., Moghazy, H.M., Iskander, M.M. and 1 more	2022	Alexandria Engineering Journal	1
Numerical simulation of the overtopping-ramp design of a multistage overtopping wave energy breakwater hybrid device	Mustapa, M.A., Yaakob, O.B., Ahmed, Y.M.	2019	International Journal of Innovative Technology and Exploring Engineering	1

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Title	Authors	Year	Scopus Source	Citations
Numerical optimization of hybrid wind-wave farm layout located on Egyptian North Coasts View in Scopus > View abstract	Ragab, A.M., Shehata, A.S., Elbatran, A.H. and 1 more	2021	Ocean Engineering	0
Numerical simulation of the breakwater-ramp design for multistage-overlapping wave energy View in Scopus > View abstract	Mustapa, M.A., Yaakob, O.B., Ahmed, Y.M.	2019	International Journal of Innovative Technology Engineering	0
Speed limit determination of fishing boats in confined water based on ship generated waves <i>Open Access</i> View in Scopus > View abstract	Suprayogi, D.T., bin Yaakob, O., Ahmed, Y.M. and 4 more	2022	Alexandria Engineering Journal	0
Wind and wave climate southeastern of the Mediterranean Sea based on a high-resolution SWAN model <i>Open Access</i> View in Scopus > View abstract	Abu Zed, A.A., Kansoh, R.M., Iskander, M.M. and 1 more	2022	Dynamics of Atmospheres and Oceans	0
Assessment of Coastal Revetment: Case study of Rosetta Revetment <i>Open Access</i> View in Scopus > View abstract	Abd-Elmonem, I.M., Abedio, T.I., Kheireldin, K.A. and 1 more	2022	Ain Shams Engineering Journal	0
Hydrodynamic assessment of artificial shell blocks for coastal protection View in Scopus > View abstract	Almaghraby, M.M., Kansoh, R.M., Iskander, M.M.	2022	Ocean Engineering	0