

1. Collaboration: Establishing the centre of excellence for water problems



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 وجودة 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

2. Collaboration: Memorandum of Understanding with the Nuclear and Radiological Regulatory Authority to exchange experiences and experts



Official collaborations -energy



Dr. Abdelaziz Konsowa, President of Alexandria University, and Dr. Sami Shaaban Atallah, Chairman of the Board of Directors of the Nuclear and Radiological Regulatory Authority signed a memorandum of understanding between Alexandria University and the Nuclear and Radiological Regulatory Authority, with the aim of cooperation and exchanging experiences and experts in the fields of Education, training, research and development in areas related to nuclear and radiological security, in the presence of Dr. Wael Nabil, Vice President for Education and Student Affairs, Dr. Said Allam, Dean of the Faculty of Engineering, deputy head of the department, faculty members in the Department of Nuclear Engineering, Faculty of Engineering, and officials of the Nuclear and Radiation Control Authority.

3. Collaboration: cutting edge Research with Africa



Faculty of Dentistry- Alexandria University collaboration with Africa

Research groups

The Faculty of Dentistry, Alexandria University has several research groups working in different cutting-edge research areas in various dental specialties:

Africa Oral Health Network (AFRONE)

- The AFRONE is a research network addressing the oral health needs and problems of children and adolescents in Africa to propose policies and programs to achieve optimal oral health and well-being.
- The network promotes collaborative, multi-sectoral, and trans-disciplinary research that recognizes the interconnections between people, animals, plants, and the environment.
- The network adopts the One Health framework based on Africa CDC recommendations. The One Health framework indicates that, for people to be healthy, plants, animals and the environment need to be healthy.

Core team

- Prof Maha El Tantawi, Alexandria University, Egypt



- Prof Morenike Folayan, Obafemi Awolowo University, Nigeria



- Prof Ahmed Bhayat, University of Pretoria, South Africa



Publications

1. El Tantawi M, Folayan MO, Mehaina M, Vukovic A, Castillo JL, Gaffar BO, Arheiam A, Al-Batayneh OB, Kemoli AM, Schroth RJ, Lee GHM. Prevalence and Data Availability of Early Childhood Caries in 193 United Nations Countries, 2007-2017. *Am J Public Health*. 2018 Aug;108(8):1066-1072.
2. El Tantawi M, Folayan MO, Aly M, Mehaina M, Wael S. Toothbrushing in 104 countries: sex, country-income and regional inequalities. 2021 IADR General Session (Virtual Experience), Presentation ID 0787. Available at: <https://iadr.abstractarchives.com/abstract/21iags-3571767/toothbrushing-in-104-countries-sex-country-income-and-regional-inequalities>. Accessed May 10th, 2022.
3. Folayan MO, El Tantawi M, Schroth RJ, Kemoli AM, Gaffar B, Amalia R, Feldens CA; ECCAG. Association Between Environmental Health, Ecosystem Vitality, and Early Childhood Caries. *Front Pediatr*. 2020 May 19;8:196.
4. Folayan MO, Tantawi ME, Gaffar B *et al*. An ecological study of the association between environmental indicators and early childhood caries. *BMC Res Notes* 13, 474 (2020).
5. Folayan MO, El Tantawi M, Schroth RJ, Vukovic A, Kemoli A, Gaffar B, Obiyan M; Early Childhood Caries Advocacy Group. Associations between early childhood caries, malnutrition and anemia: a global perspective. *BMC Nutr*. 2020 May 4;6:16.
6. Folayan MO, El Tantawi M, Ramos-Gomez F, Sabbah W. Early childhood caries and its associations with sugar consumption, overweight and exclusive breastfeeding in low, middle and high-income countries: an ecological study. *PeerJ*. 2020 Oct 1;8:e9413.
7. Folayan MO, El Tantawi M, Aly NM, Al-Batayneh OB, Schroth RJ, Castillo JL, Virtanen JI, Gaffar BO, Amalia R, Kemoli A, Vukovic A, Feldens CA; ECCAG. Association between early

childhood caries and poverty in low and middle income countries. *BMC Oral Health*. 2020 Jan 6;20(1):8.

8. El Tantawi M, Folayan M, Bhayat A. Oral Health Status and Practices, and Anthropometric Measurements of Preschool Children: Protocol for a Multi-African Country Survey. *JMIR Res Protoc* 2022;11(4):e33552.
9. Folayan MO, Arije O, El Tantawi M *et al.* Association between early childhood caries and malnutrition in a sub-urban population in Nigeria. *BMC Pediatr* 19, 433 (2019).