

Curriculum Vitae (CV)



Full Name :.Ahmed Alaa El-Din Mahmoud Ali Khalil.

Personal Information

Academic Rank: Lecturer (PhD student)

Department: Civil Engineering

Specialization: Sanitary and Environmental Engineering

Position: Lecturer at Higher Technological Institute - 6th of October branch

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Education

Degree	Discipline	Institution	Year
Ph.D.	SANITARY AND ENVIRONMENTAL ENGINEERING	BANHA UNIVERSITY	BEING OBTAIN
M.Sc.	SANITARY AND ENVIRONMENTAL ENGINEERING	CAIRO UNIVERSITY	2018
B.Sc.	Civil Engineering	HTI – 6 TH OF OCTOBER BRANCH	2011

Academic Experience

Institution: Higher Technological Institute – 10th of Ramadan city – 6th of October branch

Rank: Lecturer

Dates: Jan.2019 – Till present

Institution: Higher Technological Institute – 10th of Ramadan city – 6th of October branch

Rank: Teaching Assistant

Dates: Apr.2013 – Jan.2019

Institution: Higher Technological Institute – 10th of Ramadan city – 6th of October branch

Rank: Part time Teaching Assistant

Dates: Sep.2011 – Apr.2013

Research interests

- Water treatment
- Waste water treatment
- Industrial waste water treatment
- Agricultural waste water treatment
- Water desalination
- Water networks
- Waste water networks
- Operation and maintenance of networks

Certifications or Professional Registrations

Academic qualification Certificates:

- MASTER OF SCINCE (M.Sc.) in Civil Engineering – Public Works, July 8, 2018-Cairo University.
- Distinction with honors in Bachelor of Science (B.Sc.) in civil Engineering, 2011- Higher Technological Institute – 10th of Ramadan city – 6th of October branch.

Certificates from the National Authority for Education Quality Assurance and Accreditation:

- Effective teaching and learning strategies for colleges and institutes of higher education, January 30-31, 2021.
- Self-evaluation of educational programs: colleges and institutes of higher education, September 15-17, 2019.

Participation Conferences Certificates:

- Regional Expert workshop “Solution to Water Challenges in MENA Region “, April 25-30, 2017 -Cairo, Egypt.
- 9th International Conference on Nano-Technology in constructions, March 17-21, 2017 - Sharm El-Sheikh, Egypt.

Certificates from DAAD kairo Akademie:

- Interactive lectures, of the future domain “Teaching in Higher Education”, May 15, 2014-Higher Technological Institute, Egypt.

Training Experiences certificates:

- Egyptian Engineering Group office since May 2011 until August 2011.
- SIAC Company in July 2010.
- Engineering Company for Construction and Reconstruction (DORRA CRC) since May 2010 until August 2010.
- Elmaady Group Company since May 2009 until August 2009.
- Construction and Design Company since May 2008 until August 2008.

Activities

Research Activities:

Comparison between RO and EDR desalination systems in iron factory cooling towers' water treatment.

Socio Academic Activities:

- Member in quality assurance in civil Engineering department, Higher Technological Institute – 6th of October branch, until present.
- Member of the Scientific and Cultural Activity Committee in civil Engineering department, Higher Technological Institute – 6th of October branch, until present.

Voluntary activities:

- Participated in organizing a Regional Expert workshop “Solution to Water Challenges in MENA Region “, April 25-30, 2017 -Cairo, Egypt.
- General secretary of students union at the academic year 2010-2011 , Higher Technological Institute – 10th of Ramadan city – 6th of October branch.
- Member in the students union at the academic year 2009-2010 , Higher Technological Institute – 10th of Ramadan city – 6th of October branch.

Honors and Awards

- Certificate of Appreciation for the efforts in the students union as General Secretary, 2011, Higher Technological Institute – 10th of Ramadan city – 6th of October branch.
- Shield of Honor as General Secretary of students union, 2011, Higher Technological Institute – 10th of Ramadan city – 6th of October branch.
- Scientific genius certificates at the Academic years (2010 - 2011, 2009 - 2010, 2008 - 2009, 2007- 2008), Higher Technological Institute – 10th of Ramadan city – 6th of October branch.

Teaching Experience

I have taught a variety of undergraduate academic courses at civil Engineering department in Higher Technological Institute – 10th of Ramadan city – 6th of October branch since the academic year 2011 – 2012 until present.

Courses taught

- Water and waste water systems.
- Water and waste water treatment.
- Sanitary Engineering (1).
- Sanitary Engineering (2).
- Principles of irrigation and drainage
- Civil drawing (2) (Irrigation structures drawing).
- Design of irrigation structures (1).
- Design of irrigation structures (2).
- Drawing by using AutoCAD (2d) program.
- Design of structures by using SAP 2000 program.
- Fluid mechanics.
- Hydraulics (1).
- Hydraulics (2).
- Computer programing by using FORTRAN power station program.
- Selective topics at Environmental Engineering.
- Selective topics at water resources.
- Selective topics at Hydrology.
- Computer skills