

## 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 - 6<sup>th</sup> of October

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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 <sup>TH</sup> OF OCTOBER BRANCH	2011

### Academic Experience

**Institution:** Higher Technological Institute – 6<sup>th</sup> of October

**Rank:** Lecturer

**Dates:** Feb..2024 – Till present

**Institution:** Higher Technological Institute – 10<sup>th</sup> of Ramadan city – 6<sup>th</sup> of October branch

**Rank:** Lecturer

**Dates:** Jan.2019 – Feb.2024

**Institution:** Higher Technological Institute – 10<sup>th</sup> of Ramadan city – 6<sup>th</sup> of October branch

**Rank:** Teaching Assistant

**Dates:** Apr.2013 – Jan.2019

**Institution:** Higher Technological Institute – 10<sup>th</sup> of Ramadan city – 6<sup>th</sup> 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 – 10<sup>th</sup> of Ramadan city – 6<sup>th</sup> 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:**

- The conference and scientific day of the Civil Engineering Department to transfer practical experiences to students – Academic year 2024/2025 & 2023/2024 - Higher Technological Institute-6<sup>th</sup> of October, Egypt.
- The Second Annual Conference for Postgraduate Studies in the Human Sciences – October 16-17, 2023 - Banha University, Egypt.
- Regional Expert workshop “Solution to Water Challenges in MENA Region “, April 25-30, 2017 -Cairo, Egypt.
- 9<sup>th</sup> 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.

### **PARTICIPATION TRAINING CERTIFICATES**

- Good laboratory practices (GLP) – Feb.2023 – Higher technological institute -6<sup>th</sup> of October.
- Digital transformation – September 10-11, 2023 - Banha University, Egypt.
- Preparing competitive research projects – Aug. 23-24, 2023 - Banha University, Egypt.
- International publishing of scientific research - Aug. 21-22, 2023 - Banha University, Egypt.
- Scientific research ethics - July 10-11, 2019 - Banha University, Egypt.
- Scientific research methodology - July 9-10, 2019 - Banha University, 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 of the Faculty, Teaching Assistants and Research Committee in the Civil Engineering Department, Higher Technological Institute – 6<sup>th</sup> of October – 2024- Present.
- Member of the Student Affairs Committee in the Civil Engineering Department, Higher Technological Institute – 6<sup>th</sup> of October – 2024- Present.
- Member of the Quality Assurance Committee in the Civil Engineering Department, Higher Technological Institute – 6<sup>th</sup> of October – 2024- Present.

- Member in quality assurance in civil Engineering department, Higher Technological Institute – 6<sup>th</sup> of October branch – 2011 - 2024.
- Member of the Scientific and Cultural Activity Committee in civil Engineering department, Higher Technological Institute – 6<sup>th</sup> of October branch - 2011-2024.

**Voluntary activities:**

- Participated in organizing the conference and scientific day of the Civil Engineering Department – Academic year 2024/2025 & 2023/2024- Higher Technological Institute- 6<sup>th</sup> of October, Egypt.
- 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 – 10<sup>th</sup> of Ramadan city – 6<sup>th</sup> of October branch.
- Member in the students union at the academic year 2009-2010, Higher Technological Institute – 10<sup>th</sup> of Ramadan city – 6<sup>th</sup> of October branch.

**Honors and Awards**

- Certificate of Appreciation for the efforts of Participated in the conference and scientific day of the Civil Engineering Department and transfer expertise and job market requirements to students – Academic 2023/2024- Higher Technological Institute- 6<sup>th</sup> of October, Egypt.
- Certificate of Appreciation for the efforts in the student’s union as General Secretary, 2011, Higher Technological Institute – 10<sup>th</sup> of Ramadan city – 6<sup>th</sup> of October branch.
- Shield of Honor as General Secretary of student’s union, 2011, Higher Technological Institute – 10<sup>th</sup> of Ramadan city – 6<sup>th</sup> of October branch.
- Scientific genius certificates at the Academic years (2010 - 2011, 2009 - 2010, 2008 - 2009, 2007- 2008), Higher Technological Institute – 10<sup>th</sup> of Ramadan city – 6<sup>th</sup> of October branch.

### Teaching Experience

I have taught a variety of undergraduate academic courses at civil Engineering department in

- Higher Technological Institute – 6<sup>th</sup> of October since the academic year 2024 – 2025 until present.
- Higher Technological Institute – 10<sup>th</sup> of Ramadan city – 6<sup>th</sup> of October branch since the academic year 2011 – 2012 to academic year 2024-2025.

### 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