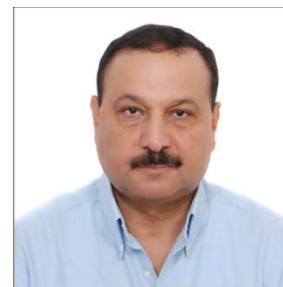


# Prof. Dr. Nabil Hassan Amer

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Phone: 002-01069732120



## *Career History:*

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**January 2015 to January 2018:** Deputy Commandant of Military Technical College.

**January 2014 to January 2015:** Dean of Faculty of Military Technical College.

**October 2012 to January 2014:** Head of Consulting Office of Military Technical College.

**September 1997:** Ph.D. in Civil Engineering from Colorado State University (CSU)/USA.

**April 1992:** M.Sc. in Civil Engineering from Military Technical College (M.T.C)  
Major (Reinforced Concrete Structures)

**July 1985:** B.Sc. in Civil Engineering  
Military Technical College (M.T.C), Cairo, Egypt.

## *Languages:*

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1- **Arabic** : Mother tongue

2- **English** : Fluent

## *Honors & Fellowship*

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1- In **Oct.1989** received a fellowship from the Egyptian Armed Forces to study Master of Science in civil engineering from Military Technical College.

2- In **Aug.1993** received a fellowship from the Egyptian Armed Forces to study Doctor of Philosophy in civil engineering from Colorado State University.

## *Academic History:*

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**January 2014 – January 2015 :** as Dean of Faculty -Military Technical College.

**Sept. 1997 – Current Time** ; as a Lecturer at Civil Engineering Department- Military Technical College.

## **Teaching Experience**

### **Undergraduate Level**

- 1- Reinforced Concrete Structures (I)
- 2- Reinforced Concrete Structures (II)
- 3- Theory of Structures (II)
- Sanitary and Environmental Engineering.
- Supervising Conclusion Projects "Reinforced Concrete Structures".
- Supervising Environmental Conclusion projects.

### **Graduate Level**

- Advanced Concrete Structures Design.
- Management Systems for Solid Wastes.
- Environmental Regulations and Legislation.
- Environmental Impact Assessment of Projects.

**Sept. 1999 – 2015 :** as a part time lecturer at Arab Academy for Science And Technology AAST (**Alexandria then Cairo Branch**):

### **Undergraduate Level**

- Design of R.C. structures  
Reinforced Concrete I  
Reinforced Concrete II
- Supervising Conclusion Projects "Reinforced Concrete Structures".
- Properties and Testing of Materials (one semester).
- Sanitary and Environmental Engineering.
- Supervising Environmental Conclusion projects.

### **Graduate Level**

- Management Systems for Solid Wastes.
- Environmental Regulations and Legislation.
- Environmental Impact Assessment of Projects.

**Oct.1989-July 1993:** as a Demonstrator and Lecturer Assistant in Civil Engineering Department at M.T.C.

**July 1989- January 2016:** as a member and head of the Engineering Consulting Office- Military Technical College.

## *Supervision and Dissertations*

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### **Military Technical College Cairo, Egypt**

1997 – 2017

- Five **Ph.D.**
- Eleven **M.Sc.**

### **Arab Academy for Science, Technology and Maritime Transport Cairo, Egypt**

2005 – 2014

- Two **M.Sc.**

## *Fields of Research*

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- Strengthening of Concrete Elements
- Composite structures
- Environmental Impact Assessment of Projects
- Waste water treatment
- Groundwater pollution
- Solid Wastes Management System

## *Conferences Organization*

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### **Military Technical College Cairo, Egypt**

**Participation in preparation & coordination of all conferences organized by Military Technical College from 1990 till 2017.**

2011 **ASCE** Conférence "Sustainability of infrastructures" Memphis-United States.

1990 – 2017

- 2nd International Conference on Civil & Arch. Eng., Cairo, Egypt, October, 1992
- 3rd International Conference on Civil & Arch. Eng., Cairo, Egypt, March, 1999
- 4th International Conference on Civil & Arch. Eng., Cairo, Egypt, March, 2002
- 5th International Conference on Civil & Arch. Eng., Cairo, Egypt, April, 2004
- 6th International Conference on Civil & Arch. Eng., Cairo, Egypt, May, 2006
- 7th International Conference on Civil & Arch. Eng., Cairo, Egypt, May, 2008
- 8th International Conference on Civil & Arch. Eng., Cairo, Egypt, May, 2010
- 9th International Conference on Civil & Arch. Eng., Cairo, Egypt, May, 2012
- 10th International Conference on Civil & Arch. Eng., Cairo, Egypt, May, 2014
- 11th International Conference on Civil & Arch. Eng., Cairo, Egypt, May, 2016

## *Publications*

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- 1- **“Combined Influence of Stack Height and Exit Velocity on Dispersion of Pollutants Caused by Helwan Cement Factory (Study using AERMOD Model)”**, International Journal of Computer Applications, July 2015.
- 2- **“Impact of Cement Factories Stack Diameter and Distribution on the Dispersion of Released Pollutants”**, Journal of El Azhar University Engineering Sector (JAUES), April 2015.
- 3- **"Application of Hybrid System to Upgrade Existing Wastewater Treatment Plants" (Case Study)**, International Journal of Sciences: Basic and Applied Research (IJSBAR), May 2014.
- 4- **“Influence of Bentonite Content on the Compressibility Paramemeters of Processed Sand-Bentonite Mixtures”**, Concrete Research Letters, March 2014.
- 5- **Minerals Admixtures: The Key to High Strength Concrete”**, 10<sup>th</sup> International Conference on Civil & Arch. Eng. (ICCAE), Cairo, Egypt, May 9-11, 2014.
- 6- **Determination of Water Leakage Amount by Residual Chlorine Measuring in Water Pipe Network”**, 9<sup>th</sup> International Conference on Civil & Arch. Eng. (ICCAE), Cairo, Egypt, May, 2012.
- 7- **Combined Influence of Stack Height and Exit Velocity on Dispersion of Pollutants Caused by Shubra Elkheima Thermal Power PLant (Study using AERMOD Model)”**, Journal of El Azhar University Engineering Sector (JAUES), June 2011.
- 8- **Increasing Efficiency of Activated Sludge Process in Domestic Sewage Treatment by Compromising Rate of Dissolved Oxygen with Ambient Temperature”**, 14<sup>th</sup> International Conference on Aerospace Science and Aviation Technology (ASAT 14), Cairo, Egypt, May, 2011.
- 9- **"Enhancement of Impact Resistance of Concrete Using Innovative Shape of Steel Fibers"**, 7<sup>th</sup> International Conference on Civil & Arch. Eng. (ICCAE), Cairo, Egypt, May, 2008.
- 10- **"Retrofitting Strengthened Two-Way Solid Slabs Provided with Opennings"**, International Conference for Civil Engineering, Varna, Bulgaria, September 2006.
- 11- **"Numerical Modeling of Soil-Tunnel Interaction under new surface load"**. 6<sup>th</sup> International Conference on Civil & Arch. Eng. (ICCAE), Cairo, Egypt, May, 2006.
- 12- **"Experimental and Numerical Analysis of Centrally opened two way slabs strengthen with carbon fiber laminates"**. Journal of El Azhar University, Engineering Sector (JAUES), 2006.

- 13- **"Experimental Analysis of Centrally opened two way slabs strengthened with carbon fiber laminates"**. 6<sup>th</sup> International Conference on Civil & Arch. Eng. (ICCAE), Cairo, Egypt, May, 2006.
- 14- **"Environmental Impact Assessment of Sanitary Landfill Projects"**. 5<sup>th</sup> International Conference on Civil & Arch. Eng. (ICCAE), Cairo, Egypt, May, 2004.
- 15- **"Analysis of Arched Composite Beam"**, 4th International Conference on Civil & Arch. Eng. (ICCAE), Cairo, Egypt, May, 2002.
- 16- **"Enhancement of Impact Resistance of Concrete Using Innovative Shape of Steel Fibers"**, 4th International Conference on Civil & Arch. Eng. (ICCAE), Cairo, Egypt, May, 2002.
- 17- **"Compaction of Sand Processed Clay Soil Mixtures"**, American Society for Testing and Materials. Geotechnical Testing Journal GTJODJ, December 1997.
- 18- **"Experimental Study of the Behavior of Pre-cast Composite Beam"**, Journal of El Azhar University Engineering Sector (JAUES), 1993.
- 19- **"Identifying Major Development Projects Delay Causes in Egypt and Assessing their Impacts using System Dynamics"**. 12<sup>th</sup> International Conference on Civil & Arch. Eng. (ICCAE), Cairo, Egypt, April, 2018.(under revision)
- 20- **"Identification and Analysis of main reasons of variation orders and their impacts during construction project life cycle"**. 12<sup>th</sup> International Conference on Civil & Arch. Eng. (ICCAE), Cairo, Egypt, April, 2018.(under revision)

## *Professional Experience*

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1. **Engineering consultant ( Professional Engineer ) in the following fields:**
  - Design of Concrete Structures
  - Geo-environmental Engineering
2. **Member of the Egyptian Construction Third Party Liability Insurance Pool ( E.C.L.I.P):**
  - Revision of Concrete Structures Projects.
3. **Member of the Egyptian Construction Reviewer of Ministry of Housing:**
  - Revision of Concrete Structures Projects.
4. **Design and supervise many structural projects, e.g:**
  - Suiz Stadium (30000 person)
  - Al-Salam Stadium ( 45000 person)
  - Sohag Airport Hall (20000 square meter )
  - Asuit Airport Hall ( 12000 square meter )
  - Service Building, Cairo Airport ( 12000 square meter )

- College of Navigation, 6 October Airport
- Luxor General Library
- Watania Gas Stations, Egyptian Defense
- Military Factories, Egyptian Defense
- Al-Kattamia-Al-Sokhna Road.
- Helwan-Alkorimat Road
- Commandant Building, Military Technical College
- Many buildings and compounds.
- Free upper-Egypt highway
- Shebin Elkom Emergency Hospital
- Sanitary Landfill in Rabegh-Saudi Arabia.

**5. Preparing more than 500 Soil Technical Reports.**

**6. Preparing and supervising more than 45 Repair Technical Report.**