

Curriculum Vitae for Dr. Hany Abd Elshakour Mohamed Ali

Name:	Hany Abd Elshakour Mohamed Ali	
Title:	Associate Professor	
Current Position:	<ul style="list-style-type: none"> ▪ Associate Professor at Construction Engineering and Utilities Department, Faculty of Engineering, Zagazig University, Zagazig, Egypt, and ▪ Program Director of Structural Engineering and Construction Management at Zagazig National University, 10th Ramadan City, Egypt 	
E-Mail Address	drhanysh@yahoo.com haelshakour@zu.edu.eg	
Work Address:	<ul style="list-style-type: none"> ▪ Construction Engineering and Utilities Department, Faculty of Engineering, Zagazig University, Zagazig, Egypt. ▪ Structural Engineering and Construction Management Program, Zagazig National University, 10th Ramadan City, Egypt. 	
Mobile:	01023095551	
Nationality:	Egyptian	
Languages	Arabic, English, and German	
Date of birth:	04 Mars 1967, Zagazig, Egypt	
Civil status:	Married and have three children	

Academic Qualification

<u>Degree</u>	<u>Institution</u>	<u>Field of study</u>	<u>Year</u>
Ph.D.	Dortmund University, Germany	Construction Engineering and Management	1994 – 1999
M.Sc.	Zagazig University, Egypt	Construction Engineering and Management	1990 – 1994
B.Sc.	Zagazig University, Egypt	Construction Engineering	1984 – 1989

Professional Academic Experience

3/1990 - 4/1994	Demonstrator at Construction Engineering Department, Faculty of Engineering, Zagazig University, Zagazig, Egypt.
4/1994 - 4/2000	Lecturer at Construction Engineering Department, Faculty of Engineering, Zagazig University, Zagazig, Egypt.
5/2000 – 3/2010	Assistant Professor at Construction Engineering Department, Faculty of Engineering, Zagazig University, Zagazig, Egypt.

3/2010 – to date	Associate Professor at Construction Engineering Department, Faculty of Engineering, Zagazig University, Zagazig, Egypt.
10/ 2008 – 6/2012	Assistant Professor, Civil Engineering Department, College of Engineering, King Saud University, Riyadh, K.S.A.
12/2023	Part-time: Coordinator of the Structural Engineering and Construction Management Program at Zagazig National University, 10 th Ramadan City, Egypt

Other Relevant Work Experience

6/1991 - 10/1991	Part-time: "Construction Industry Development Project" Member of the working group for technical evaluation of project proposals. The work was carried out for the World Bank, Loan 2460 EGT/World Bank, in association with the Public Sector Organization for Construction.
2/1993 - 9/1993	Part-time: "Construction Industry Development Project" Class supervisor. The work was carried out for the World Bank, Loan 2460 EGT/World Bank, in association with the Public Sector Organization for Construction.
9/1993 - 6/1994	Part-time: "Construction Industry Development Project" Member of the technical office of the executive unit. The work was carried out for the World Bank, Loan 2460 EGT/World Bank, in association with the Public Sector Organization for Construction.
11/1999 - 11/2000	Part-time: Construction management consultant, construction business development unit, Arab Contractor Company, Egypt
5/2000 – 11/2001	Part-time: Construction contracting management consultant for Tanta Educational Hospital project, Tanta, Egypt. The contractor: Arab Contractor Company. Project Value = EGP 100000000.
5/2002 – 10/2008	Part-time: Assistant professor at Construction and Building Engineering Department, College of Engineering and Technology, Arab Academy for Science and Technology and Maritime Transport, Alex., Egypt.
10/2002 – 10/2008	Part-time: Assistant professor at Construction and Building Engineering Department, Faculty of Engineering, October 6 University, Cairo, Egypt.
02/2006 – 10/2008	Part-time: Construction management consultant, TÜV Construction Quality Control Ltd. Trainer for preparation courses for IPMA Exam, Egypt.
02/2014 – 07/2021	Part-time: Associate professor at Construction and Building Engineering Department, College of Engineering and Technology, Arab Academy for Science and Technology and Maritime Transport, Cairo, Egypt.
02/2014 – 07/2021	Part-time: Associate professor at Construction Engineering and Management Department, Zagazig Higher Institute of Engineering and Technology, Zagazig, Egypt.
12/2023	Part-time: Coordinator of the Structural Engineering and Construction Management Program, The Engineering Sector, Zagazig National University, 10 th Ramadan City, Egypt.

09/2006 - to date	Registered reviewer for the Elsevier Editorial System (EES), the online submission and peer review tracking system for <i>International Journal of Project Management</i> .
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Undergraduate Courses Taught

- Construction Project Management (Zagazig University, Arab Academy for Science and Technology and Maritime Transport, Egypt)
- Construction contracts (Arab Academy for Science and Technology and Maritime Transport, Egypt)
- Construction Productivity (Zagazig University, Arab Academy for Science and Technology and Maritime Transport, Egypt)
- Quality control and specifications (October 6 University, Egypt)
- Management of Engineering Projects (King Saud University)

Graduate Courses Taught

- Estimating, Tendering, and Contracting in Construction (Arab Academy for Science and Technology and Maritime Transport, Egypt)
- Construction Productivity (Zagazig University and Arab Academy for Science and Technology and Maritime Transport, Egypt)
- Construction Project Management (Arab Academy for Science and Technology and Maritime Transport, Egypt)
- Construction Management (King Saud University)
- Construction Engineering (King Saud University)
- Advanced Construction Management (Zagazig University)
- Sustainability in Construction (Zagazig University)

List of supervised/ under my supervision “Master of Science” thesis

No.	Name of Student	Year of graduation	Title of thesis	University/Country
1	Mohamed Abd Elhamid	2006	Improving labor productivity in Egypt using benchmarking and lean construction	Banha Higher Institute of Technology/Egypt
2	Dhaheer Abdel Samad Salem	2006	Predicting production rates of pouring concrete in Egypt using artificial neural networks model	College of Engineering and Technology, Arab Academy for Science, Technology and Maritime Transport. Alex., Egypt.
3	Ahmed Negm	2007	Study the impact of inventory size and time lag buffer on construction labor productivity	College of Engineering and Technology, Arab Academy for Science, Technology and Maritime Transport. Alex, Egypt.

4	Ahmed Khashaba	2009	Delays in water pipeline projects in Egypt: Causes, mitigation, and a neural network prediction model.	Faculty of Engineering, Zagazig University, Egypt.
5	Mohamed Maghraby	2009	Price estimating of low-rise steel building based on neural network system.	College of Engineering and Technology, Arab Academy for Science, Technology and Maritime Transport. Cairo, Egypt.
6	Hatem Abdel Azeem	2009	Developing a neural networks model for supporting contractors in bidding decisions in Egypt	Faculty of Engineering, Zagazig University, Egypt.
7	Ibrahim Alsulaihi	2012	Identifying key performance indicators for benchmarking the performance of construction firms in the Kingdom of Saudi Arabia	Civil Engineering Department, College of Engineering, king Saud university, K.S.A
8	Mohamed Ahmed Elsadek	2017	Neuro-Fuzzy Model to Evaluate Financial Performance of Construction Companies	Faculty of Engineering, Zagazig University, Egypt.
9	Abdallatief Tahon	2018	Sustainability Rating System for Brick Types in Egypt	Faculty of Engineering, Zagazig University, Egypt.
10	Mohamed EL-Morsy	2018	Sustainability Performance Index of Thermal Insulation Materials	College of Engineering and Technology, Arab Academy for Science, Technology and Maritime Transport. Cairo, Egypt.
11	Ola Elhosseiney	2020	Evaluating Knowledge Management in Egyptian Construction Firms	Faculty of Engineering, Zagazig University, Egypt.
12	Asmaa El-dardery	2020	Evaluating Asset Management Systems for the Highway Construction Sector in Egypt	Faculty of Engineering, Zagazig University, Egypt.
13	Ahmed Eltohamy	2022	Measuring the Competitiveness of Egyptian Construction Companies	Faculty of Engineering, Zagazig University, Egypt.
14	Mohamed Abd Elbasit	2022	Waste in Nonresidential Construction Projects in Egypt: Factors, Causes, and Mitigation	Faculty of Engineering, Zagazig University, Egypt.

Referred Journal Publications

1. Yamany, M.S., Abdelhameed, A., Elbeltagi, E., and **Mohamed, H.** (2024). "Critical success factors of infrastructure construction projects." *Innov. Infrastruct. Solut.* **9**, 95 (2024). <https://doi.org/10.1007/s41062-024-01394-9>
2. **Hany Abd Elshakour Mohamed** and Ahmed Ibrahim Eltohamy (2022). "Critical Success Factors for Competitiveness of Egyptian Construction Companies." *Sustainability* 2022, 14, 10460. <https://doi.org/10.3390/su141710460>.
3. **Hany Abd Elshakour Mohamed**, Mohamed Abd Elbasit Elawady (2022). "Non-Value-Adding Activities in Egyptian Nonresidential Projects." *NEUROQUANTOLOGY | OCTOBER 2022 | VOLUME 20 | ISSUE 11 | PAGE 7637-7657*. DOI: [10.14704/nq.2022.20.11.NQ66761](https://doi.org/10.14704/nq.2022.20.11.NQ66761)
4. **Hany Abd Elshakour Mohamed**, Suad Hosny, and Asmaa Mohammed (2019). "Evaluating Highway Pavement Maintenance Management Practices in Egypt." *International Journal of Scientific & Engineering Research*, Volume 10, Issue 8, August 2019, pp. 1366-1380, ISSN 2229-5518.
5. **Hany Abd Elshakour**, Ola Elhosseiney, and Ahmed Elyamany (2019). "Knowledge Management: Investigating Egyptian Construction Companies Best Practices." *International Journal of Civil Engineering and Technology (IJCIET)*, Volume 10, Issue 10, October 2019, pp. 244-258.
6. Abdallatif Tahon, **Hany Abd Elshakour**, and Ahmed Elyamany (2017) "Sustainability Concept and Knowledge Analysis in Construction Industry." *International Journal of Engineering and Management Research*, Volume 7, Issue 5, September-October 2017, pp 307-315.
7. Mohamed Elsadek, **Hany Abd Elshakour**, and Ahmed Elyamany (2017) "Developing a Neural Networks Model for Evaluating Financial Performance of Residential Companies based on FCM." *IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)*, e-ISSN: 2278-1684, p-ISSN: 2320-334X, Volume 14, Issue 2 Ver. II (Mar. - Apr. 2017), PP 46-59, www.iosrjournals.org.
8. **Hany Abd Elshakour M.**; Ibrahim A. Al-Sulaihi; Khalid S. Al-Gahtani; and Naief Turki Ibn-Homaid (2014) "Benchmarking Framework for Performance of Construction Companies in Saudi Arabia." *Jökull Journal*, Vol. 64, No. 3; Mar 2014, 46 - 69. (Jökull is an ISI-indexed journal with a five-year impact factor of 1.604)
9. **Abd Elshakour, H.**, Al-Sulaihi, I., and Al-Gahtani, K. (2013) "Indicators for measuring performance of building construction companies in Kingdom of Saudi Arabia." *Journal of King Saud University – Engineering Sciences* (2013) 25, 125–134.
10. **Abd Elshakour, H.**, and Ali, A. E. (2009). "Issues in subcontracting practices in Cairo." *Ain Shams Journal of Civil Engineering (ASJCE)*, Vol. 2. September 2009, pp.243-256.
11. Khashaba, A., **Abd Elshakour, H.**, and Abdel-Razek, R. (2009). "Predicting construction delays in Egyptian water pipeline projects using neural networks." *Civil Engineering Research Magazine (CERM)*, Al-Azhar University, Vol. 31, No. 3 (July 2009), 655-673.
12. Maghraby, M., **Abd Elshakour, H.**, Abdel-Razek, R. (2009). "A neural network model for weight estimating of steel structure during the early stages of the project." *Civil Engineering Research Magazine (CERM)*, Al-Azhar University, Vol. 31, No. 2 (April 2009), 378-388.
13. Abd Elazem, H.; **Abd Elshakour, H.**; and Abdel-Razek, R. (2009). "Factors affecting contractor's bidding decision in Egypt." *Civil Engineering Research Magazine (CERM)*, Al-Azhar University, Vol. 31, No. 2 (April 2009), 457-474.
14. **Abd Elshakour, H.** (2009). "Costs of quality in road construction: A study of four projects in Egypt." *The Egyptian International Journal of Engineering Science and Technology*, Zagazig University, Vol. 12, No. 1 (Jan. 2009), 37-45.

15. Abdel-Razek, R., **Abd Elshakour, H.**, and Abdel-Hamid, H. (2007). "Labor productivity: Benchmarking and variability in Egyptian projects." International Journal of Project Management, 25(2), 189-197.
16. Blecken, U., and **Ali, H.** (2001). "Standardisierung der Funktionalen Leistungsbeschreibung." Bautechnik, Heft 3, Maerz 2001, pp. 187-196, Ernst & Sohn, Germany.

Conference Contributions

17. Mohamed Morsy, Adel M Belal, **Hany Abd Elshakour**, and Mohamed Fahmy (2017). "Effect of Thermal Insulation on Building Thermal Comfort and Energy Consumption in Egypt." 2nd International Conference on Advanced Technology and Applied Sciences (ICaTAS 2017), Arab Academy for Science, Technology and Maritime Transport, September 2017, Alexandria, Egypt.
18. **Abd Elshakour, H.**, Abdel-Razek, R., and Abd Elhamid, M. (2007). "Unit rate variability in Egyptian construction projects." Proc., 6th Alexandria International Conf. on structural and geotechnical engineering, Alexandria University, 15-17 April 2007, pp. MG-1 – MG-13, Alexandria, Egypt.
19. **Abd Elshakour, H.**, Abdel-Razek, R., and Abdel-Samad, D. (2007). "Predicting production rate of pouring ready-mixed concrete using neural networks." Proc., 6th Alexandria International Conf. on structural and geotechnical engineering, Alexandria University, 15-17 April 2007, pp. MG-15 – MG-29, Alexandria, Egypt.
20. Abdel-Razek, R., **Abd Elshakour, H.**, and Negm, A. (2007). "Impact of inventory size and time buffer on construction labor productivity." Proc., 6th Alexandria International Conf. on structural and geotechnical engineering, Alexandria University, 15-17 April 2007, pp. MG-113 – MG-124, Alexandria, Egypt.
21. Abdel-Samad, D., **Abd Elshakour, H.**, and Abdel-Razek, R. (2006). "Enhancing competition through developing a neural network model for predicting production rate of the concrete pouring process." Proc., 8th international Conf. on management of competition opportunities and challenges, Management Engineering Society, 23-24 December 2006, Cairo, Egypt.
22. Abd Elhamid, M., **Abd Elshakour, H.**, and Abdel-Razek, R. (2005). "Improving construction labor productivity in Egypt using benchmarking." Proc., MES Conf. on project management: Vision for better future, Management Engineering Society, 21-22 November 2005, Cairo, Egypt.
23. Basha, I., Abdel-Razek, R., and **Abd Elshakour, H.** (1993). "Site analysis of Egyptian construction projects using Controller–Function chart." Proc., 4th international symposium on project management for development and growth, sponsored by Management Engineering Society and International Project Management Association, February 7- 10, 1993, pp. 387-402, Cairo, Egypt.
24. Basha, I., El-Diraby, T., and **Abd Elshakour, H.** (1991). "The construction of Ghamra bridge superstructure using Launching Truss." Proc., Al-Azhar 2nd International Conference, December 21-24, 1991, Cairo, Egypt.

Professional Memberships

1989 – to date	Member, Egyptian Society of Engineers
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Committee Membership

2/2009 – 6/2012	Member of Quality Unit and Accreditation, Civil Engineering Department, King Saud University Member of Academic Committee, Civil Engineering Department, King Saud University Member of Annual report committee, Civil Engineering Department, King Saud University
10/2017 – 09/2018	Member of the Faculty Postgraduate and Researches Committee, Faculty of Engineering, Zagazig University
10/2018 - 10/2020	Member of the Faculty Education and Student Affairs Committee, Faculty of Engineering, Zagazig University

Language and Computer

Arabic - Excellent - Mother tongue.

German - Very Good

English - Good.

Windows, Word, Excel, Primavera, MS Project, Multi-media ToolBook, Professional Brain Maker (Neural Software).

Date: 09/2024