

Curriculum Vitae: Academic and Practical Experience

1- Personality data:

Name	Abdel-Aziz Ahmed Ali Hassan
Date of Birth	28/7/1964
Position	Associate professor
Status	Married and have four children
Address	Civil Eng. Dept., Faculty of Eng., Assuit University, Assuit, Egypt
Tel.	088-2411713 work Fax 088-2332553 Mobile 01149511385, 01010522991

2-Academic Degrees:

- Bachelor of Science (**B. Sc.**) in Civil Eng. June 1987
- Master of Science (**M. Sc.**) in Civil Eng. (Structural Engineering), October 1994.
- Doctor in civil Engineering. (**Ph. D.**) The Study of Soil Reinforcement Interaction by means of Pull-out Tests), June, 2001

3-Practical Experiences:

- **Design** of **R.C.** and metallic structures and supervise the construction.
- **Prepare** of geotechnical report for the physical and mechanical properties of soil and foundation recommendations.
- **Quality** control of structures before, during and after the completion of construction.
- **Giving** practical training and courses in soil mechanics and design foundation to the construction engineers of the different organization

4-Practical Associations

- Member *Egyptian Association Engineering* from 1987 (registration No. 1677/14)
- Member in *Consulting Engineering Group* in the field of *Geotechnical Engineering* from 2000 ((registration No. 4901/1)

5- Academic experience

Position	Period	Courses
Demonstrator	From Dec. 1987 till October 1994	Structural analysis (<i>1st year civil, 2nd year civil and 3rd year civil</i>) Soil mechanics and foundation design (<i>2nd year civil and 3rd year civil</i>) Computer structural analysis (<i>4th year civil</i>)
Assistant lecturer	From October 1994 till June 2000	Structural analysis (<i>1st year civil, 2nd year civil and 3rd year civil</i>) Soil mechanics and foundation design (<i>2nd year civil and 3rd year civil</i>) Computer structural analysis (<i>4th year civil</i>)
Lecturer	From June 2000 till March 2009	Soil mechanics and foundation design (<i>2nd year civil and 3rd year civil, 3rd year architecture</i>) Advanced Soil Mechanics and foundation design (<i>post graduate student “master student”</i>) Civil Engineering project “Foundation Design “ (<i>4th year civil, optional course</i>) Computer structural analysis (<i>post graduate student “Master and Diploma student”</i>)
Associate professor	From March 2009 till now	Soil mechanics and foundation design (<i>2nd year civil and 3rd year civil, 3rd year architecture</i>) Advanced Soil Mechanics and foundation design (<i>post graduate student “master student”</i>) Civil Engineering project “Foundation Design “ (<i>4th year civil, optional course</i>) Computer structural analysis (<i>post graduate student “Master and Diploma student”</i>)

6- Publication

1. Senoon, A. A. (1964) **“Structural Behavior of Grid Subjected to Transverse Loading (Experimental and Theoretical approaches)”**. M. Sc. Thesis in 1994.
2. Fathal E., Fayze K., Ali G. and Hassan, A. (1994). **Load Distribution of Concrete Grids**”. Research Bulletin University of Halwan, Faculty of Eng., and Technology, Materia, Cairo.
3. Hassan, A. and Vanicek, I. (2000) **“PULL-OUT TESTS FOR GEOGRID SOIL REINFORCEMENT.”** Workshop 2000, CTU, Prague.
4. Hassan, A. and Vanicek, I. (2000) **Laboratory Pull-out Tests Evaluation for Geogrid Strip Reinforcement.** In Proceeding of the First International Conference on Geotechnical, Geoenvironmental Engineering and Management, In Arid Area (GEO200), Al Ain United Arab Emirates, November 4-7.
5. Hassan, A. (2000), **“THE STUDY OF REINFORCEMENT INTERACTION BY MEANS OF PULL-OUT TESTS.”** Ph. D Thesis in June 2000
6. Senoon, A. A. (2004) **LABORATORY PULL-OUT TESTS OF GEOGRID STRIP REINFORCEMENT.** Journal of Engineering Sciences, Assuit University, Vol. 32, No. 1 Pp.27-38, January 2004.
7. Senoon, A. A. and Farghal, O. A. (2003a). **“Influence of the Confinement, Soil Density, and Anchorage Length of Reinforcement on Soil Geogrid Interaction.”** In: Proceeding of the First International Conference of Civil Eng. Sciences, 7-8 Oct, 2003, Assuit, Egypt.
8. Senoon, A. A. and Farghal, O. A. (2003b).” **Different Models for Soil Reinforcement Interaction under Pull-out Load (Experimental and Theoretical).** In: Proceeding of the Fifth Alexandria International Conference on Structural and Geotechnical Eng. (ALCSCE5),20-22 Dec. 2003, Faculty of Eng. Alexandria University Alexandria, Egypt.
9. E. H. Ramadan, M. H. Hussein, A. A. Senoon and M. N. Hussien ” **Experimental and Finite Element Simulations of End Bearing Piled Raft Foundation.**” Journal of the Egyptian Geotechnical Society Vol. 15, Part 1 June 2004.
10. E. H. Ramadan, M. H. Hussein, A. A. Senoon and M. N. Hussien,”**NONLINEAR 3-DIMENSIONAL ANALYSIS OF END BEARING PILED RAFT FOUNDATION.**” In. Proceeding of the fifth International Conference on Structural and geotechnical Eng. (MLCSCE5), 20-22 December 2005, Faculty of Eng. , Mansour &Shaream El-Shekh, pp.135-149.
11. E. H. Ramadan, M. H. Hussein, A. A. Senoon and M. N. Hussien,”**Stress Distribution under Piled Raft Foundation.**” Journal of the Egyptian Geotechnical Society, Vol. 17 Part 2 Dec. 206.
12. Senoon, A. A. (2006),”**Effect of Lime Admixture on the Properties of Compacted Sandy soil,**” Journal of the Egyptian Geotechnical Society, Vol. 17 Part 2 Dec. 206.
13. Senoon, A. A. (2007), **“The Influence of Stone content on Compaction Characterizes of Granular Soil.”** Journal of Engineering Sciences, Assiut University, Vol. 32, No.1 pp. 27-38.

14. E. H. Ramadan, M. H. Hussein, A. A. Senoon and Ahmed A. Mohamed (2007). **BEHAVIOR OF CANTILEVER SHEET PILE WALL ADJACENT TO BUILDINGS.**” Journal of the Egyptian Geotechnical Society, Vol. 18 Part 1 June. 2007
15. Senoon, A. A. (2007),” **A Formula of calculation of Minimum Safety Factor using Friction Circle Method of Slopes.**” Journal of the Egyptian Geotechnical Society, Vol. 18 Part 2 Dec. 2007.
16. Senoon, A. A. (2007),” **Behavior of Strip Footing on Weak clay Stabilized with Sand Reinforced Soil using FEM.**” Journal of the Egyptian Geotechnical Society, Vol. 18 Part 2 Dec. 2007.
17. E. H. Ramadan, Mahmoud A. A., A. A. Senoon and Ashraf A. S., (2007).” **Reinforced Retaining Wall Resting on Improved Soil.**” Journal of Engineering sciences, El-Mena University.
18. E. H. Ramadan, Mahmoud A. A., A. A. Senoon and Ashraf A. S., (2007).” **Reinforced Retaining Wall Resting on Improved Soil.**” Journal of Engineering sciences, El-Mena University.
19. E.H. Ramadan, M. H. Hussein, A. A. Senoon and Ahmed A. Mohamed,: “**Effect of unbraced excavation in clayey soil on adjacent buildings.**”, In : Proceeding of the 17th International Conference on Soil Mechanics and Geotechnical Engineering, Alexandria, Egypt, 5-9 Octber 2009,pp 1774-177.
20. Mohamed A.M.R and Senoon, A. A.: “**Analytical solution of earth dam with upstream blanket.**” Alexandria Engineering Journal, Vol. 50, Issue 1 March 2011, pp. 45-51.
21. Mohamed A.M.R and Senoon, A. A.: “**Analytical solution of earth dam with upstream blanket.**” Alexandria Engineering Journal, Vol. 51, 2012, pp. 45-51.
22. Abdel-Aziz A. A. Senoon.: “**Effect of dry-wet tension crack on stability of slopes, considering earthquake forces.**”; In: Proceeding in 9th International Conference on the Role of Engineering Towards a Better Environment, (RETBE12)the Faculty of Engineering , Alexandria, Egypt.
23. Senoon , A. A. (2013).” **Passive earth pressure against retaining wall using log-spiral arc.** ”, Journal of Engineering Sciences, Faculty of Engineering, University of Assiut, Vol. (41), No. 1, pp. 113-135, (2013).
24. Senoon , A. A. (2014).” **Bearing capacity of strip footing using Krey's method (friction circle method)**”, Journal of Engineering Sciences, Faculty of Engineering, University of Assiut, Vol. (42), No. 1, pp. 112-128, (2014).
25. Senoon , A. A. (2014).” **Ultimate seismic bearing capacity of strip footing using modified Krey's method (friction circle method)** Journal of Engineering Sciences, Faculty of Engineering, University of Assiut, Vol. (42), No. 1, pp. 129-148, (2014).
26. Abdel-Aziz A. A. Senoon , Hanna Abo-Dahab and Ashraf Abo-Elwafa : “**Supporting Excavation in Soft Clay using Pile Wall System**; Proceeding in International Conference on Structural and Geotechnical Engineering, Ain Shams University ICSGE 14. Dec. 20-22, 2015, Cairo, Egypt.
27. Ebraheem Hasan Ramadan, Abdel-Aziz A. A. H. Senoon and Diao-Eldin A. Kotp **Numerical Analysis of Footing on Soft Clay Reinforced with Stone Columns**, International Conference on Advances in Structural and Geotechnical Engineering ICASGE'15, 6-9 April 2015, Hurghada, Egypt(2014),
28. Ebraheem Hasan Ramadan, Abdel-Aziz A. A. H. Senoon, Mohammed M. A. Hussein and Diao-Eldin A. Kotp , **Effect of Stone Density and Stone Cushion on the Behavior of Soft Soils Improved by Stone Columns**, Life Science Journal 2016;13(4), pp 19-30 <http://www.lifesciencesite.com>

29. Mahmoud N. Hussien, Ebraheem H. Ramadan, Mohamed H. Hussein, AbdelAziz A. A. Senoon & Mourad Karray (2016): Load sharing ratio of pile-raft system in loose sand: an experimental investigation, International Journal of Geotechnical Engineering, DOI: 10.1080/19386362.2016.1236224
30. Abdel-Aziz A. A. H. Senoon, Mostafa Abdou Abdel-Naiem, and Sharl M. Zarea, " Numerical Analysis of Prefabricated Vertical Sand Drains in Layered Soil", "The ninth Alexandria international conference on Structural and Geotechnical Engineering Department of Structural Engineering, Faculty of Engineering, Alexandria University, Egypt, 19 - 21 December 2016, HELNAN PALESTINE HOTEL ,ALEXANDRIA, EGYPT
31. Abdel- Aziz A. A. Senoon, " Ultimate capacity of bored pile cast-in situ from in-situ test and numerical method using FLAC3D", "The ninth Alexandria international conference on Structural and Geotechnical Engineering Department of Structural Engineering, Faculty of Engineering, Alexandria University, Egypt, 19 - 21 December 2016, HELNAN PALESTINE HOTEL ,ALEXANDRIA, EGYPT