CURRICULUM VITAE

Personal Data:

Name	***Ali Mohammed Ali Basha.***
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Academic Qualifications:

B.Sc.	Civil Engineering (2003), Faculty of Engineering, Tanta University.
GENERAL GRADE	Very Good, With Honor Degree: 83.61%.
GRAUATION PROJECT	Steel Structure.
PROJECT GRADE	Excellent.
MSc.	Structural Engineering (2010), Faculty of Engineering, Mansoura University
THESIS TITLE	Use of Sheet Piles to Control the Contaminant Transport through the Soil.
PhD	Structural Engineering (2014), Faculty of Engineering, Tanta University
THESIS TITLE	Consolidation Mechanism of Vacuum Preloading Technique For Soft Ground Improvement

Employment History:-

1- October 2003 – May 2004 work in Al Takwa Company for construction.
2- June – December 2004 work in El Behera Company.
3- March 2005- October 2007, demonstrator in Faculty of Engineering, Tanta University.
4- October 2007 – May 2010 demonstrator in Faculty of Engineering, Kafrelsheikh University.
5- Since May 2010 assistant lecturer in Faculty of Engineering, Kafrelsheikh University.
6- Since October 2014 lecturer in Faculty of Engineering, Kafrelsheikh University.
7- Since December 2019 Associate Professor in Faculty of Engineering, Kafrelsheikh University.

Research Interests :-

1- Geotechnical Engineering
   - Soil structure interaction,
   - Water structure interaction,
   - Soil dynamics,
   - Soil Hydraulics,
   - Tunnelling and its influence on adjacent ground and underground infrastructure,

2- Geo-environmental Engineering
   - Contaminant transport through the soil,
   - Ground barrier,
   - Remediation of contaminant soil.

Teaching Activities:-

1- Civil Drawing for First Year.
2- Engineering Geology for First Year.
3- Soil Mechanics 1 for Second Year.
4- Hydrology for Second Year.
5- Fluid Mechanics for Second Year.
6- Irrigation and Drainage Engineering for Second Year.
7- Soil Mechanics 2 for Third Year.
8- Hydraulics for Third Year.
9- Foundation Engineering 1 for Third Year.
10- Design of Irrigation Works 1 for Third Year.
11- Foundation Engineering 2 for Fourth Year.
12- Design of Irrigation Works 2 for Fourth Year.
13- Harbors, Navigation And Shore Protection for Fourth Year.
14- Water and Sanitary Networks for Fourth Year.
15- Dam and Reservoir Engineering for Fourth Year.
16- Graduation Project (Soil Mechanics and Foundations) for Fourth Year.
17- Graduation Project (Irrigation Structures and Hydraulics) for Fourth Year.

Conferences and Seminars :-

1- Tanta Symposium, 2005, Geoenvironmental Engineering.
2- Egypt – Japan Joint Symposium New Horizons in Geotechnical and Geoenvironmental Engineering, 15-17 September 2008, Faculty of Engineering, Tanta University, Egypt.
3- 6thInternational Conference on Environmental Hydrology, 28-30 September 2009, Cairo, Egypt.
4- GEOMEAST 2018 INTERNATIONAL CONGRESS AND EXHIBITION, 2018, Cairo, Egypt
5- The Eighth Alexandria International Conference On Structural And Geotechnical Engineering المؤتمر الدولي الثامن في الهندسة الانشائية و الجيوتقنية بجامعة الأسكندرية، مصر
6- International Conference on Advances in Structural and Geotechnical Engineering, 25-28March 2019, Hurghada, Egypt المؤتمر الدولي الثالث في الهندسة الانشائية والجيوتقنية كلية الهندسة جامعة طنطا بالغردقة

Publications:-

1- Basha, A., Al Nimr, A., Rashwan, I., Gabr, A., 2009, Use of Sheet Piles to Control Contaminant Transport Through the soil, Proceedings of the 6thInternational Conference on Environmental Hydrology, Cairo, Egypt.
2- Elezaby, A., Zayed, M., Fayed, S., Elzeir, M., Basha, A., 2009, Experimental Verification of Gradually Varied Flow Profile Computation, Proceedings of the 6thInternational Conference on Environmental Hydrology, Cairo, Egypt.
3- Basha, A., Al Nimr, A., Rashwan, I., Gabr, A., 2010, Effect of Sheet Piles on Contamination Transport through the Soil: Experimental and Numerical Study, 7th International Conference on Physical Modelling in Geotechnics, Zurich, Switzerland.
4- Salama, M. I., & Basha, A. M. (2019). Elastic buckling loads of partially embedded piles in cohesive soil. Innovative Infrastructure Solutions, 4(1). doi:10.1007/s41062-019-0198-z
5- Azzam, W. R., & Basha, A. M. (2018). Utilization of micro-piles for improving the sub-grade under the existing strip foundation: experimental and numerical study. Innovative Infrastructure Solutions, 3(1). doi:10.1007/s41062-018-0149-0
6- Basha, A., & Azzam, W. R. (2018). Uplift Capacity of Single Pile Embedded in Partially Submerged Sand. KSCE Journal of Civil Engineering. doi:10.1007/s12205-017-1715-2

7- Azzam, W. R., & Basha, A. (2017). Utilization of soil nailing technique to increase shear strength of cohesive soil and reduce settlement. Journal of Rock Mechanics and Geotechnical Engineering, 9(6), 1104–1111.doi:10.1016/j.jrmge.2017.05.009
8- Sakr, M., and Basha, A. (2019) Uses of Waste Tires in Geotechnical Application - A Review, Third International Conference on Advances in Structural and Geotechnical Engineering ICASGE'19, 25-28March 2019, Hurghada, Egypt
9- Basha, A., Sakr, M., and Al Nimr, A. (2014) AN EXPERIMENTAL STUDY ABOUT THE EFFECT OF VACUUM PRELOADING ON SOFT SOIL IMPROVEMENT, THE EIGHTTH ALEXANDRIA INTERNATIONAL CONFERENCE ON STRUCTURAL AND GEOTECHNICAL ENGINEERING (AICSGE8)
10- UTILIZATION OF SOIL NAILING TECHNIQUE TO INCREASE SHEAR STRENGTH OF COHESIVE SOIL AND REDUCE SETTLEMENT, MAY, 2017,(2), (SJR=1.522).
11- FINITE ELEMENT ANALYSIS OF TIE BEAMS UNDER THE EFFECT OF DIFFERENTIAL SETTLEMENT OF ISOLATED FOOTINGS, SEPTEMBER, 2017,(2).
12- UTILIZATION OF MICRO-PILES FOR IMPROVING THE SUB-GRADE UNDER THE EXISTING STRIP FOUNDATION-EXPERIMENTAL AND NUMERICAL STUDY, APRIL, 2018,(2).
13- UPLIFT CAPACITY OF SINGLE PILE EMBEDDED IN PARTIALLY SUBMERGED SAND, JUNE, 2018,(2), (JCR=1.428, SJR=0.33)
14- ELASTIC BUCKLING LOADS OF PARTIALLY EMBEDDED PILES IN COHESIVE SOIL, JANUARY, 2019, (2).
15- FLEXURAL BEHAVIOR OF CRACKED RC BEAMS RETROFITTED WITH STRAIN HARDENING CEMENTITIOUS COMPOSITES, FEBRUARY, 2019,(3), (JCR=1.428, SJR=0.33).
16- SHEAR STRENGTHENING OF RC BEAMS USING ALUMINUM PLATES: AN EXPERIMENTAL WORK, JUNE, 2019, (3), (JCR=4.047, SJR=1.522)
17- EFFECT OF SHEET PILE DRIVING ON GEOTECHNICAL BEHAVIOR OF ADJACENT BUILDING IN SAND; NUMERICAL STUDY, JUNE, 2019,(2).