

السيرة الذاتية للاستاذ الدكتور/ مصطفى عبد اللطيف محمد الصواف



الاسم : مصطفى عبد اللطيف محمد الصواف
تاريخ الميلاد : ١٩٦٧/٣/٥
الوظيفة الحالية : أستاذ الهندسة الجيوتقنية ووكيل كلية الهندسة لشئون التعليم والطلاب
رقم الموبايل : ٠١٠٠٦٨١٤٤٦٤
البريد الإلكتروني : mostafa.elsawwaf@f-eng.tanta.edu.eg
التدرج الأكاديمي
معيد بقسم هندسة الإنشاءات - ١٩٩٢/٩/٢٢ - كلية الهندسة - جامعة طنطا
مدرس مساعد بقسم هندسة الإنشاءات - ١٩٩٥/٧/٢٥ - كلية الهندسة - جامعة طنطا
مدرس بقسم هندسة الإنشاءات - ٢٠٠٢/٥/٢٨ - كلية الهندسة - جامعة طنطا
أستاذ مساعد بقسم هندسة الإنشاءات - ٢٠٠٧/٧/٢٨ - كلية الهندسة - جامعة طنطا
أستاذ الهندسة الجيوتقنية - ٢٠١٢/٩/٢٦ - كلية الهندسة - جامعة طنطا
رئيس قسم الهندسة الانشائية - من ٢٠١٤/١٢/٢ الى ٢٠٢١/٩/١٨
وكيل الكلية لشئون التعليم والطلاب كلية الهندسة - جامعة طنطا ٢٠٢١/٩/١٩ وحتى تاريخه
المؤهلات العلمية:

الدرجة العلمية	سنة الحصول على الدرجة	الجامعة / الكلية
البكالوريوس	عام ١٩٩٠	امتياز مع مرتبة الشرف جامعة الإسكندرية
الماجستير	عام ١٩٩٥	جامعة المنصورة
الدكتوراه	عام ٢٠٠٢	جامعة ليدز بالمملكة المتحدة

ثانياً: مظاهر التميز ومجال الخبرات

- إستشارى تصميم المنشآت الخرسانية المسلحة
- إستشاري الهندسة الجيوتقنية

ثالثاً: المشروعات والابتكارات بصورة عديدة تبين التميز البحثي

- نشر أكثر من ٥٠ بحثي دولياً.
- المشاركة في تأليف ٣ كتب علمية
- المشاركة في مشروع استخدام ناتج إعادة تدوير مخلفات البناء في العناصر الإنشائية والغير إنشائية باستخدام تقنية النانو تكنولوجي.
- مشرف على ٣٢ رسائل ماجستير و٥ دكتوراه وتم المنح في ١٧ رسالة ماجستير والمنح في ٢ دكتوراه
- المشاركة في التحكيم لعدد ٢٢ رسالة ماجستير ودكتوراه

رابعاً: الجوائز مع ذكر الأسماء والجهات المانحة

- جائزة الجامعة التشجيعية لعام ٢٠٠٧ - ٢٠٠٨ فى مجال العلوم الهندسية
- جائزة النشر الدولي للأبحاث العلمية بأكاديمية طندا لعدد ١٥ بحث دولي
- اختيار د مصطفى الصواف ضمن قائمة أفضل ٢% من علماء العالم الصادرة جامعة ستانفورد للعام ٢٠٢٠ - العام ٢٠٢١ - العام ٢٠٢٢

خامساً: الاستشارات للهيئات المعترف بها خارج الجامعة

- هيئة الأبنية التعليمية لمحافظة الغربية
- شركة المقاولون العرب فرع وسط وغرب الدلتا.
- شركة المياه والصرف الصحي.
- هيئة الطرق والكباري.

سادساً: مظاهر تميز أخرى خارج مجال البحث العلمي

- عضو اللجنة العلمية الدائمة لترقية الأساتذة والاساتذة المساعدين للهندسة الانشائية
- مكتب مراجعة معتمد بالمجموعة المصرية لتأمين المسؤولية المدنية عن أخطار أعمال البناء
- رئيس لجنة المنشآت الآيلة للسقوط لمراكز الرحمانية - المحمودية- شبراخيت - محافظة البحيرة
- عضو في جمعيات علمية دولية ومحلية

أولاً : المؤتمرات

- المؤتمر الدولي الخامس للهندسة الجيوتقنية جامعة القاهرة ١١-١٣/١/٢٠٠٥ - بحث مقبول.
- المؤتمر الدولي الحادى عشر للهندسة الإنشائية و الجيوتقنية جامعة عين شمس ١٧-١٩/٥/٢٠٠٥ - بحث مقبول.
- المؤتمر الدولي السادس للهندسة الإنشائية و الجيوتقنية جامعة الإسكندرية ١٤-١٦/٤/٢٠٠٧ - بحث مقبول.
- المؤتمر الدولي الثالث عشر للهندسة الإنشائية و الجيوتقنية - جامعة عين شمس ٢٧ - ٢٩/١٢/٢٠٠٩ - بدون بحث.
- مؤتمر الأزهر الهندسى الدولي الحادى عشر ٢١ - ٢٣ ديسمبر ٢٠١٠ - بحث مقبول.
- مؤتمر الإسكندرية الدولي السابع للهندسة الإنشائية و الجيوتقنية ٢٧ - ٢٩ ديسمبر ٢٠١٠ - بدون بحث.

ثانياً : ورش العمل

- Member of the Organizing Committee: The First International Geoenvironmental Forum "A New Strategy for Developing Communities and Environment", Tanta University, Egypt, 1-3 April 2006.
- Member of the Organizing Committee: First Geotechnical Engineering Symposium "Emerging Technologies in Geotechnical and Geoenvironmental Engineering _ Future Vision and Development Challenges", Tanta University, Egypt, April 29' 2007.
- Member of the Organizing Committee: Egypt-Japan Joint Symposium "New Horizons in Geotechnical and Geoenvironmental Engineering", Tanta University, Egypt 15-17 Sept. 2008.

الجمعيات العلمية الدولية وهيئات النشر

Professional Societies Membership

- Member, Egyptian Society of Civil Engineers.
- Member, Egyptian Syndicate of Professional Engineers.
- Member, Egyptian Society for Earthquake Engineering.
- Member, Egyptian Geotechnical Society.

Peer Reviewer for International Journals

محكم لمجلة دولية أجنبية

- Journal of Geotechnical and Geoenvironmental Engineering (ASCE).
- Geotextiles and Geomembranes.
- International Journal of Testing and Evaluation.
- Scientific Research and Essays.
- International Journal of Geomechanics and Engineering.
- Journal of Advanced Research
- International Journal of Physical Sciences
- The Arabian Journal for Science and Engineering

قائمة الابحاث التى تم نشرها

- (1) Dif, A.; **El Sawwaf, M.**; and Mahmoud, N. (1995) "Finite Element Analysis of Raft Foundations" Engineering Research Journal, Faculty of Engineering & Technology, Helwan University, Mataria, Cairo, Vol. 7, February.
- (2) **El Sawwaf, M.**; Dif, A.; Rabi, M.; Kassem, M.; and Mahmoud, N (1995) "Analysis of Raft Foundations Using a Simplified Technique" the Sixth Arabic Conference of Structural Engineering, Syria, October, 1995.
- (3) **El Sawwaf M.** and Nazir A. "Behavior of circular footings resting on confined granular soil." J. of Geotech. and Geoenvironmental Engrg. ASCE, (2005) Vol. 131, No. (3), pp. 359-366.
- (4) **El Sawwaf, M.** "Strip footing behavior on pile and sheet pile-stabilized sand slope." J. of Geotech. and Geoenvironmental Engrg, ASCE, (2005), Vol. 131, No. (6), pp. 705-715.

- (5) **El Sawwaf M.** and Nazir A. "Characteristics of Uniform Sand-swelling Clay Mixtures." The Fifth International Geotechnical Engineering Conference, Cairo University, January 11-13, (2005)
- (6) **El Sawwaf, M.** D.I. Stewart and T.W. Cousins "Vertical Compression of Sand Under a Footing Subjected to Dynamic Load" Eleventh International Colloquium on Structural and Geotechnical Engineering, 17-19 May 2005, Cairo – Egypt.
- (7) **El Sawwaf, M.** "Lateral resistance of single pile located near geosynthetic reinforced slope." J of Geotechnical and Geoenvironmental Engineering, ASCE, (2006), Vol. 132, No. (10), pp. 1336-1345.
- (8) **El Sawwaf M.** and Nazir A. "The effect of soil reinforcement on pullout resistance of an existing vertical anchor plate in sand." Computers and Geotechnics. (2006) Vol. 33, (3), pp167-176.
- (9) **El Sawwaf M.** "Behavior of strip footing on geogrid-reinforced sand slope over soft clay." Geotextiles and Geomembranes. (2007); Vol. 25, (1), pp. 50-60.
- (10) **El Sawwaf, M.** (2008) "The lateral behavior of vertical pile group embedded in reinforced sand slope." J of Geotechnical and Geoenvironmental Engineering ASCE, Vol. 134, No. (7), pp. 1015 – 1020.
- (11) **M. El Sawwaf,** D.I. Stewart and T.W. Cousins (2007) "A Distributed Element Model for Drained Triaxial Tests." Sixth Alexandria International Conference on Structural and Geotechnical Engineering, 14-16 April 2007, Alexandria – Egypt.
- (12) **El Sawwaf, M.** (2007), "Uplift Behavior of Horizontal Anchor Plates Buried in Geosynthetic Reinforced Slopes." Geotechnical Testing Journal, (2007), Vol. 30, No. 5
- (13) **El Sawwaf, M.** (2009) "Experimental and Numerical Study of Eccentrically Loaded Strip Footings Resting on Reinforced Sand." Journal of Geotechnical and Geoenvironmental Engineering ASCE, Vol. 135, No. 10, pp. 1509-1518.
- (14) **El Sawwaf, M.** (2010), "Experimental and Numerical Study of Strip Footing Supported on Stabilized Sand Slope." Geotechnical and Geological Engineering, Volume 28, No 4, pp 311-323.
- (15) **El Sawwaf, M.** (2010) "Experimental study of eccentrically loaded raft with connected and unconnected short piles." Journal of Geotechnical and Geoenvironmental Engineering ASCE, Vol. 136, No. 10, pp. 1394–1402.
- (16) **El Sawwaf, M.** & Nazer A. (2010) "Behavior of repeatedly loaded rectangular footings resting on reinforced sand" Alexandria Engineering Journal, 49(12) – 349-356.
- (17) **El Sawwaf, M.** 2010, "A model to predict the cyclic pore water pressure in sand" Al-Azhar Engineering Eleventh International Conference, December 21-23
- (18) **El Sawwaf, M.** & Nazer A. (2012) "Behavior of eccentrically loaded small scale ring footings resting on reinforced layered soil" Journal of Geotechnical and Geoenvironmental Engineering ASCE, (2012) Vol. 138, No. (3), pp. 376-384

- (19) **El Sawwaf, M.A., Nazir, A.K.** (2012) "Cyclic Settlement Behavior of Strip Footings Resting on Reinforced Layered Sand Slope" Journal of Advanced Research (2012) Vol. 3, 315–324.
- (20) **El Sawwaf, M.** & Nazer A. (2012) "The Effect of Deep Excavation-Induced Lateral Soil Movements on the Behavior of Strip Footing Supported on Reinforced Sand" Journal of Advanced Research (2012) Vol. 3, 337–344. Available online December, 3, 2011.
- (21) **Moustafa El Sawwaf,** Ahmed Nasr, Ahmed Farouk and Reda abdelhalim (2017) "Lateral Capacity of Piles Adjacent to Oil-Contaminated Sand Slopes." International Conference on Advances in Structural and Geotechnical Engineering ICASGE'17, 27-30 March 2017, Hurghada, Egypt.
- (22) **M. El Sawwaf,** A Nasr, Ahmed Farouk and Reda abdelhalim (2016) "Behavior of Laterally loaded piles embedded in Oil-Contaminated Sand Slopes." The Ninth Alexandria International Conference on Structural and Geotechnical Engineering, 19-21 December 2016, Alexandria, Egypt.
- (23) **M. El Sawwaf,** Ashraf Nazir , Wassem Azzam, Basma EL banan (2017) "Numerical study of strip footing resting on soft clay reinforced with stone columns." International Conference on Advances in Structural and Geotechnical Engineering ICASGE'17, 27-30 March 2017, Hurghada, Egypt.
- (24) Abdalla Eissa, **Moustafa El Sawwaf,** Marawan Shahin, Ahmed Nasr (2017) "Effect of Kerosine Contamination on Geotechnical Properties of Clayey Soils." International Conference on Advances in Structural and Geotechnical Engineering ICASGE'17, 27-30 March 2017, Hurghada, Egypt.
- (25) **M. A. El sawwaf,** A. K. Nazir, W. R. Azzam, F. F. El fekky (2016) "Behavior of single pile adjacent to slope embedded in reinforced sand under lateral load." Journal of Multidisciplinary Engineering Science Studies (JMESS) ISSN: 2458-925X Vol. 2 Issue 3, March – 2016
- (26) M Sobhey, **Mostafa El Sawwaf,** Marawan Shahien and Ahmed Farouk (2017) "Lateral pressure developed on piles in clay slopes: Numerical study." International Conference on Advances in Structural and Geotechnical Engineering ICASGE'17, 27-30 March 2017, Hurghada, Egypt.
- (27) **M. El sawwaf,** A. Nazir, W. Azzam, F. El Fekky (2016) "Slope Effect on Lateral Pile Capacity." The ninth Alexandria international conference on Structural and Geotechnical Engineering, 19-21 December 2016, Alexandria, Egypt.
- (28) Ayeldeen, M.K., Negm, A.M., **El Sawwaf, M.A.** (2016) "Evaluating the physical characteristics of biopolymer/soil mixtures." Arabian Journal of Geosciences, 9 (5), art. no. 371.
- (29) Ayeldeen, M., Negm, A., **El Sawwaf, M.,** Gädä, T. (2018) "Laboratory study of using biopolymer to reduce wind erosion." International Journal of Geotechnical Engineering, 12 (3), pp. 228-240.
- (30) Ayeldeen, M., Negm, A., **El-Sawwaf, M.,** Kitazume, M (2017) "Enhancing mechanical behaviors of collapsible soil using two biopolymers." Journal of Rock Mechanics and Geotechnical Engineering, 9 (2017), pp. 329–339.

- (31) M. A. M. Sakr, M. A. El Sawwaf, A. K. Nazir and A. K. Rabah⁴ (2014) "Behavior of Collapsible Soils Stabilized with Fibers" The eighth Alexandria international conference on Structural and Geotechnical Engineering, 14-16 April 2014, Alexandria, Egypt.
- (32) Abdelhalim, R.A., El Sawwaf, M., Nasr, A.M., Farouk, A. (2020) "Experimental and numerical studies of laterally loaded piles located near oil-contaminated sand slope" Engineering Science and Technology, an International Journal, 23 (4), pp. 744-757
- (33) M. A. Sakr, M. A. El-sawwaf, W. R. Azzam, Esraa . EL-disouky (2021) "Behavior Of Soft Clay Soil Stabilized With Lime Columns" Journal of Multidisciplinary Engineering Science Studies, Vol. 7 Issue 4, April - 2021
- (34) Sakr, M., El Sawwaf, M., Azzam, W., El-Disouky, E. (2021) " Improvement of shear strength and compressibility of soft clay stabilized with lime columns" Innovative Infrastructure Solutions, (2021) 6 (3), art. no. 133,
- (35) M. A. Sakr, M. A. El-sawwaf, W. R. Azzam, Esraa EL-disouky (2021) "Lime columns technique for the improvement of soft clay soil" Journal of Multidisciplinary Engineering Science Studies, Vol. 7 Issue 5, May – 2021
- (36) M. A. Sakr, M. A. El-sawwaf, W. R. Azzam, Esraa A. EL-disouky (2020) "**Utilization of lime columns for improving the soft clay - State of the art**" The 13 th International Geological Conference, 03-05 march 2020, Jeddah, Saudi Arabia
- (37) A. Nazir, M. El Sawwaf, W. Azzam, Mohamed Ata (2021) "Utilization of Marble Dust for Improving The Geotechnic Characteristics Of Collapsible Soil" Journal of Geological Research | Volume 02 | Issue 04 | October 2020
- (38) Sakr, M., Elsawwaf, M. and Rabah, A. (2020), "Deep Mixing Technique for Soft Clay Soil: A Review", 13th International Geological Conference (SSG 2020), Jeddah, Saudi Arabia.
- (39) Sakr, M., Elsawwaf, M. and Rabah, A. (2021), "Performance of Improved Ground by Deep Mixing Technique: State of the Art Review", Journal of Multidisciplinary Engineering Science Studies, 7(5), 3883-3892.
- (40) Sakr, M., Elsawwaf, M. and Rabah, A. (2021), "Bearing Capacity of End-Bearing Deep Mixing Columns", International Journal of Innovative Research in Science, Engineering and Technology, 10(6), 8340-8347.
- (41) Sobhey, M., Shahien, M., El Sawwaf, M., Farouk, A. "Analysis of Clay Slopes with Piles Using 2D and 3D FEM" (2021) Geotechnical and Geological Engineering, 39 (3), pp. 2623-2631.
- (42) Sobhey, M., Shahien, M., El Sawwaf, M., Farouk, A. "Point Load Index of Rocks Exposed to High Thermal Effect" (2021) Journal of Engineering Research.
- (43) M. El Sawwaf, A. K. Nazir, A. Farouk, Shimaa Saied , " Behavior of Two Parallel Strip Footings on a Sand Cushion over Clay " (2021) Journal of Multidisciplinary Engineering Science Studies (JMESS), Vol. 5, No. 3 – 2021

- (44) **M. El Sawwaf**, A. Nazir, W. Azzam, A Mohy (2018) "[Utilization of embedded ribs for improving the bearing capacity of raft foundation in sand .](#)"
- (45) Sobhey, M., Shahien, M., **El Sawwaf, M.**, Farouk, A. " [Stability of Clay Slopes using Piles: Numerical Study](#)" (2017) 6th International Young Geotechnic.
- (46) **M. El Sawwaf**, Ashraf K. Nazir, W. R. Azzam, Aml M. Elbakhery " Behavior of Laterally Anchored Retaining System in Loose Sand Soil " (2021) Journal of Engineering Research (ERJ) Vol. 5, No. 2 – 2021
- (47) **M. El Sawwaf**, Ashraf K. Nazir, W. Azzam, Dalia Zahran "Negative skin friction induced on single pile in soft clay- Numerical analysis" International Virtual Conference on. Smart Advanced Material Science & Engineering Applications, 03 rd – 05 th December 2020.
- (48) **M. El Sawwaf**, W. Azzam, Maram Awad " Behavior of Foundation on Reinforced Clay Sandy Soil Adjacent To Slopes And Subjected To Earthquake Load" (2021) Journal of Multidisciplinary Engineering Science Studies (JMESS), Vol. 7 Issue 10, October – 2021
- (49) **M. El Sawwaf**, W. Azzam, Engy Kassem, "An experimental study of the behavior of a strip footing adjacent to reinforced sand slope above a soft pocket" (2021) International Journal of GEOMATE, Nov., 2021, Vol.21, Issue 87, pp.118-127
- (50) **M. El Sawwaf**, W. Azzam, Engy Kassem" Bearing capacity of a strip footing adjacent to a sand slope with soft pocket" (2021) International Conference on Advances in Structural and Geotechnical Engineering, 29-31 March 2021,Hurghada-Egypt
- (51) **M. El Sawwaf**, A. Nasr and Mona H. Bayoumy "Shear Strength Characteristics of Cemented Clayey Sand Soil" (2021) Journal of Engineering Research (ERJ) Vol. 5, No. 2 – 2021
- (52) M. Sobhey, M. Shahien, **M. El Sawwaf**, and A. Farouk (2019) "Lateral pressure developed on piles in clay slopes: Numerical study." Journal of Multidisciplinary Engineering Science Studies (JMESS), Vol. 5 Issue 1, January - 2019.
- (53) **El Sawwaf, M.**, Shahien, M., Nasr, A., Magdy, A., "The applicability and load-sharing behavior of piled rafts in soft clay: experimental study", Innovative Infrastructure Solutions, 2022, 7(6), 362
- (54) Sakr, M.A., **Elsawwaf, M.A.**, Rabah, A.K. , "Numerical Study of Soft Clay Reinforced with Deep Cement Mixing Technique ," Indian Geotechnical Journal, 2022, 52(6), pp. 1487–1504
- (55) **Elsawwaf, M.A.E.**, Azzam, W.R., Kassem, E.M. , "BEHAVIOR OF REINFORCED SAND SLOPE WITH A SOFT POCKET– EXPERIMENTAL AND NUMERICAL STUDY," International Journal of GEOMATE, 2022, 22(94), pp. 47–58
- (56) **Elsawwaf, M.**, Shahien, M., Nasr, A., Magdy, A., "The behavior of piled rafts in soft clay: Numerical investigation," Journal of the Mechanical Behavior of Materials, 2022, 31(1), pp. 426–434

- (57) Elghrouby, N., **El Sawwaf, M.**, Azzam, W., Elsawwaf, A., "Enhancing the Lateral Behavior of Piled Rafts Over Soft Clay by Strengthening the Soil and Enlarging the Pile Diameter", *Indian Geotechnical Journal*, 2023, 53(6), pp. 1292–1308
- (58) **Elsawwaf, A., El Sawwaf, M.**, Nazir, A., ...Farouk, A., Etman, E. "Consolidation Effect on the Behavior of Micropiled Rafts Under Combined Loading: Case Study" , *Arabian Journal for Science and Engineering*, 2023, 48(10), pp. 13429–13448
- (59) Elsawwaf, A., **El Sawwaf, M.**, Farouk, A., Aamer, F., El Naggar, H., "Restoration of Tilted Buildings via Micropile Underpinning: A Case Study of a Multistory Building Supported by a Raft Foundation," *Buildings*, 2023, 13(2), 422
- (60) **El Sawwaf, M.A.**, Shahien, M.M., Nasr, A.M., Habib, M.S., "A comparative study of stabilising collapsible soil using different types of biopolymers", *Proceedings of the Institution of Civil Engineers: Ground Improvement*, 2023, 177(1), pp. 44–56
- (61) Bayoumy, M., **El Sawwaf, M.**, Nasr, A., Elsawwaf, A. , "Strength Characteristics of Clayey Sand Stabilized Using Polypropylene Fiber or Portland Cement", *Transportation Infrastructure Geotechnology*
- (62) **El Sawwaf, M.A.**, Shahien, M.M., Nasr, A.M., Habib, M.S., "Improvement of Collapsible Soil Characteristics Using Environmentally Friendly Materials" , *Indian Geotechnical Journal*, 2023, 53(5), pp. 1202–1212
- (63) **El Sawwaf, M.**, Azzam, W., Aamer, F., Abd El Ghaffar, A. "Laboratory modelling of stiffened deep mixing columns with variable diameter under vertical load in loose sand", *International Journal of Geotechnical Engineering*, 2024
- (64) Gado, T.A., Elkollaly, M., Guo, Y., ...Omara, H., **ElSawwaf, M.A.**, "Event-based rainfall analysis in Sinai, Egypt" , [Hydrological Sciences Journal](#), 2024, 69(5), pp. 622–638, 2023