



أ.د. موسى جواد الموسوي

تاريخ ومكان الولادة : 1949-12-14 – بغداد

التخصص : دكتوراه في الهندسة المدنية – الأسس والأبنية وميكانيك التربة

الشهادات :

- بكالوريوس في الهندسة المدنية – كلية الهندسة , جامعة الموصل -1970- بدرجة جيد جدا
- ماجستير هندسة مدنية – الأسس, جامعة برمنكهام – انكلترا
- دكتوراه في الهندسة المدنية – الاسسوميكانيك التربة – 1979- جامعة شيفلد – انكلترا

عنوان رسالة الماجستير :

الأسس الحصيرية , سلوك الروافد والأعمدة الرملية

عنوان اطروحة الدكتوراه:

تأثير الأحمال المكررة والمتذبذبة على سلوك المثبتات المجهدة مسبقا والغير مجهده في الرمل

المناصب السابقة والحالية :

- المستشار الثقافي في الملحقية الثقافية العراقية / لندن – المملكة المتحدة منذ 2013
- رئيس جامعة بغداد / بغداد – العراق (2003 – 2012)
- استاذ في قسم الهندسة المدنية – كلية الهندسة – جامعة بغداد- العراق – بغداد منذ 1979
- عميد كلية الهندسة –جامعة بغداد / العراق –بغداد 2003
- مدير المكتب الاستشاري الهندسي – كلية الهندسة – جامعة بغداد / بغداد – العراق – (1993 – 2003) .
- مهندس تصاميم إنشائية في مديرية المباني العامة / جامعة بغداد 1971 – 1975

النشاطات الأكاديمية :

التدريس (30 سنة) :

أ- الدراسات العليا :

- مادة تحسين التربة (قسم الهندسة المدنية)
- مادة ميكانيك التربة – متقدم (قسم الهندسة المدنية)
- مادة التصميم الأسس – متقدم (قسم الهندسة المدنية)
- مختبر ميكانيك التربة (قسم الهندسة المدنية)

ب – الدراسات الأولية :

- تصميم اسس – طلبة المرحلة الرابعة- قسم الهندسة المدنية
- ميكانيك تربة – طلبة المرحلة الثالثة – قسم الهندسة المدنية
- مختبر ميكانيك تربة – طلبة المرحلة الثالثة – قسم الهندسة المدنية
- التحاليل الهيكلية والتصاميم – طلبة المرحلة الثالثة – قسم الهندسة المعمارية.

ج- النشاطات البحثية

الإشراف على رسائل الماجستير واطاريج الدكتوراه :

(7) اطاريج دكتوراه

(24) اطروحة ماجستير

1. “ The Uplift capacity of Instrumented Model Under Reamed Piles “ (1985) , (Ciyamand Taheer Peer Dawood) .
M.Sc
2. “ Effect of Line Load on Retaining Walls “ (1987)
(Abdul – Kareem Hussain Ali). **M.Sc**
3. Behavior of Model under Reamed Piles in Cohesive Soils “(1988), (Basil Obayd Mahdi).
M.Sc
4. “the effect of repeated loading on the behavior of under reamed piles in sand “ (1989) (Khalid Rassim Al- Janabi) .
M.Sc

5. " Resistance of reinforced Earth to impact loading " (1989) (Moaid Al-Saffar) .
M.Sc
6. " the effect of repeated compression and alternating loading on the behavior of under reamed piles in sand " (1989)
(Jamal Shawkat Nouri) .
M.Sc
7. " Footing on reinforced Earth Subject to impact loading " (1991), (Hameed Hasson Hameed) .
M.Sc
8. Bukling of piles resting on incompressible layer " (1991) (Ahmed Abdul-Hameid Ahmed) .
M.Sc
9. " improvement of soil by Reinforcement to withstand varying amplitude cyclic loading " (1993) .
(Hayder M.H.Makkiya) .
M.Sc
10. "Bearing Capacity of Tubular Piles Used in the Reconstruction campaign" ,
(Ahmed M. Hachcm) .
M.Sc
11. "Effect of Percentage of Salt on Characteristics of Compacted Soil" (1995)
M.Sc (Hussan A. F. Al -Assadi)
12. "Buckling of long Piles in Soft Soils " , (1995) (Wael M. Al-Bawwab)
M.Sc
13. "the stability of Irrigations Channels and Drain Constructed oil Stiff Clays" , **M.Sc** (1996) (Mohammed Y. Fattah) .
14. "The Use of Nails for Soil Improvement " , (1997) (Senan R. Al-Omari)
M.Sc
15. "Improvement of Earth Slopes by Reinforcement" (1997),
PH.D
(Abbdulhadi M.Al-Saadi) .
16. "Performance of stone Columns in soft soil " (1998)
(Azad A.Ahmed) .
PH.D

17. "Replacement of f piles by Aggregate Columns" , (1999)
M.Sc
 (Falah H.Matosh) .
18. "Effect of 'Petroleum Products on Permeability" ,(1999)
 (Hadeel Abduljabbar) . **M.Sc**
19. "More Efficient Way used for Storing Petroleum Products- (1999) (Anwar L. Mohammed)
M.Sc
20. "Sand Columns to Increase Efficiency of Soft Soil " (1999)
 (Alaa- H.Alwan) **M.Sc**
21. "Efficiency of Aggregate Columns in Improvement of Weak Soils" (1999),
 (Amal Abdulgani) . **M.Sc**
- 22.- "Root Plies to Strengthen Ground" (Loay Kamel) **M.Sc**
- 23."Gypsus Soil Under Cyclic Load" (Ali L. Adeen) **M.Sc**
24. "Use of Non reinforced Concrete in Piles (Ahmed Abdul Hameed) .
Ph.D
25. "Finite Element Analysis of stress- Deformation and Mass Transport of Gypseous soils "
M.Sc
- 26- "Performance of laterally loaded piles Embedded in soil containing voids" (2005) MSC. (Saheem Moaid) .
M.Sc
- 27-"Performance of defect in situ concrete Pile" (2006)
 (Amal Abdulgani) . **Ph.D**
- 28- "Some engineering prosperities for Gypsies soils" (2004) **Ph.D**
 (Basil Abid Mahdi) .
- 29- "Factors affecting the behavior of plastic concrete" (2005) **Ph.D**
 (Mohammed Jameel) .

30- Bearing capacity of foundation subjected to Eccentric Loads on soils improved with industrial waste and dune sand/Baghdad University /M.Sc thesis /2009(Azhar Sadiq Al-Hillo) . **M.Sc**

31- " Time Dependent Analysis of Piled Raft Foundation " Ph.D Thesis / college of Engineering, University of Baghdad , 2010 . / **Ph.D.**

البحوث والدراسات المنشورة

1. " Performance of Professional Anchor under slow repeated loading", proceeding of the tenth International Conference on soil mechanics and foundation engineering Stockholm 15-19 June 1981 .
2. " Prediction of ultimate bearing capacity of a single and group of stone columns" , proceeding of the Iraqi conference on engineering ICE 16-19 Dec, 1985, Iraq .
3. " contribution of reams in the under reamed piles " , proceeding of the Iraqi conference on Engineering ICE 16-19 Dec, 1985, Iraq .
4. "Prediction of bearing capacity and displacement for multi under – reamed piles " , proceeding of the Iraqi conference on Engineering ICE 16-19 Dec, 1985, Iraq .
5. " simple formula for uplift capacity of under – reamed piles", proceeding of the second Iraqi conference on engineering University of Mosel , 1988 , Iraq .
6. " Effect of Line Load Position on the Distribution of Earth Pressure on Retaining Walls " , proceeding of the second Iraqi conference on engineering University of Mosel , 1988 , Iraq .
7. " Prediction of Earth Pressure on Walls due to External Load Using Finite Element Technique", proceeding of the second Iraqi conference on engineering University of Mosel , 1988 , Iraq .
8. " Evaluation of Pressure Cells in Retaining Walls " , Journal of Building Research , vol,7No2,Oct,1988,Iraq .

9. " Effect of two Line Load on a Laboratory Model Retaining Wall " , Journal of Building Research . Vol,8 NO,1, May 1988 , Iraq .
10. " The Effect of Varying Load Amplitude on the Behavior of Anchor " International Conference on foundation and Tunneling 1989 England .
11. "Prediction of the Uplift Capacity and Displacement of Multi Under – Reamed Piles " , proceeding of the fifth scientific conference – Scientific Research Council , vol 4 , part 2 , 1989 , Iraq .
12. " Lateral Pressure on a Vertical Instrumented Wall due to Line Load " , proceeding of the fifth scientific conference – Scientific Research Council , vol 4 , part 2 , 1989 , Iraq .
13. " Prosperities of Plastic Concrete Cut of Walls " , proceeding of the fifth scientific conference – Scientific Research Council , vol 4 , 1989 , Iraq .
14. " Development of Rock Fill use in Road Construction " eleventh IRF World Meeting 1989 Seoul KOREA .
15. " The Behavior of Soil Contamination with petroleum Product and Subject to cycle loading " , proceeding of the first scientific conference – ministry of housing and construction , March 1990 , Iraq .
- 16- " Resistance of Reinforced Earth to Impact Loading " , second international conference on Reinforced Earth , 1990- England .
- 17- " Prediction of Displacement and Fatigue Lives of Anchors " , the Jordanian conference on civil engineering , University of Jordan , June 1992, Amman – Jordan .
- 18- " Reinforced Earth response to Impact Loading" , International conference on reinforced soil , 1992 .

- 19-** " The Optimum Spacing of Reams of The Multi-Under – Reamed Piles in Cohesive Soils " , Basra University , 1994 .
- 20-**" Damage of Foundation Caused by Earthquake Loading " , 1995 Jordan .
- 21-** " Performance of Under-Reamed Piles Under Slow Repeated Loading " scientific journal of Tikrit University , 1995 .
- 22-** " Plastic Concrete Diagram Walls , Design and Construction " , journal of Engineering and Technology ,Baghdad , 1995 .
- 23-** " Performance of Under –Reamed Piles Subjected to Earth quick Loading " , International conference on Earth quick Engineering , 1995
- 24-** " The Effect of Cyclic Loading on the Behavior of Sand Saturated with Petroleum Products " , Al- Muhandis Journal , 1996 , Iraq .
- 25-** " Shear Strength and Stress – Strain Behavior of Sand Saturated with Petroleum Products " journal of Engineering and Technology ,Baghdad , 1997 , Iraq .
- 26-** " Effect of Lateral Loads on Buckling of Piles " , Journal of Arabic Universities Union , 1997 .
- 27-** " Prediction of Capacity and Settlement of a single aggregate Columns and a Group of Columns " , University of Baghdad , 1997 .
- 28-** " Shear Strength of Soil Reinforced by a Stone – Columns " , journal of engineering , college of engineering , University of Baghdad 1997 .
- 29-** " Improvement of Embankment Bearing Capacity by Reinforcement " , journal of engineering , college of engineering , University of Baghdad 1997 .
- 30-** " Construction of oil storage Tank Using No conventional Method " , ministry of oil , Baghdad .

- 31-** " Dynamic Consolidation . A Modern Method of Weak Soil Improvement " ,
Engineers journal , Baghdad , 1990 .
- 32-** "consulting and service works Contracts"
Ministry of Housing and Constructing , Baghdad, 1995.
- 33-**" Possible Design Capabilities Outside the International Sector "
- 34-** " Exposed Versus Encapsulated Facing Slopes Subjected to Static Loading",
Second .Jordanian Civil Engineering conference, Jordan, 1999.
- 35-** " The Reconstruction of Anna Minaret"
Arabic Universities Union journal . Vol, 7. No. 1, 2000.
- 36-** " Bearing Capacity of Square Footing on Geogrid – Reinforced Loose Sand to
Resist Eccentric Load " , Journal of Engineering University of Baghdad ; college
of Engineering No.2 , vol.16 , June 2010 .

(5-9)

- 36-** "Effect of Petroleum product on permeability of clayey soils",
(journal of the college of Engineering) Vol .7, N. 1, March 2001 .
- 37** - "Grouting of Kartisified Limestone Formulations", 3rd Jordanian Civil
Engineering , Conference. Jordan- 29-31 October 2001.
- 38.** " stabilization of slopes in soft areas using clay lining" , 3rd Jordanian civil
Engineering Conference. Jordan. 29-31 October 2001.
- 39.** "The use of The F.E.M to study the performance of stone columns in soft soil" ,
3rd Jordanian civil Engineering Conference. Jordan. 29-31 October 2001.
- 40.** " The use of -sand columns to improve soft soil " , 2nd Minia International
Conference for advanced Trends in Engineering, Egypt, 16-18 March 2002.
- 41.** "Thermal Analysis in Large Diameter Bored piles" , 6th International Conference
on Concrete Technology for Developing Countries, Jordan. 21-24 October 2002.

- 42.** "Buckling of long Piles in Soft soil ", 9th Arab Structural Engineering Conference. UAE, Nov. 29 Dec, 1, 2003.
- 43.** "Improvement of Earth Support by Soil Nailing Technique" , Journal of Engineering , college of engineering University of Baghdad, 1999).
- 44.** " Performance of Gypseous Soil Under the Effect of Cyclic Loading" journal of Engineering. College of Engineering University - of Baghdad. 2001.
- 45.** "Study of Group Action of Stone Column Using the F.E.M " , Journal of Engineering, College of Engineering. University of Baghdad. 2001.
- 46-** " detecting, the ability of tolerance and removing singular and a group of marbled Column" . A-Fatih Univ. Tarablus .
- 47.** " Contracts of consultation and services business" , symposium of coast calculation , ministry of construction Baghdad / Iraq /1995 .
- 48.** " The contract of Consultative offices in the University and their roles in the time of embargo and the future plans " . The 21th Arabic engineering conference , consultative engineering symposium , Egypt 1996 .
- 49-** " the consultative Offices in University and the future planes " . The first Arabic engineering, Conference in the time of the global changes / Syria .
- 50-** " Laterally Loaded Piles Embedded in Sand Soil with Cavities " journal of Engineering , No. 1 , Vol.13 March 2007 .
- 51-** " Bearing capacity of square footing on Geogrid-Reinforced Loose Sand to resist Eccentric Load / Handasa Journal" /university of Baghdad / 2009 .
- 52-** "Three Dimensional Analysis of Piled Raft Foundation " , Ph.D Thesis /University of Baghdad (2010).

● المشاركة في بعض المؤتمرات العالمية والاقليمية.

- ❖ Tenth International Conference on Soil Mechanics and Foundation Engineering, Stockholm – 1981.
- ❖ Iraqi Conference on Engineering ICE 85 – Iraq Baghdad 1985.
- ❖ Second Iraqi Conference on Engineering University of Mosul – Iraq – Baghdad – 1985.
- ❖ Second international Conference on Foundation and Tunneling – London – 1989.
- ❖ The Fifth Scientific Conference
- ❖ Scientific Research Council. Baghdad – Iraq – 1989.
- ❖ Second International Conference on Reinforced Earth , England 1990.
- ❖ the Jordanian Conference on civil Engineering
university of Jordan / Jordan – 1992 .
- ❖ International Symposium on Earth Reinforcement Practice. Fukuok – Japan -1992.
- ❖ The International Conference on Earthquake Engineering Amman. Jordan – 1995.

- ❖ Second Jordanian Civil Engineering Conference Amman. Jordan – 1999.
- ❖ 31h Jordanian Civil Engineering Conference Amman. Jordan – 2001 .
- ❖ Second Minia International Conference for advance trends in Engineering , Mina , Egypt 2002 .
- ❖ The 6th International Conference on Concrete Technology for Developing Countries. Amman. Jordan 2002.
- ❖ 9th Arab Structural Engineering Conference. Abu Dhabi UAE , Nov , 29 – Dec,1, 2003 .
- ❖ The scientific conference of Al- Faith university , Tripoli / Libya 1993 .
- ❖ Symposium about the effect of earth quick on institutions and the means of protecting them .
- ❖ The public institution for population and urban development , Jordan Amman 1995 .
- ❖ The first Arabic consultation engineering conference in the time of global changes, Damascus .
- ❖ Participation in many conferences on higher education held at different countries such as :
 - England 2004
 - UNISCO Paris 2004
- ❖ Participating in several conferences of the Arab Universities Union .
- ❖ Participating in different courses on federalism, management and administration.

- ❖ Keynote speaker in the conference held at the university of Waarek-Engeland 2006 .
- ❖ Round table seminar at Como - Italy on Event in Iraq 2005& 2006 .
- ❖ International Visitor Leadership Program – Bureau of Educational and Cultural Affairs in the Department of State / United state 2008 .
- ❖ International conference of the Iraqi efficiencies and experiences among emigrants 2008 .
- ❖ المشاركة في دورة تدريب القيادات الجامعية / المركز الثقافي البريطاني / اكستر/ بريطانيا 2009
- ❖ المشاركة في دورة تدريب القيادات الجامعية / المركز الثقافي البريطاني / نوتنكهام / بريطانيا 2007

القيام بحلقات دراسية مختلفة في موضوع هندسة ميكانيك التربة والأسس وكالاتي :

- ❖ - دورات تعليمية.
- ❖ حلقات دراسية اعتمدت من قبل مؤسسات هندسية مختلفة وشركات في العراق.

الخبرة العملية :

- ❖ خبرة خمس سنوات في موضوع البناء في مجالي الخرسانة وال فولاذ.
- ❖ خبرة تقييم واستشارة لاكثر من خمسة وعشرون سنة في مجال هندسة أسس وميكانيك التربة , وهذا يشمل:

- تصميم الأسس الضحلة والعقيمة.
- تقييم اختبارات الركائز.
- تحليل استقرارية الانحدارات.
- مشاريع ومصادقة تصاميم عدد من المشاريع العائدة للشركات الأجنبية العاملة في العراق ومنها :-
- الجدران الحاجزة.
- ركائز الألواح المثبتة.
- الحفر و التنقيب.
- السدود الاصطناعية.

3. توجيه و إدارة المشاريع العائدة الى مكتب الاستشارات الهندسية / جامعة بغداد المشاريع شملت :
الهندسة المدنية , الميكانيكية , الكهربائية , الري و البزل , الكيماوية , البيئة و المعمارية .

هـ) العضوية :

- أ) عضو الجمعيه العالميه لتكنولوجيا علم الارض .
- ب) عضو الاكاديميه العراقيه للعلوم و الهندسه .

- ت) عضو اتحاد الجامعات العربية .
- ث) عضو جمعية الفحوص الهندسية .
- ج) عضو في عدد من المجلات العراقية و الدوريات .
- ح) عضو نقابه المهندسين العراقيه .

خ) نشاطات مختلفه :

- رئيس و عضو لعشرات لجان امتحانيه للدراسات العليا (ماجستير و دكتوراه).
- رئيس و عضو لعدد من اللجان المختصه حول وضع المناهج الهندسية و تدريب الطلبة , اتحاد نقابه المهندسين العراقيه , الجمعية الهندسيه العراقيه .
- كتابه في مواضيع مختلفه حول التعليم العالي في العراق الصحف العراقيه و الاجنبيه .
- المشاركه في عدد من المقابلات و المناظرات التلفزيونيه و ابراز أهم معالم التعليم العالي في العراق .
- عضو اللجنه الاستشاريه الوطنيه للمشروع التعليمي في العراق .