





عباس عبد المجيد ذياب علاوي

دكتوراه في الهندسة المدنية تخصص انشاءات ماجستير في الهندسة المدنية تخصص انشاءات قسم الهندسة المدنية كلية الهندسة جامعة بغداد البريد الاليكتروني الرسمي

a.allawi@uobaghdad.edu.iq

▼ الاسم المستخدم في نشر البحوث حسب الكوكل سكولر

Abbas A. Allawi

◄ الاتجاهات البحثية

Finite Element Analysis, Structural Engineering, RC Structures, Strengthening & Retrofitting of Structures

◄ الدرجة العلمية

Professor







عباس عبد المجيد ذياب علاوي

دكتوراه في الهندسة المدنية تخصص انشاءات ماجستير في الهندسة المدنية تخصص انشاءات قسم الهندسة المدنية كلية الهندسة جامعة بغداد البريد الاليكتروني الرسمي

a.allawi@uobaghdad.edu.iq

◄ الأبحاث المنشورة

- 1. Global buckling load of steel columns strengthened by fiber reinforced polymers, University of Baghdad Engineering Journal, No. 1, Vol. 11, March 2005.
- 2. Stiffness matrix for haunched members with including effect of transverse shear deformations, Engineering and Technology Journal, University of Technology, No. 2, Vol. 25, 2007.
- 3. Dead load effect on the dynamic behavior of plates by using finite element method, Engineering and Technology Journal, University of Technology, No. 3, Vol. 25, 2007.
- 4. Confinement and expansion models for nonlinear analysis of reinforced concrete members, University of Baghdad Engineering Journal, No. 2, Vol. 13, June, 2007.
- 5. Theoretical study on torsional strengthening of multi-cell RC box girders. Word Academy Science, Engineering and Technology, Vol. 74, No. 1, 2013.
- 6. Nonlinear analysis of prestressed reinforced concrete beams strengthened with carbon fiber reinforced polymer laminates. Iraqi journal of Scince and Technology, Vol. 4, 2013.
- 7. Parametric Study for Prestressed Reinforced Concrete Beams Strengthened with Carbon reinforced Polymer Laminates, Iraqi journal of Scince and Technology ,Vol. 4, No. 2, 2013.
- 8. Behavior of strengthened RC columns with CFRP under biaxial bending. Journal of engineering, College of Engineering, University of Baghdad, No. 9, Vol. 13, 2013.
- 9. Torsional Analysis of Multicell Concrete Box Girders Strengthened with CFRP Using a Modified Softened Truss Model, ASCE Journal of Bridge Engineering, Vol. 20, No.8, 2014.
- 10. Behavior of strengthened RC short columns with CFRP under eccentric load. THE







عباس عبد المجيد ذياب علاوي

دكتوراه في الهندسة المدنية تخصص انشاءات ماجستير في الهندسة المدنية تخصص انشاءات قسم الهندسة المدنية كلية الهندسة جامعة بغداد البريد الاليكتروني الرسمي

a.allawi@uobaghdad.edu.iq

7TH ASIA PACIFIC YOUNG RESEARCHERS AND GRADUATES SYMPOSIUM, "Innovations in Materials and Structural Engineering Practices", 2015.

- 11. Behavior of CFRP strengthened reinforced concrete box girders under torsion. THE 7TH ASIA PACIFIC YOUNG RESEARCHERS AND GRADUATES SYMPOSIUM, "Innovations in Materials and Structural Engineering Practices", 2015.
- 12. The use of the artificial damped outriggers systems in tall RC buildings under seismic loading, University of Baghdad Engineering Journal, No. 4, Vol. 22, June, 2016.
- 13. Experimental behavior of laced reinforced concrete one way slab under static load, University of Baghdad Engineering Journal, No. 5, Vol. 22, June, 2016.
- 14. Seismic effects and static analysis for the artificial damped outriggers systems in tall RC buildings, University of Baghdad Engineering Journal, No. 6, Vol. 22, June, 2016.
- 15. Response of laced concrete one way slab to repeated loading, University of Baghdad Engineering Journal, No. 9, Vol. 22, June, 2016.
- 16. Strengthening and load testing for short span steel bridge for abnormal loads. Istanbul Bridge Conference, Turkey, 2016.
- 17. Structural behavior of laced reinforced concrete T-beam under monotonic loading, Engineering and Development Journal, College of Engineering, Al-Mustansiriya University, (under publishing), 2017.
- 18. Behavior of laced reinforced concrete beam under static loading, Engineering and Development Journal, College of Engineering, Al-Mustansiriya University, Vol. 21, No. 3, May 2017.
- 19. ECONOMICAL FEASABILITY STUDY FOR HOUSING COMPLEX PROJECT IN BAGHDAD, IRAQ, Journal of Economy and entrepreneurship, No. 2-2, Vol. 11, 2017.
- 20. Behavior of CFRP strengthened RC multicell box girders under torsion, Structural Engineering and Mechanics, Structural Engineering and Mechanics Journal, Vol. 61, No.







عباس عبد المجيد ذياب علاوي

دكتوراه في الهندسة المدنية تخصص انشاءات ماجستير في الهندسة المدنية تخصص انشاءات قسم الهندسة المدنية كلية الهندسة جامعة بغداد البريد الاليكتروني الرسمي

a.allawi@uobaghdad.edu.iq

3, 2017.

- 21. Strength of Reinforced Concrete Columns with Transverse Openings, University of Baghdad Engineering Journal, No. 10, Vol. 23, Oct. 2017.
- 22. Response of Laced Reinforced Concrete Beams to Fatigue Loading, International Journal of Science and Research (IJSR), Vol. 6, No. 5, May 2017.
- 23. Experimental Behavior of Laced Reinforced Concrete Beams Under Static Loading, International Journal of Science and Research (IJSR), Vol. 6, No. 4, March 2017.
- 24. ECONOMICAL FEASABILITY STUDY FOR HOUSING COMPLEX PROJECT IN BAGHDAD, IRAQ, Economics and entrepreneurship Journal, Vol. 11, No, 2-2, March 2017.
- 25. Behavior of Strengthened Composite Prestressed Concrete Girders under Static and Repeated Loading, Advances in Civil Engineering Journal, Hindawi, Volume 2017 (2017), Article ID 3619545, 13 pages.
- 26. Behavior of Precast Prestressed Concrete Segmental Beams, Civil Engineering Journal, Volume 4, No. 3, March 2018.
- 27. Moisture Susceptibility of Sustainable Warm Mix Asphalt, Advances in Civil Engineering Journal, Hindawi, Volume 2018 (2018), Article ID 3109435, 9 pages.
- 28. Response of Laced Reinforced Concrete Beams Subjected to Repeated Loading, Engineering and Development Journal, College of Engineering, Al-Mustansiriya University, Vol. 22, No. 1, Jan 2018.
- 29. Experimental Evaluation of Live Load Distribution of Steel-Concrete Composite Bridge, Proceedings of the 2018 Annual Conference on Experimental and Applied Mechanics.
- 30. A Case Study to Evaluate Live Load Distributions for Pre-stressed RC Bridge: Proceedings of the 2018 Annual Conference on Experimental and Applied Mechanics.







عباس عبد المجيد ذياب علاوى

دكتوراه في الهندسة المدنية تخصص انشاءات ماجستير في الهندسة المدنية تخصص انشاءات قسم الهندسة المدنية كلية الهندسة جامعة بغداد البريد الاليكتروني الرسمي

a.allawi@uobaghdad.edu.iq

- 31. Experimental Investigation of Segmental Post-tensioned Girders: Proceedings of the 2018 Annual Conference on Experimental and Applied Mechanics.
- 32. Strength and Serviceability of Reinforced Concrete Deep Beams with Large Web Openings Created in Shear Spans, Civil Engineering Journal, Volume 4, No, 11, November, 2018.
- 33. Equivalent Modulus of Asphalt Concrete Layers, Civil Engineering Journal, Volume 4, No. 10, October, 2018.
- 34. Moisture Susceptibility of Sustainable Warm Mix Asphalt, Advances in Civil Engineering Journal, Hindawi, Volume 2018 (2018), Article ID 3109435, 9 page.

▼ الكتب والمؤلفات

N/a







عباس عبد المجيد ذياب علاوى

دكتوراه في الهندسة المدنية تخصص انشاءات ماجستير في الهندسة المدنية تخصص انشاءات قسم الهندسة المدنية كلية الهندسة جامعة بغداد البريد الاليكتروني الرسمي

a. allawi@uobaghdad.edu.iq

◄ رسائل الماجستير الذي اشرف عليها

- 1. Nonlinear analysis of Prestressed Reinforced Concrete Girders Strengthened with CFRP Laminates, M. Sc. thesis, Engineering College, University of Baghdad, 2009.
- 2. Nonlinear Analysis of Eccentrically Loaded Reinforced Columns Strengthened with FRP, M.Sc. thesis Engineering College, University of Baghdad, 2011.
- 3. The Use of Artificial Damped Outriggers System in Tall RC Buildings Under Seismic Loading. M.Sc. thesis, Engineering College, University of Baghdad, 2015.







عباس عبد المجيد ذياب علاوي

دكتوراه في الهندسة المدنية تخصص انشاءات ماجستير في الهندسة المدنية تخصص انشاءات قسم الهندسة المدنية كلية الهندسة جامعة بغداد الاليكتروني الرسمي

a.allawi@uobaghdad.edu.iq

◄ اطاريح الدكتوراه الذي اشرف عليها

- 1. Behavior of Strengthened Retro-Fitted Columns with CFRP Under Biaxial Bending Moment, Ph.D. thesis, Engineering College, University of Baghdad, 2012.
- 2. Behavior of Reinforced Columns with Openings, Ph.D. thesis, Engineering college, University of Baghdad, 2012.
- 3. Torsional Resistance of Reinforced Concrete Multi-Cell Box Girder Strengthened With CFRP. Ph. D. thesis, Engineering College, University of Baghdad, 2013.
- 4. Structural Behavior of Laced Reinforced Concrete T-Beams Under Static and Monotonic Loadings. Ph. D. thesis, Engineering College, University of Baghdad, 2015.
- 5. Behavior of Reinforced Concrete One Way Lacing Slab Under Static and Monotonic Loads. Ph.D. thesis, Engineering College, University of Baghdad, 2015.
- 6. Behavior of Reinforced Concrete beams with lacing reinforcement under static and cyclic loads, Ph. D. thesis, Engineering College, University of Baghdad, 2017.
- 7. Performance and Load Capacity of Reinforced Concrete Beam with Large Web Openings in Shear Span, Ph. D. thesis, Engineering College, University of Baghdad, 2017.
- 8. Performance of Composite Concrete Steel Plate Shear Walls with Embedded Connectors, Ph. D. thesis, Engineering College, University of Baghdad, 2017.







عباس عبد المجيد ذياب علاوى

دكتوراه في الهندسة المدنية تخصص انشاءات ماجستير في الهندسة المدنية تخصص انشاءات قسم الهندسة المدنية كلية الهندسة جامعة بغداد البريد الاليكتروني الرسمي

a.allawi@uobaghdad.edu.iq

◄ رسائل الماجستير واطاريح الدكتوراه التي تم تقييمها

- 1. Load distribution for horizontally concrete on steel girder bridges. M.Sc. thesis, Engineering College, University of Baghdad, 2011.
- 2. Punching shear capacity of high strength reinforced concrete slabs with steel fiber. M.Sc. thesis, University of Technology, Building and Construction Engineering Department, 2012.
- 3. Flexural and shear strength of reinforced concrete T-beams with openings in flange strengthened by CFRP laminates. M.Sc. thesis, Engineering College, University of Babylon, 2012.
- 4. Behavior of reinforced concrete short rectangular columns strengthened by steel lattice framed jacket. M.Sc. thesis, Engineering College, University of Babylon, 2013.
- 5. Flexural behavior of steel concrete composite beam with openings and strengthened by CFRP laminates. M.Sc. thesis, Engineering College, University of Babylon, 2014.
- 6. Behavior of reinforced concrete beams subjected to full drilled cores. M.Sc. thesis. Engineering College, Al-Nahrain University, 2014.
- 7. Experimental behavior of axially loaded concrete columns confined with FRP materials. M.Sc. thesis. Engineering College, Al-Nahrain University, 2014.
- 8. Nonlinear finite element analysis of reinforced concrete slabs. M.Sc. thesis, University of Technology, Building and Construction Engineering Department, 2014.
- 9. Experimental behavior of concrete composite deep beams. M.Sc. thesis, University of Technology, Building and Construction Engineering Department, 2015.
- 10. Improvement the strength of steel perforated plate girders loaded in shear using CFRP laminates. M.Sc. thesis, University of Technology, Building and Construction Engineering Department, 2015.
- 11. Flexural and shear strength of non-prismatic reinforced high strength concrete beams







عباس عبد المجيد ذياب علاوى

دكتوراه في الهندسة المدنية تخصص انشاءات ماجستير في الهندسة المدنية تخصص انشاءات قسم الهندسة المدنية كلية الهندسة جامعة بغداد البريد الاليكتروني الرسمي

a.allawi@uobaghdad.edu.iq

with openings and strengthened with NSM-CFRP bars. M.Sc. thesis, Engineering College, University of Babylon, 2015.

- 12. Performance of circular fiber reinforced self-compacting concrete under cyclic loading. Ph.D. thesis, Engineering College, University of Babylon, 2015.
- 13. A study on the utility of waste materials to produce green concrete. M. Sc. thesis, University of Technology, Building and Construction Engineering Department, 2016.
- 14. Structural behavior of reinforced self-compacting concrete deep beams containing openings. M. Sc. thesis, University of Technology, Building and Construction Engineering Department, 2016.
- 15. Experimental and theoretical investigation for behavior of hybrid reinforced concrete corber-column connection. Flexural Ph. D. thesis, Engineering College, University of Babylon, 2016.
- 16. Structural behavior of vierendeel truss instead of bearing wall in precast construction. M. Sc. thesis, Al-Mustansiryah University, College of Engineering, 2016.
- 17. Retrofitting of high strength reinforced concrete failed under shear loading. M. Sc. thesis, University of Technology, Building and Construction Engineering Department, 2016.
- 18. Strengthening of two-way reinforced concrete slab using different techniques. M. Sc. thesis, University of Technology, Building and Construction Engineering Department, 2017.
- 19. Optimum analysis and design of curved reinforced concrete dams.. M. Sc. thesis, Engineering College, University of Anbar, 2017.
- 20. Effect of Foundation Stiffness on Response of Multistory Building. M. Sc. thesis, Engineering College, Al-Nahrain University, 2018.
- 21. Development Length of Tensile Reinforcement in Reactive Powder Concrete. Ph. D. thesis, University of Technology, Building and Construction Engineering Department, 2018.







عباس عبد المجيد ذياب علاوى

دكتوراه في الهندسة المدنية تخصص انشاءات ماجستير في الهندسة المدنية تخصص انشاءات قسم الهندسة المدنية كلية الهندسة جامعة بغداد البريد الاليكتروني الرسمي

a.allawi@uobaghdad.edu.iq

▼ رسائل الماجستير واطاريح الدكتوراه التي تم مناقشتها

- 1. Time dependent analysis of piled raft foundation. Ph. D. thesis, Engineering College, University of Baghdad, 2010. (Member).
- 2. Ultimate strength of reinforced concrete hollow circular members with steel fibers matrix under cyclic loads. M.Sc. thesis, Engineering College, University of Babylon, 2011. (Member).
- 3. The use of bracing dampers in steel buildings under seismic loading. M.Sc. thesis, Engineering College, University of Baghdad, 2011. (Chairman).
- 4. Effect of cross frame diaphragm on the live-load distribution for steel girder bridges. M.Sc. thesis, Engineering College, University of Baghdad, 2012. (Member).
- 5. Flexural behavior of bubbled reinforced concrete slabs. Ph. D. thesis, Engineering College, University of Baghdad, 2012. (Member).
- 6. Experimental and theoretical investigations of wind effects on high-rise buildings. M.Sc. thesis, Engineering College, University of Baghdad, 2013. (Member).
- 7. Behavior of hybrid fiber self compacted concrete exposed to high temperature. Ph. D. thesis, Engineering College, University of Baghdad, 2013. (Member).
- 8. Shear capacity of reinforced concrete beams using self compacted concrete with fiber inclusion. M.Sc. thesis, Engineering College, University of Babylon, 2013. (Member).
- 9. Shear behavior of RC beams reinforced with high performance shear steel. M. Sc. thesis, Engineering College, Al-Nahrain University, 2013. (Chairman).
- 10. Behavior of high strength concrete beams with varbon fiber reinforced polymer bars. Ph. D. thesis, Engineering College, University of Baghdad, 2013. (Member).
- 11. Response of reinforced concrete precast spliced girders to static and impact loads. Ph.D. thesis, Engineering College, University of Baghdad, 2014. (Member).







عباس عبد المجيد ذياب علاوي

دكتوراه في الهندسة المدنية تخصص انشاءات ماجستير في الهندسة المدنية تخصص انشاءات قسم الهندسة جامعة بغداد البريد الاليكتروني الرسمي

- 12. Punching shear behavior of thick reinforced concrete slabs. M. Sc. thesis, Building and Construction Engineering Department. University of Technology, 2014. (Member).
- 13. Comparison between energy equivalent SDOF and finite element models for reinforced concrete slabs subjected to blast pressure. M.Sc. thesis, Engineering College, University of Baghdad, 2014. (Member).
- 14. Behavior of composite girder subjected to repeated load and strengthened by CFRP products. M.Sc. thesis, Engineering College, University of Babylon, 2014. (Member).
- 15. Experimental and analytical investigation of minimum backfill cover of GRP pipes. M. Sc. thesis, Engineering College, University of Baghdad, 2014. (Chairman). (Member).
- 16. Nonlinear dynamic response of reinforced concrete buildings to skew seismic excitation. Ph.D. thesis, Engineering College, University of Baghdad, 2014. (Member).
- 17. Strengthening investigation of existing plate girder bridges by post-tensioning using scale down models. Ph. D. thesis, Engineering College, University of Baghdad, 2014. (Member).
- 18. Behavior of simply supported segmental reinforced concrete post-tensioned girders. M. Sc. thesis, Engineering College, University of Baghdad, 2015. (Member).
- 19. Flexural and shear behavior of reinforced concrete T-section beams composed of hybrid concrete. M.Sc. thesis, Engineering College, University of Babylon, 2015. (Member).
- 20. Torsional resistance of reinforced concrete girders with web openings. M. Sc. thesis, Engineering College, University of Baghdad, 2015. (Chairman).
- 21. Analysis of behavior of spliced RC girders strengthened with CFRP laminates. Ph.D. thesis, Engineering College, University of Babylon, 2015. (Member).
- 22. Nonlinear analysis of arch reinforced concrete hollow box beams with transverse openings. M.Sc. thesis, Engineering College, University of Babylon, 2016. (Member).







عباس عبد المجيد ذياب علاوى

دكتوراه في الهندسة المدنية تخصص انشاءات ماجستير في الهندسة المدنية تخصص انشاءات قسم الهندسة جامعة بغداد البريد الاليكتروني الرسمي

- 23. Experimental and theoretical studies on concrete castellated steel composite beams. M. Sc. thesis, Engineering College, University of Baghdad, 2016. (Member).
- 24. Behavior of reactive powder concrete beam reinforced with fiber reinforced polymer bars. Ph.D. thesis, Engineering College, University of Baghdad, 2016. (Member).
- 25. Punching shear strength of reactive powder concrete slabs with CFRP bars. Ph.D. thesis, Engineering College, University of Baghdad, 2016. (Member).
- 26. Experimental study of high strength concrete circular columns. M. Sc. Thesis, University of Technology, 2016. (Member).
- 27. Prestressed concrete prisms as reinforcement in continuous concrete beams. Ph. D. thesis, Engineering College, University of Baghdad, 2016. (Member).
- 28. Flexural and punching shear behavior of continuous bubbled reinforced reactive powder concrete flat slabs. Ph.D. thesis, Engineering College, University of Babylon, 2016. (Member).
- 29. Experimental and theoretical studies of orthotropic horizontally curved composite concrete-steel bridges. Ph.D. thesis, Engineering College, University of Baghdad, 2016. (Member).
- 29. Shear strength and behavior of self compacting reinforced concrete multiple span deep beams. Ph.D. thesis, Engineering College, University of Baghdad, 2016. (Member). 30. Enhancement in the load carrying capacity of normal concrete corbels strengthened with CFRP strips and subjected to monotonic or repeated loadings. Ph. thesis, Building and Construction Engineering Department. University of Technology, 2014. (Member).
- 31. The effect of adding waste plastic fibers (WPF) on the behavior of self compacted concrete under impact loads. M. Sc. thesis, Engineering College, University of Anbar, 2017. (Member).







عباس عبد المجيد ذياب علاوى

دكتوراه في الهندسة المدنية تخصص انشاءات ماجستير في الهندسة المدنية تخصص انشاءات قسم الهندسة المدنية كلية الهندسة جامعة بغداد البريد الاليكتروني الرسمي

- 32. Flexural and shear behavior of continuous RPC non- prismatic member under repeated loads. M. Sc. thesis, Engineering College, University of Babylon, 2017. (Member).
- 33. The experimental and finite element behavior of composite concrete unsymmetrical steel plates girders supporting out of plane loading. Ph. D. thesis, Engineering College, University of Babylon, 2017. (Member).
- 34. Experimental and Theoretical Investigation for Behavior and Ultimate Strength of Hybrid Continuous Concrete Deep Beams Reinforced with FRP Products. M. Sc. thesis, Engineering College, University of Babylon, 2017. (Member).
- 35. Nonlinear Finite Element Analysis of Strengthened Reinforce Concrete Columns M. Sc. thesis, Engineering College, University of Anbar, 2017. (Member).
- 36. Effect of High Temperature (Fire Flame) on the Behavior of the Composite Unprotected Steel –RC Deck Floors . Ph.D. thesis, Engineering College, University of Baghdad, 2017. (Member).
- 37. Finite Element Implementation in Mesoscopic Modeling of Concrete Failure. M. Sc thesis, Engineering College, University of Baghdad, 2018. (Chairman).
- 38. The P-Delta Effect on the Dynamic Response of high Rise Reinforced Concrete Buildings. M. Sc thesis, Engineering College, University of Baghdad, 2018. (Chairman).



السيرة الذاتية لاعضاء الهيئة التدريسية في قسم الهندسة المدنية كالمنافقة المندسة المائية المنافقة المن





عباس عبد المجيد ذياب علاوي

دكتوراه في الهندسة المدنية تخصص انشاءات ماجستير في الهندسة المدنية تخصص انشاءات قسم الهندسة جامعة بغداد البريد الاليكتروني الرسمي

a.allawi@uobaghdad.edu.iq

◄ البحوث التي تم تقييمها

- 1. Influence of cement as additive in improving granular material properties. Kufa Journal of Engineering, College of Engineering, University of Kufa, 2009.
- 2. Effect of shear force on mono-panel beam specimens. Kufa Journal of Engineering, College of Engineering, University of Kufa, 2010.
- 3. The shear effect on the eleastic critical buckling load on non-prismatic columns. Kufa Journal of Engineering, College of Engineering, University of Kufa, 2010.
- 4. Strengthening of cracked reinforced concrete T-beam by jacketing. Journal of engineering, College of Engineering, University of Baghdad, 2010.
- 5. Behavior of steel girders with semi-rigid bolted splice. Journal of engineering, College of Engineering, University of Baghdad, 2010.
- 6. Experimental observations on the behavior of a piled raft foundation. Journal of Engineering, College of Engineering, University of Baghdad, 2010.
- 7. Behavior of RC slabs under impact. Journal of engineering, College of Engineering, University of Baghdad, 2010.
- 8. Effect of additives on the properties of roller compacted concrete. Journal of Engineering, College of Engineering, University of Baghdad, 2011.
- Nonlinear finite element analysis of steel fiber reinforced concrete deep beams with and without openings. Journal of Engineering, College of Engineering, University of Baghdad, 2011.
- 10. The effect of cement and admixture types on the resistance of high performance concrete to internal sulphate attack. Journal of Engineering, College of Engineering, University of Baghdad, 2011.
- 11. Load distribution factors for horizontally curved composite concrete steel girder bridges. Journal of Engineering, College of Engineering, University of Baghdad, 2011.







عباس عبد المجيد ذياب علاوي

دكتوراه في الهندسة المدنية تخصص انشاءات ماجستير في الهندسة المدنية تخصص انشاءات قسم الهندسة المدنية كلية الهندسة جامعة بغداد البريد الاليكتروني الرسمي

- 12. Shear wall analysis using framework method: comparison with shell element method and column analogy. Journal of Engineering, College of Engineering, University of Baghdad, 2011.
- 13. Performance of steel base plates under the effect of axial and eccentric loading. Journal of Engineering, College of Engineering, University of Baghdad, 2011.
- 14. Effect of steel fibers addition on behavior of high strength concrete short columns. Journal of Engineering, College of Engineering, University of Baghdad, 2011.
- 15. Effect of transverse base restraint on the cracking behavior of massive concrete. Journal of Engineering, College of Engineering, University of Baghdad, 2011.
- 16. Effect of steel fibers addition on behavior of high strength concrete short columns. Journal of Engineering, College of Engineering, University of Baghdad, 2011.
- 17. Prestressed fiber reinforced polymer (FRP) for strengthening of concrete members. Journal of Engineering, College of Engineering, University of Baghdad, 2012.
- 18. The Effect of fire flame (high temperature) on the SCC one way slab. Journal of Engineering, College of Engineering, University of Baghdad, 2012.
- 19. Wave propagation analysis of long span structures. Journal of engineering, College of Engineering, University of Baghdad, 2012.
- 20. Stress wave investigations of reinforced concrete piles. Journal of Engineering, College of Engineering, University of Baghdad, 2012.
- 21. Fracture energy influence on the behavior of plain concrete beams. Basrah Journal of engineering Sciences, College of Engineering, University of Basrah, 2012.
- 22. The effect of stress wave investigations of reinforced concrete piles. Journal of Engineering, College of Engineering, University of Baghdad, 2012.
- 23. Modeling of bracing dampers in steel buildings under seismic loading. Journal of







عباس عبد المجيد ذياب علاوي

دكتوراه في الهندسة المدنية تخصص انشاءات ماجستير في الهندسة المدنية تخصص انشاءات قسم الهندسة جامعة بغداد البريد الاليكتروني الرسمي

a.allawi@uobaghdad.edu.iq

Engineering, College of Engineering, University of Baghdad, 2012.

- 24. Effect of cross frame diaphragms on the live load distribution factors for steel girder bridges. Journal of Engineering, College of Engineering, University of Baghdad, 2012.
- 25. A proposed method in assessment of smear effect on the bearing capacity of driven piles. Journal of Engineering, College of Engineering, University of Baghdad, 2012.
- 26. Experimental investigation of masonry arches strengthened with carbon fiber composites CFRP. Journal of Engineering, College of Engineering, University of Baghdad, 2012.
- 27. Exact stiffness matrix for non-prismatic beams with parabolic varying depth. Journal of Engineering, College of Engineering, University of Baghdad, 2012.
- 28. The effective width in composite steel concrete beams at ultimate loads. Journal of Engineering, College of Engineering, University of Baghdad, 2012.
- 29. Prediction of compressive strength of reinforced concrete structural elements by using combined non- destructive tests. Journal of Engineering, College of Engineering, University of Baghdad, 2012.
- 30. Assessing durability of roller compacted concrete. Journal of Engineering, College of Engineering, University of Baghdad, 2012.
- 31. Numerical prediction of bond-slip behavior in simple pull-out concrete specimen. Journal of Engineering, College of Engineering, University of Baghdad, 2012.
- 32. Nonlinear analysis on torsional strengthening of RC beams using CFRP laminates. Journal of Engineering, College of Engineering, University of Baghdad, 2012.
- 33. Failures modes for different structural types during earthquakes. Journal of Engineering, College of Engineering, University of Baghdad, 2012.
- 34. Numerical investigation of composite steel-concrete bridges by modified grillage method. Journal of Engineering, College of Engineering, University of Baghdad, 2012.
- 35. Buckling of slender cracked fixed free ended columns exposed to two cracks under







عباس عبد المجيد ذياب علاوي

دكتوراه في الهندسة المدنية تخصص انشاءات ماجستير في الهندسة المدنية تخصص انشاءات قسم الهندسة جامعة بغداد البريد الاليكتروني الرسمي

a.allawi@uobaghdad.edu.iq

concentric vertical load. Al-Taqani Journal. Foundation of Technical Education. 2012.

- 36. Retrofitting of reinforced concrete one-way damaged slabs exposed to high temperature. Journal of Engineering, College of Engineering, University of Baghdad, 2012.
- 37. A study of behavior of shell footing using finite element. A paper submitted to the first international conference o Geotechnical and Transportation Engineering ICGTE, University of Technology, 2013.
- 38. Compressive behavior of fiber reinforced concrete columns rehabilitated with CFRP wraps. Journal of Engineering, College of Engineering, University of Baghdad, 2013.
- 39. Finite element analysis of reinforced concrete T-beams with multiple web openings under impact loading. Journal of Engineering, College of Engineering, University of Baghdad, 2013.
- Finite element analysis of reinforced concrete T-beams with multiple web openings under impact loading. Journal of Engineering, College of Engineering, University of Baghdad, 2013.
- 41. Three dimensional finite element analysis of deep coupling beam using plastic damaged model of ABAQUS program under cyclic loading. A paper submitted to the conference of high studies researches, Al-Nahrain University, 2013.
- 42. The use of bracing dampers in steel buildings under seismic loading. Journal of Engineering, College of Engineering, University of Baghdad, 2013.
- 43. Experimental behavior of circular steel tublar column filled with self compacted concrete under concentric loading. Engineering and Technology Journal, University of Technology, 2013.
- 44. Structural behavior of reinforced concrete hollow beams under uniformly distributed load. Journal of Engineering, College of Engineering, University of Baghdad, 2013.
- 45. Laboratory study of the effect of reinforcement strips CFRP on the ductility and confinement of reinforced concrete columns. Journal of Engineering, College of Engineering, Al-Nahrain, 2014.







عباس عبد المجيد ذياب علاوي

دكتوراه في الهندسة المدنية تخصص انشاءات ماجستير في الهندسة المدنية تخصص انشاءات قسم الهندسة المدنية كلية الهندسة جامعة بغداد البريد الاليكتروني الرسمي

- 46. Impact analysis of reinforced concrete columns with side openings subjected to eccentric axial loads. Journal of Engineering, College of Engineering, University of Baghdad, 2014.
- 47. Effect of bedding types on the behavior of large diameter GRP flexible sewer pipes. Journal of Engineering, College of Engineering, University of Baghdad, 2014.
- 48. Experimental study on composite steel-concrete girders strengthened by using external post tensioning technique. Journal of Engineering, College of Engineering, University of Baghdad, 2015.
- 49. Time dependent analysis of composite beam with partial interaction connections for different types of shear connectors. Journal of Engineering, College of Engineering, Al-Nahrain University, 2015.
- 50. Behavior of UHPC corbel reinforcement ratio effect. A research paper submitted to the second International Conference on Building, Construction and Environmental Engineering BCEE2, American University of Beirut, Lebanon 2015.
- 51. Experimental behavior of composite deep beams. A research paper submitted to the second International Conference on Building, Construction and Environmental Engineering BCEE2, American University of Beirut, Lebanon 2015.
- 52. The behavior of soft story buildings considering structural under dynamic loads. A research paper submitted to the second International Conference on Building, Construction and Environmental Engineering BCEE2, American University of Beirut, Lebanon 2015.
- 53. Studying the combination effect of healing agents and micro steel fibers on cracks healing of self heating concrete dynamic loads. Journal of Engineering, College of Engineering, University of Baghdad, 2015.
- 54. Torsional resistance of reinforced concrete girders with web openings. Journal of Engineering, College of Engineering, University of Baghdad, 2015.
- 55. Nonlinear finite element analysis of steel fiber reinforced self compacting concrete (SFRSCC) beams strengthened by bottom steel plates interconnected by shear connectors.







عباس عبد المجيد ذياب علاوي

دكتوراه في الهندسة المدنية تخصص انشاءات ماجستير في الهندسة المدنية تخصص انشاءات قسم الهندسة المدنية كلية الهندسة جامعة بغداد البريد الاليكتروني الرسمي

- Journal of Engineering, College of Engineering, Al-Nahrain University, 2015.
- 56. Finite elements modeling of one way voided reinforced concrete slabs. Journal of Engineering, College of Engineering, Al-Nahrain University, 2015.
- 57. Behavior of reinforced concrete columns subjected to axial load and cyclic lateral load. Journal of Engineering, College of Engineering, University of Baghdad, 2015.
- 58. Behavior of high strength fiber concrete columns reinforced with glass fiber polymer bars and strengthened by carbon fiber reinforced polymers wrap. Engineering and Development Journal, College of Engineering, Al-Mustansiriya University, 2016.
- 59. Performance of composite steel-concrete beams with stud shear connectors under periodical loadings. 4th Scientific Conference (Construction Materials aand Design Requirements for Seismic Resistance), College of Engineering, Al-Nahrain University, 2016.
- 60. Cracking control due to early thermal movement of water tight continuous RC memebers. Journal of Engineering, College of Engineering, Al-Nahrain University, 2016.
- 61. Behavior of repaired composite modified reactive powder concrete I-section beams with opening under pure torsion. Engineering and Development Journal, College of Engineering, University of Mustansiriya, 2016.
- 62. Enhancement of mechanical properties of concrete by SCRPC to resist dynamic harmonic steady state analysis of RCC slab. Engineering and Development Journal, College of Engineering, University of Mustansiriya, 2016.
- 63. Effect of lap splicing high tensile steel bars in reactive powder concrete beams exposed to repeated loading. Engineering and Development Journal, College of Engineering, University of Mustansiriya, 2016.
- 64. Experimental investigating of recycled aggregate concrete filled steel tubular column. Engineering and Technology Journal, University of Technology, 2016.
- 65. The bending behavior of the steel circular hollow sections with openings. Journal of Arab Universities Union, College of Engineering, and Development Journal, College of







عباس عبد المجيد ذياب علاوي

دكتوراه في الهندسة المدنية تخصص انشاءات ماجستير في الهندسة المدنية تخصص انشاءات قسم الهندسة جامعة بغداد البريد الاليكتروني الرسمي

a.allawi@uobaghdad.edu.iq

Engineering, University of Baghdad, 2016.

- 66. Effect of construction joints on the behavior of reinforced concrete beams. Journal of Engineering, College of Engineering, University of Baghdad, 2016.
- 67. Experimental investigating of recycled aggregate concrete filled steel tubular column. Engineering and Technology Journal, University of Technology, 2016.
- 68. Push-out test of shear connectors in normal strength concrete and GFRP structural pultruded I-section, Engineering and Technology Journal, University of Technology, 2016.
- 69. Strengthening of two way reinforced concrete slab using different. Engineering and Technology Journal, University of Technology, 2016.
- 70. Effect of fire flame (high temperature) on the behavior of post-tensioning concrete beams. Journal of Arab Universities Union, College of Engineering, and Development Journal, College of Engineering, University of Baghdad, 2017.
- 71. Torsional behavior of the retrofitting reinforced concrete T-beams strengthened with CFRP strips. Al-Nahrain Journal of Engineering Science, College of Engineering, Al-Nahrain University, 2017.
- 72. Experimental study on curved composite I girder bridge subjected to IRAQI standard bridge live loads, Journal of Engineering Science and Technology (JESTEC), 2017.
- 73. Analysis of the soil foundation interaction of conical shell footing. A research paper submitted to the 3rd International Conference on Building, Construction and Environmental Engineering BCEE3-2017, Al-Manofiya University of Beirut, Egypt 2017.
- 74. Serviceability limit state of two way reinforced concrete slab strengthened with differenet techniques. A research paper submitted to the 3rd International Conference on Building, Construction and Environmental Engineering BCEE3-2017, Al-Manofiya University of Beirut, Egypt 2017.
- 75. Structural behavior of HS-SC reinforced concrete beams with longitudinal and transverse openings and strengthened by CFRP laminates. Engineering and Development Journal, College of Engineering, Al-Mustansiriya University, 2017.







عباس عبد المجيد ذياب علاوى

دكتوراه في الهندسة المدنية تخصص انشاءات ماجستير في الهندسة المدنية تخصص انشاءات قسم الهندسة المدنية كلية الهندسة جامعة بغداد الاليكتروني الرسمي

- 76. Cyclic Torsion Behavior of Prestressed ConcreteBeams, Anbar Journal of Engineering Sciences, College of Engineering, Anbar University, 2017.
- 77. Experimental Study of SCC Beams Strengthened by Vertical CFRP Shear Effect. University of Kufa, 2018.
- 78. Empirical Analysis of reinforced Concrte Column Material Change Based on Seismic zones. Journal of Engineering Science and Technology@ School of Engineering, Taylor's University, 2018.
- 79. Partially Prestressed Concrete Beams Under Limited Cycles of Repeated Loading. Journal of Engineering Science and Technology@ School of Engineering, Taylor's University, 2018.
- 80. Behavior of Clay Masonry Prism UNDER Vertical Load Using Detailed Micro Modeling Approach. Journal of Arab Universities Union, College of Engineering, and Development Journal, College of Engineering, University of Baghdad, 2018.
- 81. Numerical Parametric Study on the Factors Affecting the Behavior of Reinforced Concrete Thick Slabs Under Static Loading, Journal of Engineering, College of Engineering, Al-Nahrain University, 2018.
- 82. Effectiveness of Meso-Scale Approach in Modeling of Plain Concrete Beams. Journal of Engineering, College of Engineering, University of Baghdad, 2018.
- 83. A Classification Model of Concrete Compressive Strength Using Artificial Neural Networks. Al-Khwarzimi Engineering Journal, Al-Khwarimi Engineering College, University of Baghdad, 2018.