الانجازات العلمية

البحوث المنشورة

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| **ت** | **عنوان البحث** | **اسماء الباحثين** | **اسم المجلة / سنة النشر** |
| 1 | BEHAVIOR OF PARTIALLY SATURATED COHESIVE SOIL UNDER STRIP FOOTING | د. محمد يوسف فتاح  د. محمود ذياب احمد  هديل عمار محمد | مجلة كلية الهندسة –بغداد 2012 |
| 2 | Surface Free Energy for the Evaluation of Asphalt Binder Stripping | Saad Sarsam  Esraa T. Al – Azawee | Journal of Engineering, 2012 |
| 3 | Stepwise Optimization Modeling of Asphalt Concrete Mix Design | Saad Sarsam | Proceeding, CEBM, 2nd International Conference on Civil Engineering and Building Material (CEBM 2012) Hong Kong, November 17-18, 2012. |
| 4 | Assessing safety issues when using Mobile Phone while driving | Saad Sarsam | Proceeding, 6th Jordanian Conference of traffic safety, Amman- Jordan / 2012 |
| 5 | Assessing Driver Characteristics at Baghdad CBD | Saad Sarsam | Proceeding, 6th Jordanian Conference of traffic safety, Amman- Jordan / 2012 |
| 6 | diary factory  using Artificial neural network | Dr. Nawar Omran | University  of Technology Building and Construction Eng. Dept./ Water and Dams Eng. Branch / 2012 |
| 7 | Retrofitting Reinforced Concrete Damaged Short Column Exposed to High Temperature | Dr. Amer Farouk Izzat | Journal of engineering. 2012 |
| 8 | Retrofitting Reinforced Concrete One–Way Damaged Slabs Exposed to High Temperature | Dr. Amer Farouk  Dr. Jamal Abdulwahid Farhan | Journal of engineering. 2012 |
| 9 | Database for Baghdad soil using GIS Techniques | د عذراء هاشم | Journal of engineering. 2012 |
| 10 | تخطيط مسارات خطوط الضغط العالي واثره في تلوث هواء المدينة | د عذراء هاشم | مجلة التنمية 2012 |
| 11 | Empirical Equations for Analysis of Two-Way Reinforced Concrete Slabs. | د علي حسين الاحمد | Al-Khwarizmi Engineering Journal, 2012 |
| 12 | Alternative Cracking Shear Strength Equation for Reinforced Concrete Normal Beams without Stirrups. | د علي حسين الاحمد | Iraqi Journal of Civil Engineering, 2012 |
| 13 | Behavior of Eccentrically Loaded RC Columns Strengthened with FRP. | د علي حسين الاحمد | World Academy of Science, Engineering and Technology, 2012 |
| 14 | Effect of steel fibers on the properties of refractory free cement concrete. | د عبير عبد القادر | مجلة الهندسة,2012 |
| 15 | Effect of External sulfate attack on normal and accelerated curing strength of concrete containing fumed silica | Abbas, Z.K. ,  Al-Rawi, R.S.  Abdul-Hameed, F.F | International Scientific Conference of Al Mustansiriyah University ,2012 |
| 16 | Effect of Internal sulfate attack on normal and accelerated curing strength of concrete containing fumed silica", | Abbas, Z.K. ,  Al-Rawi, R.S.  Abdul-Hameed, F.F | International Scientific Conference of Al Nahrain University, 7-8 November, 2012. |
| 17 | The Effect of Different Types of Aggregate and Additives on the Properties of Self-Compacting Lightweight Concrete | Nada M. Fawzi  Qusay Jar-Allah Hachim | Journal of engineering. 2012 |
| 18 | The Effect Of Curing Types On Compressive Strength Of High Performance Concrete | NadaMahdi Fawzi Ahmed Saher Tawfeeq Agha | Journal of engineering. 2012 |

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| **ت** | **عنوان البحث** | **اسماء الباحثين** | **اسم المجلة / سنة النشر** |
| 19 | “Assessing Durability of Roller Compacted Concrete Sustainable Pavement | Saad Sarsam  Abeer AL-Rawi  Sura D. Tawfeeq | 9th International Conference, Concrete for Sustainable Construction, Kingdom of Bahrain, 2013 |
| 20 | Effect of Hydrated Lime on the Properties of Roller Compacted Concrete | Saad Sarsam  Abeer Salih  Suha Ghazi | Journal of Engineering. 2013 |
| 21 | Implementation of Pulse Velocity Measurement in the Assessment of Additives Impact on Roller Compacted Concrete Pavement | Saad Sarsam  Abeer AL-Rawi  Suha Ghazi | 9th International Conference, Concrete for Sustainable Construction, Kingdom of Bahrain, 2013 |
| 22 | Evaluation of Asphalt Binder Stripping using Surface Free Energy concept. | Saad Sarsam  Esraa T. Al – Azawee | Proceeding, The 2013 2nd International Conference on Applied Materials and Electronics Engineering. (AMEE in Hong Kong / 2013 |
| 23 | Prediction of Square Footing Settlement under Eccentric Loading on Gypsies Soil Through Proposed Surface for Dry and Soaked States | أ.م.د.بشرى سهيل زبار | The First International Conference for Geotechnical Engineering and Transportation (ICGTE / 2013) |
| 24 | Bearing Capacity of Shallow Footing on Compacted Dune Sand Underlain Iraqi Collapsible Soil" | أ.م.د.بشرى سهيل زبار | The First International Conference for Geotechnical Engineering and Transportation (ICGTE, 2013) |
| 25 | Geotechnical Properties of Compacted Silty Clay Mixed with Different Sludge Contents" | أ.م.د.بشرى سهيل زبار | The First International Conference for Geotechnical Engineering and Transportation (ICGTE, 2013) |
| 26 | Bearing Capacity of Shallow Footing on Compacted Filling Dune Sand over Reinforced Gypseous Soil" | أ.م.د.بشرى سهيل زبار | Accepted for Publication in Engineering Journal according to the order, 2013 |
| 27 | An attempt to Relate Consolidation Properties 'Case Study in Baghdad Soil" | أ.م.د.بشرى سهيل زبار | International Journal of Advances in Applied Sciences, 2013 |
| 28 | Bounding Surface Plasticity Model Parameters for Baghdad Soils" | أ.م.د.بشرى سهيل زبار | Proceedings of the 18th International Conference on Soil Mechanics and Geotechnical Engineering, to be held in Paris September, 2013 |
| 29 | Behavior of Machine Foundation Resting on Collapsible Soil" | أ.م.د.بشرى سهيل زبار | International Conference on Earthquake Geotechnical Engineering from Case Histories to Practice to be Held in Istanbul, Turkey 17-19, 2013 |
| 30 | Modeling BOD of the effluent from Abu-Dhraib | Dr. Awatif Soaded Al-saqqar | First International Conference on water resources engineering |
| 31 | Improvement of Soil by Using Polymer Fiber Materials Underneath Square Footing | Dr. Haider M. Mekkiyah | College of Eng. 2013 |
| 32 | Free Head Shear Test on Decomposed Granite Soil | Dr. Haider M. Mekkiyah | College of Eng. 2013 |
| 33 | APPLICATION OF REMOTE SENSING TECHNIQUES IN STUDYING THEPHYSICAL PROPERTIES OF CONTAMINATED SOIL | Dr. Mahdi O. Karkush | The EWDR scientific committee of the Geometrics of Middle East and North Africa 2013 |
| 34 | Studying the effect of contamination on the geotechnical properties of clayey soils | Dr. Mahdi O. Karkush | Simposio CPE Coupled Phenomena in Environmental Geotechnics / 2013 |

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| ت | عنوان البحث | اسماء الباحثين | اسم المجلة / سنة النشر |
| 35 | Statistical Models for Predicting the Optimum Gypsum Content in Concrete | Abbas, Z.K.,  Al-Rawi, R.S.  Al-Nemi A | Journal of engineering. 2013 |
| 36 | بعض خصائص الخرسانة خفيفة الوزن الخاليه من الركام الناعم المعجلة الانضاج | Abbas, Z.K., | Engineering and Technology Journal 2013 |
| 37 | فواقد مواد البناء اثناء مرحلة التنفيذ اسبابها وحجمها . دراسة تطبيقية على بعض المشاريع في السليمانية | د وليد مصطفى خماس  د عثمان كريم محمد  د كاظم رحيم | كلية الهندسة جامعة ديالى 2013 |
| 38 | نموذج قابلية التطبيق لمشروع بناء . تشغيل تحويل لمختبرات للفحوصات الهندسية في الجامعة العراقية | د كاظم رحيم  د انغام عز الدين الصفار | البحث والتطوير 2013 |
| 39 | Assessing the role of type of colloidal silica and deflocculates on properties of refractory concrete  free cement | د عبير عبد القادر | مجلة الهندسة والتنمية ,المجلد 17,العدد الاول 2013 |
| 40 | Combined effect of fineness modulus and grading zones of fine aggregate on fresh properties and compressive strength of self compacted concrete | د عبير عبد القادر | مقبول للنشر في مجلة الهندسة |
| 41 | Implementation of pulse velocity measurement in the assessment of additives impact on roller compacted concrete pavement. | د عبير عبد القادر | 9th International concrete conference & exhibition , 2013 |
| 42 | Assessing Durability of Roller Compacted Concrete Sustainable. | د عبير عبد القادر | 9th International concrete conference & exhibition , 2013 |
| 43 | Flexural Capacities of Two-Way Bubble deck Slab with Plastic Sphere Voids. | Amer M. Ibrahim,  Nazar K. Ali,  Wissam D. Salman | Accepted for publication in Diyala Journal of Engineering Sciences 2013 |
| 44 | Finite Element Analysis of reinforced Concrete Slabs with Spherical Voids | Amer M. Ibrahim, Nazar K. Ali, Wissam D. Salman | Accepted for publication in Diyala Journal of Engineering Sciences 2013 |
| 45 | Finite Element Analysis of Reinforced concrete T-Beams with Multiple Web Openings | Nazar K. Ali Oukaili  Abeer Hussein Shammari | European Journal of Scientific Research  2013 |
| 46 | Serviceability Performance of Externally Prestressed steel-Concrete Composite Girders | Nazar K. Ali Oukaili Mustafa Kamil Buniya | Journal of Engineering  2013 |
| 47 | Strengthening and Closing Cracks for Existing reinforced Concrete Girders Using External Post-Tensioning | Nazar K. Ali Oukaili  Ihab N. Issa Al-Shawi | Journal of engineering  2013 |
| 48 | The Use of Bracing in Steel Buildings Under Seismic Loading | Nazar K. Ali Oukaili,  Salah R. al-Zaidee  Najjiya M. Al-Mallah | Journal of engineering  2013 |
| 49 | Modeling of Bracing Dampers in Steel buildings Under Seismic Loading | Nazar K. Ali Oukaili,  Salah R. al-Zaidee  Najjiya M. Al-Mallah | the Asia – Pacific Conference on FRP in Structures, Melbourne, Australia / 2013 |
| 50 | Analytical Model for Strengthened Reinforced Concrete Beams by External Pre-stressing | Nazar K. Ali Oukaili  Ihab N. Issa Al-Shawi | the Asia – Pacific Conference on FRP in Structures, Melbourne, Australia / 2013 |
| 51 | Flexural Behavior and Sustainable Analysis of bubbled Reinforced Concrete Slabs | Amer M. Ibrahim,  Nazar K. Ali,  Wissam D. Salman | the Asia – Pacific Conference on FRP in Structures, Melbourne, Australia / 2013 |

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| 52 | Response of Reinforced concrete Beams with Multiple Web Openings to Static and Impact Loads | Nazar K. Ali Oukaili  Abeer Hussein Shammari. | the Asia – Pacific Conference on FRP in Structures, Melbourne, Australia / 2013 |
| 53 | Reduction of Pre-stress Force Near Supports in Partially Prestressed concrete Flexural Members | Nazar K. Ali Oukaili | the 12th Arab Structural engineering Conference / 2013 |
| 54 | Punching Shear Strength of Reinforced Concrete Flat Plates with Openings | Nazar K. Ali Oukaili  Thaar Saud Salman | Journal of engineering. 2013 |
| 55 | Effect of Metakaolin on Properties of Lightweight Porcelinate Aggregate Concrete | Nada M. Fawzi  KalilI. Aziz  Sheelan M. Hama | Journal of engineering. 2013 |
| 56 | Behavior of Fire Exposed Reinforced Concrete Rigid Beams with Restrained Ends | Mohammed Kadhum  Nada Mahdi Fawzi | Journal of engineering. 2013 |
| 57 | Effect of Petroleum Products on Steel Fiber Reinforced Concrete | Nada Mahdi Fawzi  Sara Alaa Abed AL-Ameer | Journal of engineering. 2013 |
| 58 | Measure and Analyze the problems of Concrete Mixture Production via Six Sigma Tools: Central Concrete Mix Plant as a case Study. | د انغام عز الدين الصفار | Advanced Materials Research 2013 |