

السيرة الذاتية (٢٠٢٤ - ٢٠٢٣)

ا.م.د. قيس صاحب الموسوي

الجامعة المستنصرية، كلية الهندسة

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ملخص تعريفي:

- اللقب العلمي: استاذ مساعد
- اللغات: الانكليزية، العربية.
- مجال الاهتمام: هندسة مدنية، هندسة الطرق والنقل، التبليط الخرساني

الشهادات الدراسية:

- Ph.D. هندسة مدنية/طرق ونقل: كلية الهندسة، جامعة غازي عنتاب، تركيا، (٢٠١٧).
- M.Sc. هندسة طرق ونقل/مواصلات: كلية الهندسة، الجامعة المستنصرية، العراق (٢٠٠٥)
- B.Sc. هندسة مدنية، كلية الهندسة، الجامعة المستنصرية، العراق (٢٠٠٠)

الجوائز والتكريم الاكاديمي:

- (60) شكر وتقدير، عميد كلية الهندسة، الجامعة المستنصرية، العراق
- (6) شكر وتقدير، وزير التعليم العالي و البحث العلمي، العراق.

الخبرة الاكاديمية والتدريس:

- سنوات الخبرة : ٢١ سنة

المقررات الدراسية التي تم تدريسها:

الدراسات العليا	الدراسات الاولى
تطوير و ادارة الطرق	برمجة لغة اساس (المرحلة الاولى)
	برمجة لغة فورتران (المرحلة الثانية)
	مختبرات تربة (المرحلة الثالثة)
	برامجيات الطرق (المرحلة الرابعة)
	صيانة الطرق (المرحلة الرابعة)
	مسارات الطرق (المرحلة الرابعة)

الانتساب المهني والجمعيات:

- لجان (عضو او رئيس لجان دائمية ومؤقتة في القسم بالاضافة الى لجان جامعية)
- عضو لجنة امتحانية
- عضو نقابة المهندسين العراقية
- عضو جمعية المهندسين العراقية
- مدير شؤون الطلبة والتسجيل في الكلية
- رئيس قسم الطرق و النقل

• بحوث علمية

- Banyhussan, Q. S. (2010a). Effect of Aggregate Gradation on Reducing Reflection Crack, *Journal of Engineering and Development*, Vol. 14, No. 2, 212-225.
- Banyhussan, Q. S. (2010b). The importance of Traffic Studies in the New Construction Highways: Case Study Abu-Gar Highway, *Journal of Engineering and Development*, Vol. 14, No. 4, 32-52.
- Asmael, N. M., Ahmed I. A., Banyhussan, Q. S. (2010). Effect of Additives Types and Contents on the Properties of Stone Matrix Asphalt Mixtures, *Engineering and Technology*, 28(21), 6414-6426.
- Banyhussan, Q. S. (2011). Evaluation and Improvement The Performance of Al-Qudus At-Grade Intersection in Baghdad city, *Journal of Engineering and Development*, Vol. 15, No. 2, 19-48.
- Yousif, R. A., Banyhussan, Q. S., Elk, D. S. (2012). Effect of Additives Types and Contents on Permanent Deformation, *Journal of Engineering and Development*, Vol. 16, No. 3, 225-268.
- Yildirim, G., Aras, G. H., Banyhussan, Q. S., Şahmaran, M., Lachemi, M. (2015). Estimating the self-healing capability of cementitious composites through non-destructive electrical-based monitoring. *Ndt & E International*, 76, 26-37.
- Banyhussan, Q. S., Yildirim, G., Bayraktar, E., Demirhan, S., Şahmaran, M. (2016). Deflection-hardening hybrid fiber reinforced concrete: The effect of aggregate content. *Construction and Building Materials*, 125, 41-52.
- Ahmed Mancy Mosa, Banyhussan Q. S., Rana Amir Yousuf (2017). Improvement of expansive soil properties used in earthworks of highways and railroads using cement kiln dust, *Journal of Advanced Civil Engineering Practice and Research*, 2550-1933 © Ababil Publishers
- Banyhussan Q. S., Ali j. Kadhim, Ali Al-Dahawi, (2018) Enhancement of Pavement Condition and Its Impact on Pavement Sustainability: Environmental and Economic Assessments. *Civil and Environmental Research*.
- Banyhussan Q. S., (2018). Enhancement of the Ductility Index of Concrete Pavement Using Moderate-Volume of Hybrid Fibers. *International Journal of Engineering & Technology*, 7 (4.20) (2018) 103-107.
- Ammar N. Hanoon, Salah R. Al Zaidee Banyhussan Q. S., Ali A. Abdulhameed, (2018). Modified Strut Effectiveness Factor for FRP-Reinforced Concrete Deep Beams. *International Journal of Engineering & Technology*, 7 (4.20) (2018) 485-490.

- Banyhussan, Q. S., Yildirim, G., Anil, Ö., Erdem, R. T., Ashour, A., & Şahmaran, M. (2019). Impact resistance of deflection-hardening fiber reinforced concretes with different mixture parameters. *Structural Concrete*.
- Demirhan, S., Yildirim, G., Banyhussan, Q. S., Koca, K., Anil, Ö., Erdem, R. T., & Şahmaran, M. (2019). Impact Behaviour of Nano-modified Deflection-hardening Fibre Reinforced Concretes. *Magazine of Concrete Research*, 1-46.
- Banyhussan, Q. S., Hanoon, A. N., Al-Dahawi, A., Yildirim, G., & Abdulhameed, A. A. (2020). Development of gravitational search algorithm model for predicting packing density of cementitious pastes. *Journal of Building Engineering*, 27, 100946.
- Aboud, G. M., Abdulwahab, A. M., Banyhussan, Q. S., & Zubaidi, H. A. (2019). A Case Study on Roundabout under Congestion: Proposal to Improve Current Traffic Operation. *Civil Engineering Journal*, 5(9), 2029-2040.
- Banyhussan, Q. S., Tayh, S. A., & Mosa, A. M. (2019, August). Economic and Environmental Assessments for Constructing New Roads: Case Study of Al-Muthanna Highway in Baghdad City. In *AWAM International Conference on Civil Engineering* (pp. 525-546). Springer, Cham.
- Qasim, G. J., Hussein, Z. M., & Banyhussan, Q. S. (2020). Evaluating the mechanical performance of hot asphalt mixtures modified with metakaolin as filler. *Periodicals of Engineering and Natural Sciences*, 8(1), 113-124.
- Mussa, F. I., Al-Dahawi, A. M., Banyhussan, Q. S., Baanoon, M. R., & Shalash, M. A. Carbon Fiber-Reinforced Asphalt Concrete: An Investigation of Some Electrical and Mechanical Properties.
- Attab, F. S., & Banyhussan, Q. S. Reduction the traffic congestion-induced vehicle emission by construction new road. Case Study in Baghdad City.
- Banyhussan Q. S., Qasim G. J., Al-Dahawi A. M, Jabar Y. H. Prediction of fracture parameters for asphalt mixtures using semi-circular bending test
- Salem, L. A., Taher, A. H., Mosa, A. M., & Banyhussan, Q. S. (2020). Chemical influence of nano-magnesium-oxide on properties of soft subgrade soil. *Periodicals of Engineering and Natural Sciences*, 8(1), 533-541.
- Banyhussan Q. S., Azaldeen Ali Abdulhussein, Lubna Najim Abdullah, Mahmood Ali Al-Haidary. Study the impact of railway crossing severity on the traffic characteristics
- Kadhim, A. J., Banyhussan, Q. S., & Jameel, A. K. (2020). Cost-effectiveness analysis of a road improvement proposal based on sustainability Indicators: Case study Al-Nebai-Baghdad highway. *Periodicals of Engineering and Natural Sciences*, 8(2), 916-932.
- Tayh, S. A., Yousif, R. A., & Banyhussan, Q. S. (2020). A COMPARATIVE STUDY OF PHYSICAL PROPERTIES USING VARIOUS GRADES ASPHALT BINDER WITH DIFFERENT TYPE OF FIBERS. *The Journal of Engineering Research [TJER]*, 17(1), 34-40.

- Al-Fahdawi, J. Z., & Banyhussan, Q. S. (2020). USING ECO-FRIENDLY CONCRETE MIXTURE FOR MINIMUM CRACKS RISK IN CONCRETE PAVEMENT AT EARLY-AGE. *Journal of Engineering and Sustainable Development*, 24(Special_Issue_2020).
- Abdulridha, M. A., Salman, M. M., & Banyhussan, Q. S. (2020, July). Prediction the Strength of Fibered Reinforced Concrete Pavement Using Response Surface Methodology: Parametric Study. In *IOP Conference Series: Materials Science and Engineering* (Vol. 881, No. 1, p. 012180). IOP Publishing.
- Al-Fahdawi, J. Z., & Banyhussan, Q. S. (2020, July). Optimization of Eco-friendly Pavement Concrete Mixture Using Response Surface Methodology. In *IOP Conference Series: Materials Science and Engineering* (Vol. 881, No. 1, p. 012179). IOP Publishing.
- Demirhan, S., Yildirim, G., Banyhussan, Q. S., Koca, K., Anil, Ö., Erdem, R. T., & Şahmaran, M. (2020). Impact behaviour of nanomodified deflection-hardening fibre-reinforced concretes. *Magazine of Concrete Research*, 72(17), 865-887.
- Erdem, T. K., Demirhan, S., Yildirim, G., Banyhussan, Q. S., Şahin, O., Balav, M. H., & Şahmaran, M. (2020). Effects of Mixture Design Parameters on the Mechanical Behavior of High-Performance Fiber-Reinforced Concretes. *Journal of Materials in Civil Engineering*, 32(12), 04020368.
- Hilal, N., Saleh, R. D., Yakoob, N. B., & Banyhussan, Q. S. (2021). Utilization of ceramic waste powder in cement mortar exposed to elevated temperature. *Innovative Infrastructure Solutions*, 6(1), 1-12.
- Kadhim, A., Al-Dahawi, A. M., & Banyhussan, Q. S. (2021, February). Mechanical and Piezoresistive Properties of Fibre Reinforced Concrete Pavement. In *IOP Conference Series: Materials Science and Engineering* (Vol. 1067, No. 1, p. 012031). IOP Publishing.
- Mosa, A. M., Salem, L. A., & Banyhussan, Q. S. Overcoming Concreting Problems of Rigid Pavements using Knowledge-Based System.
- Aboaljus, T. A., Banyhussan, Q. S., Mohammed, M. H., & Al-Fahdawi, J. Z. (2021, August). Effect of different parameters on coefficient of friction between rigid pavement and subbase layer. In *Journal of Physics: Conference Series* (Vol. 1973, No. 1, p. 012230). IOP Publishing.
- Abdulhameed, A. A., Hanoon, A. N., Abdulhameed, H. A., Banyhussan, Q. S., & Mansi, A. S. (2021). Push-out test of steel-concrete-steel composite sections with various core materials: behavioural study. *Archives of Civil and Mechanical Engineering*, 21(1), 1-21.

تطوير المهارات:

- شهادات لغة انكليزية (IC3)
- مؤتمرات
- ورش عمل
- دورات في نظام المعلومات الجغرافي (GIS)

م.م. عبد الله عبد الله
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Curriculum Vitae (2023-2024)

Assist. Prof. Dr. Qais Sahlb BANYHUSSAN



Mstansiriyah University/College of-Engineering

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SCOPUS: <https://www.scopus.com/authid/detail.uri?authorId=56820290300>

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qaisbanyhussan@gmail.com
qaisalmusawi@yahoo.com

PERSONAL SUMMARY:

- ACADEMIC RANK: ASSIST.PROF.
- LANGUAGE: ARABIC ,ENGLISH, TURKISH
- AREA OF INTEREST: CIVIL ENGINEERING, HIGHWAY AND TRANSPORTATION ENGINEERING, CONCRETE PAVEMENT, SOIL IMPROVEMENT, ASPHALT CONCRETE

EDUCATION:

- 1994-1995 baccalaureate degree (scientific section):Al noor School ,Baghdad, Iraq
- 1996-2000 BSc: Civil Eng. Dep./College of Eng./ Al-Mstansiriyah University
- 2001-2005 MSc: Highway and Transportation Dep. (Highway and Transportation/Highway and Transportation), College of Eng./ Al-Mstansiriyah University, Baghdad, Iraq.
- 2013-2017 PhD: Civil Eng. Dep.(Civil/Transportation), Faculty of Engineering, Gaziantep University, Turkey.

ACADEMIC HONORS AND AWARDS:

- (100) Acknowledgment , College of Eng./ Al-Mstansiriyah University
- (20) Acknowledgment, Minister of Higher education and scientific research

ACADEMIC / TEACHING EXPERIENCE

Courses Taught:

Under graduate	Graduate
Basic Programming (1 st Class)	Road Development and management
Fortran Programming (2 nd Class)	Advanced Highway maintenance
Soil laboratory (3 rd Class)	
Highway and transportation software (4 th Class)	
Highway maintenance (4 th Class)	
Highway route location (4 th Class)	

PROFESSIONAL AFFILIATIONS:

HEAD OF HIGHWAY AND TRANSPORTATION DEPARTMENT 2020-2023

The Committee on Quality Assurance

- Iraqi Engineering Union
- MANAGER OF STUDENTS AFFAIRS

PROJECTS AND WORK EXPERIENCE

1. Al Ghadak Company- Baghdad, Iraq (2005)

- Traffic study and (Economic feasibility study) of the Al-Daffas bridge in Baghdad
- Supervision and execution engineer for construction Al-Talbia bridge in Baghdad City.

2. Al Ghadak Company- Baghdad, Iraq (2008)

- Traffic study and (Economic feasibility study) of the Al-Daffas bridge in Ammara City
- Supervision and execution engineer for construction Al-Daffas bridge in Ammara City.

3. Al Ghadak Company- Baghdad, Iraq (2010)

- Traffic study and (Economic feasibility study) of the Al-Ethaa bridge in Baghdad
- Supervision and execution engineer for construction Al-Ethaa bridge in Baghdad City.

4. Al Ghadak Company- Baghdad, Iraq (2013)

- Supervision and execution engineer for construction many civil construction building in Baghdad City.

5. Al-Hadatha Company for General Design - Baghdad, Iraq (2006) .

- Traffic study and (Economic feasibility study) of the Al-Daffas bridge in Immara City.
- Member of the border road engineering design team (Al-Qaaim Road)

6. Al-Sadeem Design Company- Baghdad, Iraq (2007)

- (Economic feasibility study) of Maymoon bridge and roads in Al-Sumawa city (in the south of Iraq)

7. Mustainsiriyah University, Member of Engineering Consultancy Bureau, College of Engineering- Baghdad, Iraq (until now)

- (Economic feasibility study) of Abu-Ghar road in Al-Nasria city (in the south of Iraq)
- (Economic feasibility study) and the environmental impact for construction northern bridge of Sallahaldeen in Sallahaldeen city.
- (Economic feasibility study) and the environmental impact for construction Al-ashaqi bridge in Sallahaldeen city.
- (Economic feasibility study) and the environmental impact for construction bypass of Biji and interchanges in Sallahaldeen city.
- Participation in many engineering consultancies and approvals for civil engineering works, especially road and bridge works (2005- until now)

8. Karblaa Airport project (Inderia field Laboratory) 2019-2023

9. Al- Suara Airport project (Inderia field Laboratory) 2020- 2023

10. AL Binaa Engineering company, Member of the engineering design team for the bypass road in Karbala.

SKILLS AND INTERESTS

SKILLS

Knowledge in computer Operating system :

- Microsoft Office
- SPSS, Minitab, DoE statistical software
- AUTOCAD , Civil 3D Software
- GIS software
- SIDRA, HCS, TranCAD, others

INTERESTS

- Reading
- Social Works
- Travelling

PUBLICATIONS AND SUPERVISOR OF MANY UNDERGRADUATE AND GRADUATE STUDENTS:

- **Papers.**
- Banyhussan, Q. S. (2010a). Effect of Aggregate Gradation on Reducing Reflection Crack, *Journal of Engineering and Development*, Vol. 14, No. 2, 212-225.
- Banyhussan, Q. S. (2010b). The importance of Traffic Studies in the New Construction Highways: Case Study Abu-Gar Highway, *Journal of Engineering and Development*, Vol. 14, No. 4, 32-52.
- Asmael, N. M., Ahmed I. A., Banyhussan, Q. S. (2010). Effect of Additives Types and Contents on the Properties of Stone Matrix Asphalt Mixtures, *Engineering and Technology*, 28(21), 6414-6426.
- Banyhussan, Q. S. (2011). Evaluation and Improvement The Performance of Al-Qudus At-Grade Intersection in Baghdad city, *Journal of Engineering and Development*, Vol. 15, No. 2, 19-48.
- Yousif, R. A., Banyhussan, Q. S., Ellk, D. S. (2012). Effect of Additives Types and Contents on Permanent Deformation, *Journal of Engineering and Development*, Vol. 16, No. 3, 225-268.
- Yildirim, G., Aras, G. H., Banyhussan, Q. S., Şahmaran, M., Lachemi, M. (2015). Estimating the self-healing capability of cementitious composites through non-destructive electrical-based monitoring. *Ndt & E International*, 76, 26-37.
- Banyhussan, Q. S., Yildirim, G., Bayraktar, E., Demirhan, S., Şahmaran, M. (2016). Deflection-hardening hybrid fiber reinforced concrete: The effect of aggregate content. *Construction and Building Materials*, 125, 41-52.
- Ahmed Mancy Mosa, Banyhussan Q. S., Rana Amir Yousuf (2017). Improvement of expansive soil properties used in earthworks of highways and railroads using cement kiln dust, *Journal of Advanced Civil Engineering Practice and Research*, 2550-1933 © Ababil Publishers
- Banyhussan Q. S., Ali j. Kadhim, Ali Al-Dahawi, (2018) Enhancement of Pavement Condition and Its Impact on Pavement Sustainability: Environmental and Economic Assessments. *Civil and Environmental Research*.
- Banyhussan Q. S., (2018). Enhancement of the Ductility Index of Concrete Pavement Using Moderate-Volume of Hybrid Fibers. *International Journal of Engineering & Technology*, 7 (4.20) (2018) 103-107.

- Ammar N. Hanoon, Salah R. Al Zaidee Banyhussan Q. S., Ali A. Abdulhameed, (2018). Modified Strut Effectiveness Factor for FRP-Reinforced Concrete Deep Beams. *International Journal of Engineering & Technology*, 7 (4.20) (2018) 485-490.
- Banyhussan, Q. S., Yildirim, G., Anil, Ö., Erdem, R. T., Ashour, A., & Şahmaran, M. (2019). Impact resistance of deflection-hardening fiber reinforced concretes with different mixture parameters. *Structural Concrete*.
- Demirhan, S., Yildirim, G., Banyhussan, Q. S., Koca, K., Anil, Ö., Erdem, R. T., & Şahmaran, M. (2019). Impact Behaviour of Nano-modified Deflection-hardening Fibre Reinforced Concretes. *Magazine of Concrete Research*, 1-46.
- Banyhussan, Q. S., Hanoon, A. N., Al-Dahawi, A., Yildirim, G., & Abdulhameed, A. A. (2020). Development of gravitational search algorithm model for predicting packing density of cementitious pastes. *Journal of Building Engineering*, 27, 100946.
- Aboud, G. M., Abdulwahab, A. M., Banyhussan, Q. S., & Zubaidi, H. A. (2019). A Case Study on Roundabout under Congestion: Proposal to Improve Current Traffic Operation. *Civil Engineering Journal*, 5(9), 2029-2040.
- Banyhussan, Q. S., Tayh, S. A., & Mosa, A. M. (2019, August). Economic and Environmental Assessments for Constructing New Roads: Case Study of Al-Muthanna Highway in Baghdad City. In *AWAM International Conference on Civil Engineering* (pp. 525-546). Springer, Cham.
- Qasim, G. J., Hussein, Z. M., & Banyhussan, Q. S. (2020). Evaluating the mechanical performance of hot asphalt mixtures modified with metakaolin as filler. *Periodicals of Engineering and Natural Sciences*, 8(1), 113-124.
- Mussa, F. I., Al-Dahawi, A. M., Banyhussan, Q. S., Baanoon, M. R., & Shalash, M. A. Carbon Fiber-Reinforced Asphalt Concrete: An Investigation of Some Electrical and Mechanical Properties.
- Attab, F. S., & Banyhussan, Q. S. Reduction the traffic congestion-induced vehicle emission by construction new road: Case Study in Baghdad City.
- Banyhussan Q. S., Qasim G. J., Al-Dahawi A. M, Jabar Y. H. Prediction of fracture parameters for asphalt mixtures using semi-circular bending test
- Salem, L. A., Taher, A. H., Mosa, A. M., & Banyhussan, Q. S. (2020). Chemical influence of nano-magnesium-oxide on properties of soft subgrade soil. *Periodicals of Engineering and Natural Sciences*, 8(1), 533-541.
- Banyhussan Q. S., Azaldeen Ali Abdulhussein, Lubna Najim Abdullah, Mahmood Ali Al-Haidary. Study the impact of railway crossing severity on the traffic characteristics
- Kadhim, A. J., Banyhussan, Q. S., & Jameel, A. K. (2020). Cost-effectiveness analysis of a road improvement proposal based on sustainability Indicators: Case study Al-Nebai-Baghdad highway. *Periodicals of Engineering and Natural Sciences*, 8(2), 916-932.
- Tayh, S. A., Yousif, R. A., & Banyhussan, Q. S. (2020). A COMPARATIVE STUDY OF PHYSICAL PROPERTIES USING VARIOUS GRADES ASPHALT BINDER WITH DIFFERENT TYPE OF FIBERS. *The Journal of Engineering Research [TJER]*, 17(1), 34-40.

- Al-Fahdawi, J. Z., & Banyhussan, Q. S. (2020). USING ECO-FRIENDLY CONCRETE MIXTURE FOR MINIMUM CRACKS RISK IN CONCRETE PAVEMENT AT EARLY-AGE. *Journal of Engineering and Sustainable Development*, 24(Special_Issue_2020)
- Abdulridha, M. A., Salman, M. M., & Banyhussan, Q. S. (2020, July). Prediction the Strength of Fibered Reinforced Concrete Pavement Using Response Surface Methodology: Parametric Study. In *IOP Conference Series: Materials Science and Engineering* (Vol. 881, No. 1, p. 012180). IOP Publishing.
- Al-Fahdawi, J. Z., & Banyhussan, Q. S. (2020, July). Optimization of Eco-friendly Pavement Concrete Mixture Using Response Surface Methodology. In *IOP Conference Series: Materials Science and Engineering* (Vol. 881, No. 1, p. 012179). IOP Publishing.
- Demirhan, S., Yildirim, G., Banyhussan, Q. S., Koca, K., Anil, Ö., Erdem, R. T., & Şahmaran, M. (2020). Impact behaviour of nanomodified deflection-hardening fibre-reinforced concretes. *Magazine of Concrete Research*, 72(17), 865-887.
- Erdem, T. K., Demirhan, S., Yildirim, G., Banyhussan, Q. S., Şahin, O., Balav, M. H., & Şahmaran, M. (2020). Effects of Mixture Design Parameters on the Mechanical Behavior of High-Performance Fiber-Reinforced Concretes. *Journal of Materials in Civil Engineering*, 32(12), 04020368.
- Hilal, N., Saleh, R. D., Yakoob, N. B., & Banyhussan, Q. S. (2021). Utilization of ceramic waste powder in cement mortar exposed to elevated temperature. *Innovative Infrastructure Solutions*, 6(1), 1-12.
- Kadhim, A., Al-Dahawi, A. M., & Banyhussan, Q. S. (2021, February). Mechanical and Piezoresistive Properties of Fibre Reinforced Concrete Pavement. In *IOP Conference Series: Materials Science and Engineering* (Vol. 1067, No. 1, p. 012031). IOP Publishing.
- Mosa, A. M., Salem, L. A., & Banyhussan, Q. S. Overcoming Concreting Problems of Rigid Pavements using Knowledge-Based System.
- Aboaljus, T. A., Banyhussan, Q. S., Mohammed, M. H., & Al-Fahdawi, J. Z. (2021, August). Effect of different parameters on coefficient of friction between rigid pavement and subbase layer. In *Journal of Physics: Conference Series* (Vol. 1973, No. 1, p. 012230). IOP Publishing
- Abdulhameed, A. A., Hanoon, A. N., Abdulhameed, H. A., Banyhussan, Q. S., & Mansi, A. S. (2021). Push-out test of steel-concrete-steel composite sections with various core materials behavioural study. *Archives of Civil and Mechanical Engineering*, 21(1), 1-21.
- Aboaljus, T. A., Banyhussan, Q. S., & Mohammed, M. H. (2021). EFFECT OF CYCLE OF LOADING ON SUBBASE FRICTION CHARISARITICS UNDER RIGID PAVEMENT. *Journal of Engineering and Sustainable Development (JEASD)*, 25(Special_Issue_2021).
- Aboaljus, T. A., Banyhussan, Q. S., Mohammed, M. H., & Al-Fahdawi, J. Z. (2021, August). Effect of different parameters on coefficient of friction between rigid pavement and subbase layer. In *Journal of Physics: Conference Series* (Vol. 1973, No. 1, p. 012230). IOP Publishing
- Kareem, A. I., Banyhussan, Q. S., & Al-Taweel, H. M. (2022). Measurement of aggregates breakage of asphalt mixtures with construction and demolition waste. *Materials Today: Proceedings*, 61, 420-427.

- Mosa, A. M., Salem, L. A., & Banyhussan, Q. S. (2022). Chemical influence of magnesium oxide on the engineering properties of clayey soils used as road subgrade. *Journal of Engineering Science and Technology*, 17(4), 2615-2630.
- Mohammed, A. K., Al-Dahawi, A. M., & Banyhussan, Q. S. (2021). Effect of adding additional Carbon Fiber on Piezoresistive Properties of Fiber Reinforced Concrete Pavements under Impact Load. *Engineering and Technology Journal*, 39(12), 1771-1780.
- Ghanim, S. D., Banyhussan, Q. S. & Aboaljus, T. A. (2021). THE PUSHOUT STRENGTH OF CONCRETE PAVEMENT SLAB AND CLAY SOIL LAYERS. *Journal of Engineering and Sustainable Development (JEASD)*, 25(Special_Issue_2021).
- Mosa, A. M., Salem, L. A., & Banyhussan, Q. S. (2022). Treatment of cracking in rigid highway pavements using knowledge-based System. *International Journal of Innovation in Engineering*, 2(1), 68-77.
- Alkaissi, Z. A., & Banyhussan, Q. S. (2022). Impact of Vehicle Speed and Loading Time on Permanent Deformations of Asphalt Pavement. In *Current Trends in Geotechnical Engineering and Construction: Proceedings of 3ICGE-Iraq 2022* (pp. 453-462). Singapore: Springer Nature Singapore.
- Banyhussan, Q. S., Mosa, A. M., Hussein, A. N., & Sigar, E. J. (2023). Evaluating the Shear Strength of Subbase-subgrade Interface Using Large Scale Direct Shear Test. *International Journal of Innovation in Engineering*, 3(1), 35-47.

PROFESSIONAL DEVELOPMENT:

- Certifications in IC3 in computer skills
- Conferences.
- Workshops.
- Training course in GIS



معاون العميد للشؤون العامة



الاستاذ الدكتور
محمد هاشم محمد
رئيس قسم هندسة الطرق والنقل