

## Curriculum Vitae

**Assist. Prof. Dr. Qais Sahib BANYHUSSAN**

Al-Mstansiriyah University-----College of-Engineering

Mobile: 07729832075

E-mail: qaisalmusawi@uomustansiriyah.edu.iq

### PERSONAL SUMMARY:

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

### 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:

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

### ACADEMIC / TEACHING EXPERIENCE

- Years of Experience : 19 years

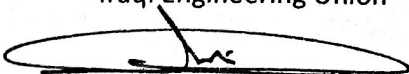
### Courses Taught:

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

- PROFESSIONAL AFFILIATIONS:  
HEAD OF HIGHWAY AND TRANSPORTATION DEPARTMENT

The Committee on Quality Assurance

- Iraqi Engineering Union



الرئيسة ا.م.د. هادي  
معاونة العميد للشؤون العلمية



رئيس قسم الطرق  
قيداً و تقييداً

• MANAGER OF STUDENTS AFFAIRS

**PUBLICATIONS:**

---

- **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., Yıldırım, G., Anıl, 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., Yıldırım, G., **Banyhussan, Q. S.**, Koca, K., Anıl, 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., Yıldırım, 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.

**PROFESSIONAL DEVELOPMENT:**

---

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

## السيرة الذاتية

ا.م.د. قيس صاحب الموسوي

الجامعة المستنصرية، كلية الهندسة

Mobile:07729832075

E-mail: qaisalmusawi@uomustansiriyah.edu.iq

### ملخص تعريفي:

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

### الشهادات الدراسية:

- Ph.D. هندسة مدنية/طرق ونقل: كلية الهندسة، جامعة غازي عنتاب، تركيا، (2017).
- M.Sc. هندسة طرق ونقل/مواصلات: كلية الهندسة، الجامعة المستنصرية، العراق (2005)
- B.Sc. هندسة مدنية، كلية الهندسة، الجامعة المستنصرية، العراق (2000)

### 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 : 19 سنة

### المقررات الدراسية التي تم تدريسها:

الدراسات العليا	الدراسات الاولية
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

الاستاذ المساعد الدكتور  
قيس صاحب الموسوي  
معاون العميد للشؤون العلمية

د.م.د.