

Curriculum Vitae

Abbas Fadhil Jasim

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

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PERSONAL SUMMARY:

- ACADEMIC RANK: ASSISTANT PROFESSOR
- LANGUAGE: ENGLISH, ARABIC
- AREA OF INTEREST: HIGHWAY AND TRANSPORTATION ENGINEERING, PAVEMENT MATERIAL, SUSTAINABLE MATERIAL

EDUCATION:

- 1995-1998 baccalaureate degree (scientific section): Kirkuk Central School ,Kirkuk, Iraq
- 1998-2002 BSc: Highway and Transportation Eng. Dep./College of Eng./ Al-Mstansiriyah University
- 2002-2005 MSc: Highway and Transportation Dep. (Highway and Transportation/Highway and Transportation), College of Eng./Al-Mstansiriyah University, Baghdad, Iraq.
- 2013-2018 PhD: Civil Eng. Dep.(Civil/Transportation), School of Engineering, Rutgers University, USA

ACADEMIC HONORS AND AWARDS:

- (10) Acknowledgment, College of Eng./ Mstansiriyah University
- (3) Acknowledgment, Mstansiriyah University

ACADEMIC / TEACHING EXPERIENCE

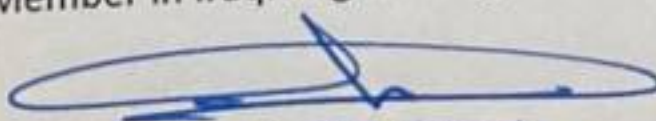
- Years of Experience : 20 years

Courses Taught:

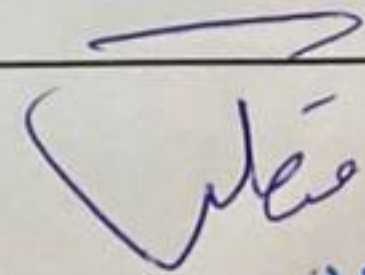
Under graduate	Graduate
Mathematics (1 st Class)	
Soil laboratory (3 rd Class)	
Highway and transportation software (4 th Class)	
Highway Geometric Design (4 th Class)	
Highway Geometric Design (Graduate studies)	

PROFESSIONAL AFFILIATIONS:

Member in Iraqi Engineering Union since 2003 (ID No. 115577)



الأستاذ المساعد الدكتور
عبدالله الفاضل الجاسم
معاونة العميد للشؤون العلمية



الم.د.
قيس فاضل الموسوي
رئيس قسم الطرق والنقل

14. **Jasim, A. F.**, Wang, H., Thomas Bennert (2019). *Evaluation of Clustered Traffic Inputs for Mechanistic-Empirical Pavement Design: Case Study in New Jersey*. Transportation Research Record
15. Yousif, R. A., Tayh, S. A., & **Jasim, A. F.** (2019, August). *Trip Distribution Gravity Model of Al-Diwaniyah City: A Case Study*. In AWAM International Conference on Civil Engineering (pp. 105-117). Springer, Cham.
16. **Abbas F. Jasim**, Israa Al-Saadi, and Anmar Al-Saadi (2018). "Evaluation of the Impact of Existing Condition and Overlay Characteristics on Asphalt Overlay Design and Performance based on a Mechanistic-Empirical Approach". International Journal of Engineering & Technology Vol. 7 Issue 4.20. pp 351-355.
17. Basim H. Al-Humeidawi and **Abbas F. Jasim** Huda A. Kadhim (2018). "Performance Evaluation of Conventional and High Modulus Asphalt Concrete with Novolac Polymer Modifier Using AASHTOware Software". International Journal of Engineering & Technology Vol. 7 Issue 4.20. pp 386-389.
18. **Jasim, A. F.**, Fattah, M. Y., Al-Saadi, I. F., & Abbas, A. S. (2020). Geogrid reinforcement optimal location under different tire contact stress assumptions. *International Journal of Pavement Research and Technology*, 1-9.
19. Abdulwahab, A. M., Torki, H. A., & **Jasim, A. F.** (2020, June). The Environmental Impact Reduction of Highway Traffic Congestion using Sustainable Tool. In IOP Conference Series: Materials Science and Engineering (Vol. 870, No. 1, p. 012076). IOP Publishing.
20. Ismael, M. Q., Fattah, M. Y., & **Jasim, A. F.** (2021). Improving the rutting resistance of asphalt pavement modified with the carbon nanotubes additive. *Ain Shams Engineering Journal*, 12(4), 3619-3627.
21. Ismael, M., Fattah, M. Y., & **Jasim, A. F.** (2022). Permanent Deformation Characterization of Stone Matrix Asphalt Reinforced by Different Types of Fibers. *Journal of Engineering*, 28(2), 99-116.
22. Yousif, R. A., Tayh, S. A., Al-Saadi, I. F., & **Jasim, A. F.** (2022). Physical and Rheological Properties of Asphalt Binder Modified with Recycled Fibers. *Advances in Civil Engineering*, 2022.

PROFESSIONAL DEVELOPMENT:

- Certifications in IC3 in computer skills
- Conferences.
- Workshops.



Member in the Kurdistan Engineers Union since 2010 (ID No.10149)

Member of the ACI (American Concrete Institute) since 2007(ID No.01109997)

Associate member of the American Society of Civil Engineers since 2017 (ID No. 10764545)

PUBLICATIONS:

1. Hamed Alani, Namir G.Ahmed, **Abbas F. Jassim**, " *Development of Statistical Model for the Prediction Permanent Deformation in Paving Materials*," Alhandasah Magazine, Baghdad University, No.2, volume12, June 2006.
2. Khalaf T.Mohammed, Namir G.Ahmed, **Abbas F. Jassim**, " *Improvement of Traffic capacity for Al-Mutanabi Square in Kut City*," Alhandasah Magazine, Baghdad University, No.3, volume13, September 2006.
3. **Abbas F. Jasim**, " *Traffic Studies Importance in the Projects of New Highway Construction, Case Study Al-Eshaqi Highway*," Engineering and Development Journal, College of Engineering, Al-Mustainsiriya University, No. 2, Volume 15, page 1 ISSN 1813-7822, June 2011.
4. Ahmed I. Ahmed, **Abbas F. Jasim**, " *Improvement of Traffic capacity for stadium intersection in Al-Samawah City*," Iraqi Journal of Civil Engineering, University of Al-Anbar, No.3, volume13, September 2011.
5. Albusoda, B. S., Al-Saadi, A. F., and **Jasim, A. F.** (2018). " *An experimental study and numerical modeling of laterally loaded regular and finned pile foundations in sandy soils*." Computers and Geotechnics, 102, 102-110.
6. Jasim, A., Wang, H., Yesner, G., Safari, A., and Maher, A. (2017). " *Optimized design of layered bridge transducer for piezoelectric energy harvesting from roadway*." Energy, 141, 1133-1145.
7. **Jasim, A.**, Yesner, G., Wang, H., Safari, A., Maher, A., and Basily, B. (2018). " *Laboratory testing and numerical simulation of piezoelectric energy harvester for roadway applications*." Applied Energy, 224, 438-447.
8. **Jasim, A. F.**, Wang, H., Yesner, G., Safari, A., & Szary, P. (2019). *Performance Analysis of Piezoelectric Energy Harvesting in Pavement: Laboratory Testing and Field Simulation*. Transportation Research Record, 2673(3), 115–124. <https://doi.org/10.1177/0361198119830308>
9. Wang, H., Al-Saadi, I., Lu, P., and **Jasim, A.** (2019). " *Quantifying greenhouse gas emission of asphalt pavement preservation at construction and use stages using life-cycle assessment*." International Journal of Sustainable Transportation, 1-10.
10. Wang, H., **Jasim, A.**, and Chen, X. (2018). " *Energy harvesting technologies in roadway and bridge for different applications—A comprehensive review*." Applied Energy, 212, 1083-1094.
11. Yesner, G., Jasim, A., Wang, H., Basily, B., Maher, A., and Safari, A. (2018). " *Energy Harvesting and Evaluation of a Novel Piezoelectric Bridge Transducer*." Sensors and Actuators A: Physical.
12. Yesner, G., Kuciej, M., Safari, A., **Jasim, A.**, Wang, H., and Maher, A. " *Piezoelectric energy harvesting using a novel cymbal transducer design*." Proc., Applications of Ferroelectrics, European Conference on Application of Polar Dielectrics, and Piezoelectric Force Microscopy Workshop (ISAF/ECAPD/PFM), 2016 Joint IEEE International Symposium on the IEEE, 1-4.
13. Yesner, G., Safari, A., **Jasim, A.**, Wang, H., Basily, B., and Maher, A. " *Evaluation of a novel piezoelectric bridge transducer*." Proc., Applications of Ferroelectric (ISAF)/International Workshop on Acoustic Transduction Materials and Devices (IWATMD)/Piezoresponse Force Microscopy (PFM), 2017 Joint IEEE International Symposium on the IEEE, 113-115.

السيرة الذاتية

عباس فاضل جاسم

الجامعة المستنصرية، كلية الهندسة

Mobile:07735002233

E-mail: abbas.jasim@uomustansiriyah.edu.iq

ملخص تعريفي:

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

الشهادات الدراسية:

- Ph.D. هندسة مدنية/طرق ونقل: جامعة رنكرز- الولايات المتحدة الامريكية , (2018).
- M.Sc. هندسة طرق ونقل/ طرق ونقل:كلية الهندسة ,الجامعة المستنصرية, العراق (2005)
- B.Sc. هندسة طرق ونقل,كلية الهندسة, الجامعة المستنصرية , العراق (2002)

الجوائز والتكريم الاكاديمي:

- 10 :شكر وتقدير, عميد كلية الهندسة, الجامعة المستنصرية,عراق
- 3 :: شكر وتقدير, رئيس الجامعة المستنصرية

الخبرة الاكاديمية والتدريس:

- سنوات الخبرة : 20 سنة

المقررات الدراسية التي تم تدريسها:

الدراسات العليا	الدراسات الاولى
	برمجة لغة اساس(المرحلة الاولى)
	مختبرات تربة (المرحلة الثالثة)
	برامجيات الطرق (المرحلة الرابعة)
	التصميم الهندسي للطرق (المرحلة الرابعة)
	التصميم الهندسي للطرق (الدراسات العليا)

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

الأستاذ المساعد الدكتور
عباس فاضل جاسم
معاون العميد للشؤون العلمية

فهد
أ.م.د.

قيس صاحب الموسوي
رئيس قسم الطرق والنقل

• بحوث علمية.

- Hamed Alani, Namir G.Ahmed, **Abbas F. Jassim**, " *Development of Statistical Model for the Prediction Permanent Deformation in Paving Materials*," Alhandasah Magazine, Baghdad University, No.2, volume12, June 2006.
- Khalaf T.Mohammed, Namir G.Ahmed, **Abbas F. Jassim**, " *Improvement of Traffic capacity for Al-Mutanabi Square in Kut City*," Alhandasah Magazine, Baghdad University, No.3, volume13, September 2006.
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- Basim H. Al-Humeidawi and **Abbas F. Jasim** Huda A. Kadhim (2018). " *Performance Evaluation of Conventional and High Modulus Asphalt Concrete with Novolac Polymer Modifier Using*

AASHTOware Software". International Journal of Engineering & Technology Vol. 7 Issue 4.20. pp 386-389.

- **Jasim, A. F., Fattah, M. Y., Al-Saadi, I. F., & Abbas, A. S. (2020).** Geogrid reinforcement optimal location under different tire contact stress assumptions. *International Journal of Pavement Research and Technology*, 1-9.
- **Abdulwahab, A. M., Torki, H. A., & Jaism, A. F. (2020, June).** The Environmental Impact Reduction of Highway Traffic Congestion using Sustainable Tool. In IOP Conference Series: Materials Science and Engineering (Vol. 870, No. 1, p. 012076). IOP Publishing.
- **Ismael, M. Q., Fattah, M. Y., & Jasim, A. F. (2021).** Improving the rutting resistance of asphalt pavement modified with the carbon nanotubes additive. *Ain Shams Engineering Journal*, 12(4), 3619-3627.
- **Ismael, M., Fattah, M. Y., & Jasim, A. F. (2022).** Permanent Deformation Characterization of Stone Matrix Asphalt Reinforced by Different Types of Fibers. *Journal of Engineering*, 28(2), 99-116.
- **Yousif, R. A., Tayh, S. A., Al-Saadi, I. F., & Jasim, A. F. (2022).** Physical and Rheological Properties of Asphalt Binder Modified with Recycled Fibers. *Advances in Civil Engineering*, 2022.

تطوير المهارات:

-
- شهادات لغة انكليزية (IC3)
 - مؤتمرات
 - ورش عمل

