



ALI ABDULHUSSEIN ABDULRIDHA ALMUSAWI

Atayurt Mahallesi
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PROFILE

I have a Bachelor's Degree in civil engineering from The University of Kufa, Iraq and a Master's Degree in Highway and Transportation Engineering from Universiti Teknologi Malaysia (UTM). I have a Ph. D. Degree in Highway and Transportation Engineering from Dokuz Eylul University. My research interests are Highway and Traffic Engineering.

MARITAL STATUS

Married and I have one Child

WORK EXPERIENCE

construction company

September 2011 — July 2012

Site Engineer

I was working as a Site Engineer and the project was aiming to build a Residential complex.

EDUCATION

Bachelor Degree in Civil engineering

September 2007 — July 2011

University of Kufa

Master Degree in Highway and Transportation engineering

September 2012 — February
2014

Universiti Teknologi Malaysia (UTM)

Thesis Title " **EFFECT OF CRUMB RUBBER SIZE AND CONTENT ON THE
PROPERTIES OF DRY MIXED RUBBERIZED ASPHALT MIXTURE**"

**Supervisor: DR. NORHIDAYAH ABDUL HASSAN (Universiti Teknologi Malaysia
(UTM))**

Ph. D.

September 2016 — January 2021

Dokuz Eylul University

Thesis Title " **INVESTIGATION OF MIXING AND COMPACTION TEMPERATURES
OF ASPHALT THROUGH DIFFERENT VISCOSITY MODELS**"

Supervisor: PROF. DR. Burak SENGOZ (Dokuz Eylül Üniversitesi)

LANGUAGES

- **Arabic** (Native Speaker)
- **English** (Highly proficient in speaking and writing)
- **Turkish** (Highly proficient in speaking and writing)

Journal papers

1. Abdulrahman, H.S., **Almusawi, A.A.** and Abubakar, M., (2017). Comparative Assessment of Macroscopic Traffic Flow Properties Estimation Methods: A Case for Moving Car Observer Method. *ESTIRJ*, 1(2), pp.11-15. **(International index)**
2. Hassan, N.A., **Almusawi, A.A.A.**, Zul, M., Mahmud, H., Abdullah, N.A.M., Shukry, N.A.M., Mashros, N., Jaya, R.P. and Yusoff, N.I.M., Engineering properties of crumb rubber modified dense-graded asphalt mixtures using dry process. (IOP Conference Series: Earth and Environmental Science) *E&ES*, 220(1), p.012009. **(Scopus)**
3. **Almusawi, A.**, Şengöz, B., Topal, A. and Öner, J. (2019). "Comparison Between Zero Shear Viscosity and Steady Shear Flow Methods to Determine Mixing and Compaction Temperatures of PMB". *Eurasian Journal of Civil Engineering and Architecture*, 3(2), pp.1-8 **(index by Ulakbim)**
4. **Almusawi, A.**, Abdulrahman, H.S., Shakhan, M.R. and Doğaroğlu, B., Effects of Crumb Rubber Size and Concentration on Marshall Parameters of Rubberized Asphalt Mixture. *Pamukkale University Journal of Engineering Sciences*, 1000(1000), pp.0-0. doi: 10.5505/pajes.2020.50318**(index by Ulakbim)**
5. **Almusawi, A.**, Şengöz, B., Topal, A. (2019). "Investigation of Mixing and Compaction Temperatures of Modified Hot Asphalt and Warm Mix Asphalt". *Periodica Polytechnica Civil Engineering*. <https://doi.org/10.3311/PPci.15118> **(SCI-Exp.)**.
6. **Almusawi, A.**, Şengöz, B., Topal, A. (2020). "Evaluation of Mechanical Properties of Different Asphalt Concrete Types in Relation with Mixing and Compaction Temperatures". *Construction and Building Materials*. <https://doi.org/10.1016/j.conbuildmat.2020.121140> **(SCI-Exp.)**.
7. **Almusawi, A.**, Şengöz, B., Özdemir, D.K. and Topal, A. (2020). "Predicting mixing and compaction temperatures of Polymer modified bitumen". *Celal Bayar University Journal of Science* DOI: 10.18466/cbayarfbe.706537 **(index by Ulakbim)**
8. Durmaz, C., Şengöz, B., Özdemir, D.K., Topal, A., and **Almusawi, A.**,(2020).Bitümlü Sıcak Karışımların Laboratuvar Ortamında Yaşlandırma Yöntemlerinin Karşılaştırılması (Fırat Üniversitesi Mühendislik Bilimleri Dergisi) <https://doi.org/10.35234/fumbd.731778> **(index by Ulakbim)**

Conference papers

1. Almusawi, A., Şengöz, B., Özdemir, D.K. and Topal, A., (2019). Determination of Mixing and Compaction Temperatures of Polymer Modified Bitumen through High Shear Rate Method. Paper presented at the *3rd International Students Science Congress*. 3-4 May 2019, İzmir - Turkey
2. Raziq, MS., Almusawi, A., Şengöz, B., and Topal, A., (2019). Review of the Relationship between Resilient Modulus and Dynamic Modulus (3rd International Students Science Congress). Paper presented at the *3rd International Students Science Congress*. 3-4 May 2019, İzmir - Turkey
3. Raziq, MS., Topal, A., Şengöz, B., and Almusawi, A., (2019). Review of the Implementation of the Mechanistic-Empirical Pavement Design Guide. Paper presented at the *3rd International Students Science Congress*. 3-4 May 2019, İzmir - Turkey.
4. Özdemir, D.K., Topal, A., Almusawi, A., and Şengöz, B., (2019). Comparative Study of Marshall and Superpave Asphalt Pavement Design Methods (3rd International Students Science Congress)
5. Almusawi, A., Şengöz, B., Topal, A. and Öner, J., (2019). Comparison between Zero Shear Viscosity and Steady Shear Flow Methods to Determine Mixing and Compaction Temperatures of PMB. Paper presented at the 4th Eurasian

Conference on Civil and Environmental Engineering. 17 - 18 June 2019, Istanbul Turkey.

6. Raziq, MS., Topal, A., Almusawi, A., and Şengöz, B., (2019). Developing a comprehensive methodology for local calibration of the MEPDG in Turkey. Paper presented at the 4th Eurasian Conference on Civil and Environmental Engineering. 17 - 18 June 2019, Istanbul Turkey.
7. H S Abdulrahman Almusawi, A., Raziq, MS., Estimation of Motorcycle Equivalency Unit (Mceu) in a Heterogeneous Traffic Mix in Minna, Nigeria. Paper presented at the 5th International Student Symposium. - 8 December 2019, Istanbul.
8. Raziq, MS., H S Abdulrahman, Almusawi, A., (2019). Impact of Irregularity of Infill walls on the Seismic Performance of Reinforced Concrete Frame Structures. Paper presented at the 5th International Student Symposium. - 8 December 2019, Istanbul.
9. An Alternative Approach to Produce Warm Mix Asphalt at Lower Temperatures. Paper presented at the 4th International Students Science Congress. 18-19 September 2020, İzmir - Turkey

Projects

1. "Asfaltın Karıştırma ve Sıkıştırma Sıcaklıklarının Farklı Viskozite Modelleri İle İncelenmesi" "Investigation of Mixing And Compaction Temperatures of Asphalt Through Different Viscosity Models" Dokuz Eylül University department of scientific research projects (PROJECT NO: 2019.KB.FEN.021)

REFERENCES

PROF. DR. BURAK SENGOZ (Dokuz Eylül Üniversitesi)/ TURKEY

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PROF. DR. ALİ TOPAL (Dokuz Eylül Üniversitesi)/ TURKEY

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ASSOC. PROF. DR. JÜLİDE ÖNER (Uşak Üniversitesi)/ TURKEY

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Phone: 0 276 221 27 50

DR. NORHIDAYAH ABDUL HASSAN (Universiti Teknologi Malaysia (UTM))/ MALAYSIA

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Engr. HASSAN SHUAIBU ABDULRAHMAN (Federal University of Technology Minna)/ NIGERIA

Email: abdul.hassan@futminna.edu.ng

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Engr. BORA DOĞAROĞLU (İzmir Yüksek Teknoloji Enstitüsü)/ TURKEY

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**COURSES THAT
CAN BE TAUGHT**

Graduate Level: Highway Materials, Pavement Design and Construction, Mix Design Methods, Pavement Management System, Traffic Engineering.

Undergraduate Level: Transportation Engineering, Surveying, Highway Engineering, Highway Project.