

CURRICULUM VITAE

1. Family name

GUNDUZ

2. First name

MURAT

3. Date of birth

20/08/1974

4. Nationality

Turkish

5. Civil Status

Married with 2 children

6. Education

Institution [Date from - Date to]	Degree(s) or Diploma(s) obtained:
1998-2002	PhD., University of Wisconsin, Madison, USA
1997-1998	MS, Georgia Institute of Technology, USA
1992-1996	BS, Middle East Technical University, Turkey

7. Professional experience record

Date from - Date to	Location	Company	Position	Description
2014-present	Qatar	Qatar University	Professor	Academician, Researcher
2012-2014	UAE	American University of Sharjah	Visiting Professor	Academician, Researcher
2012-2014	Ankara	Middle East Technical University	Professor	Academician, Researcher
2006-2012	Ankara	Middle East Technical University	Associate Professor	Academician, Researcher
2002-2006	Ankara	Middle East Technical University	Assistant Professor	Academician, Researcher
1998-2002	Madison, WI	University of Wisconsin, Madison	PHD	Researcher
1997-1998	Atlanta, GA	Georgia Institute of Technology	MS	Researcher
1996-1997	Ankara	Middle East Technical University	MS	Assistant

8. Present Position:

Professor of Civil Engineering
Construction Engineering and Management Program
Qatar University
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Doha, QATAR

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Professor Gunduz is an Associate Editor for ASCE's Journal of Management in Engineering.

He was the long term construction health and safety expert for the ISGIP Project.
Please check www.isgip.org .

10. Key qualifications:

Construction engineering and management, project performance and critical success factors, data collection and analysis, statistical quality control and management, occupational health and safety, OHS Management and risk assessment

11. Membership of professional bodies:

American Society of Civil Engineers

American Society of Engineering Education

Public Economic Institution

The Union of Chambers and Commodity Exchanges of Turkey

12. Specific experience of partner countries

Country	Period	Type of experience
TURKEY	1997-present	Research, academics, training
USA	1997-present	Research, academics
EUROPE	2008-present	Research, academics
MIDDLE EAST	2012- present	Research, academics
AUSTRALIA	2014-present	Research, academics

13. Language skills

Mother Tongue: Turkish

Language	Reading	Speaking	Writing
English	5	5	5
Turkish	Mother tongue	Mother tongue	Mother tongue

(from 1 basic to 5 fluent)

Research Interest

Dr. Gunduz works on various aspects of construction engineering and management including project performance and critical success factors, data collection and analysis, statistical quality control and management, occupational health and safety, OHS Management and risk assessment in construction industry.

Dr. Gunduz works on construction engineering and management and particularly do research on determining where the construction industry is moving in performance measurement & health and safety issues.

Dr. Gunduz currently works on various project success factors related to construction management performance measurement with many masters and PhD students.

He gives trainings to construction safety professionals.

He is the author of book 'Sustainable Construction Safety: A Strategic Framework through Balanced Score Card and Quality Function Deployment' by VDM Verlag.

PUBLICATIONS

REFEREED PAPERS

A64. Gunduz, M., Abumoza, A.M., Aly, A. Aly "A Structural Equation Model to Assess the Effects of Strategic and Project Related Potential Risks on Project Delivery in Qatar", accepted to ECAM, June 2022

.A63 Gunduz, M., Al-Ajji, I.S. "Employment Of CHAID And CRT Decision Tree Algorithms To Develop Bid/No Bid Decision Making Models for Contractors", accepted to ECAM, July 2021

.A62 Sirin, O., Gunduz, M., Shamiyeh, M.E. "Assessment of Pavement Performance Management Indicators through Analytic Network Process (ANP) ", accepted to IEEE Transactions on Engineering Management, November 2019

A61. Naji, K., Gunduz, M., Hamaidi, M.F. "Major Factors Affecting Construction Waste Management in Infrastructure Projects Using Structural Equation Model", ASCE-JCEM, 148 (10), October 2022

A60 Naji, K., Gunduz, M., Naser, A.F. "Construction Change Order Management Project Support System Utilizing Delphi Method", Journal of Civil Engineering and Management, 28(7), 564-589, September 2022

A59. Naji, K., Gunduz, M., Naser, A.F. "The Effect of Change Order Management Factors on Construction Project Success: A Structural Equation Modeling Approach", ASCE-JCEM, 148 (9), September 2022

A58 Naji, K., Gunduz, M., Falamarzi, M.H. "Assessment of Construction Project Contractor Selection Factors Considering Their Interconnections", KSCE, 26 (9), September 2022, pp. 3677-3690

.A57 Gunduz, M., Al-Naimi, N. "Construction Projects Delay Mitigation Using Integrated Balanced Scorecard And Quality Function Deployment", Engineering, Construction and Architectural Management, 29 (5), June 2022, pp. 2073-2105

(.)A56 Gunduz, M., Aly, A. Aly, El Mekawy, T. "Value Engineering Factors with an Impact on Design Management Performance of Construction Projects", ASCE-JME, Volume 38, Issue 3, May 2022

(.)A55 Soliman, K., Naji, K., Gunduz, M., Tokdemir, O. B., Faisal, F., Zayed, T. "BIM-based Facility Management Models for Existing Buildings ", Journal of Engineering Research, Volume 10, Issue 1A, pages 21-37, March 2022

(.)A54. Naji, K., Gunduz, M., Naser, A.F. "An Adaptive Neuro-Fuzzy Inference System For The Assessment Of Change Order Management Performance In Construction", ASCE-JME, Volume 38, Issue 2, March 2022

(.)A53. Maki, O, Alshaikhli, M , Gunduz, M., Naji, K., Abdulwahed, M. "Development of Digitalization Roadmap for Healthcare Facility Information Management", IEEE-Access, volume 10, pp. 14450-14462, January 2022

.A52 Sirin, O., Gunduz, M., Shamiyeh, M.E. "Application of Analytic Hierarchy Process (AHP) for Sustainable Pavement Performance Management in Qatar", Engineering, Construction and Architectural Management, 28 (10), November 2021, pp. 3106-3122

.A51 Naji, K., Gunduz, M., Salat, F. "Assessment of Pre-Construction Factors in Sustainable Project Management Performance ", Engineering, Construction and Architectural Management, 28 (10), November 2021, pp. 3060-3077

.A50 Gunduz, M., Elsherbeny, H.A. "Critical Assessment of Contract Administration Using Multidimensional Fuzzy Logic Approach", ASCE-JCEM, Journal of Construction Engineering and Management, Volume 147, Issue 2, art. 04020162, February 2021

.A49 Gunduz, M., Lutfi, H.M.A. "GO/NO-GO Decision Model For Owners Using Exhaustive CHAID And QUEST Decision Tree Algorithms", Sustainability, January 2021, 13(2), 815

A48 Al-Salahi, K., Naji, K., Gunduz, M., "Evaluation of the Critical Success Factors (CSFs) in Selecting Building Contractors Using Pareto Analysis and the Analytical Hierarchy Process", Journal of Engineering Research, 8(4), pages 1-15, December 2020

.A47 Gunduz, M., Tehemar, S.R. "Assessment of Delay Factors in Construction of Sport Facilities Through Multi Criteria Decision Making", Production Planning & Control, Volume 31, Issue 15, pp. Pages 1291-1302, November-December 2020

.A46 Gunduz, M., Abu-Hijleh, A. "Assessment of Human Productivity Drivers for Construction Labor through Importance Rating and Risk Mapping. Sustainability, October 2020, 12(20), 8614.

.A45 Gunduz, M., Abdi, E.A. "Motivational Factors and Challenges of Cooperative Partnerships between Contractors in the Construction Industry", ASCE-JME, Volume 36, Issue 4, July 2020, art. 04020018

.A44 Gunduz, M., Elsherbeny, H.A. "Critical Assessment of Construction Contract Administration Using Fuzzy Structural Equation Modeling", Engineering, Construction and Architectural Management, 27 (6), June 2020, pp. 1233-1255

A43 Gunduz M., and Al-Ruwaili, A, "Tendering Process Improvement with Prototype Designs Implementation", Advances In Natural And Applied Sciences, 14(2), May-August 2020, pp. 33-38

.A42 Gunduz, M., Sirin, O., Moussa, A. "Application of Tools of Quality Function Deployment and Modified Balanced Score Card for Optimal Allocation of Pavement Management Resources ", IEEE Access, 8, art. no. 9072370, pp. 76399-76410, April 2020

.A41 K. K. Naji, M. M. Mansour and M. Gunduz, "Methods for Modeling and Evaluating Construction Disputes: A Critical Review", IEEE Access, volume 8, issue 1, pp. 45641-45652, March 2020

.A40 Gunduz, M., Almuajebh, M.S. "Critical Success Factors for Sustainable Construction Project Management", Sustainability, March 2020, 12(5), 1990

.A39 Gunduz, M., Elsherbeny, H.A. "Operational Framework for Managing Construction Contract Administration- Practitioners' Perspective through Modified Delphi Method", ASCE Journal of Construction Engineering and Management, Volume 146, Issue 3, March 2020, art. 04019110

.A38 Gunduz, M., Khader B.K., "Construction Project Safety Performance Management Using Analytical Network Process (ANP) As A Multi Criteria Decision Making (MCDM) Tool", Computational Intelligence and Neuroscience, February 2020, art. 2610306

.A37 Gunduz, M., Mohammad, K.O. "Assessment of Change Order Impact Factors on Construction Project Performance Using Analytic Hierarchy Process (AHP)", Technological and Economic Development of Economy, Volume 26, Issue 1, January 2020, pages 71-85

.A36 Gunduz, M., Elsherbeny, H.A. "Construction Contract Administration Performance Assessment Tool by Using a Fuzzy Structural Equation Model ", Sustainability, January 2020, 12(2), 523

.A35 Gunduz, M., Alfar, M., "Integration of Innovation through Analytical Hierarchy Process (AHP) in Project Management and Planning" ,Technological and Economic Development of Economy, Volume 25, Issue 2, February 2019, pages 258-276

A34 Gunduz, M., Khan O., "Effective Framework for Change Order Management Using Analytical Hierarchy Process (AHP)", Gazi University Journal of Science, Volume 31, Issue 4, December 2018, pages 1079-1091

.A33 Gunduz, M., Maki, O.L., "Assessing the Risk Perception of Cost Overrun Through Importance Rating in Construction Industry", Technological and Economic Development of Economy, Volume 24, Issue 5, September 2018, pages 1829-1844

..A32. Gunduz M., and Yetisir, T., "A Design Reuse Technology to Increase Productivity Through Automated Corporate Memory System ", Neural Computing and Applications, Volume 29, Issue 9, May 2018, pages 609-617

.A31 Gunduz, M. and Ahsan, B., "Construction Safety Factors Assessment through Frequency Adjusted Importance Index", International Journal of Industrial Ergonomics, Volume 64, March 2018, pages 155-162

A30 Gunduz, M. and Laitinen, H. "Observation based safety performance indexing method for construction industry – Validation with Turkish SMEs", KSCE, Volume 22, Issue 2, February 2018, pages 440-446

.A29 Gunduz, M., and Laitinen H., "Construction Safety Risk Assessment with Introduced Control Levels" Journal of Civil Engineering and Management, Volume 24, Issue 1, January 2018, pages 11-18

..A28. Gündüz M., and Yahya A., "Analysis of Project Success Factors in Construction Industry" Technological and Economic Development of Economy, Volume 24, Issue 1, January 2018, pages 67-80.

.A27 Gunduz, M., Birgonul T. and Ozdemir, M., "Development of a Safety Performance Index Assessment Tool by Using a Fuzzy Structural Equation Model for Construction Sites", Automation in Construction, Volume 85, January 2018, pages 124-134

.A26 Gunduz, M., Naser A.F., "Cost Based Value Stream Mapping as A Sustainable Construction Tool for Underground Pipeline Construction Projects", Sustainability, Volume 9, Issue 12, December 2017

A25 Senouci A., Alsarraj A., Gunduz, M., Eldin N., "Analysis of Change Orders in Qatari Construction Projects", International Journal of Construction Management, Volume 17, Issue 4, November 2017, pages 280-292

..A24. Gündüz M., and Karacan V., "Assessment of Abnormally Low Tenders: A Multinomial Logistic Regression Approach", Technological and Economic Development of Economy, Volume 23, Issue 6, November 2017, pages 848-859

A23 Gunduz, M., AbuHassan H.A., "Mapping the industrial perception of delay data through importance rating", Arabian Journal for Science and Engineering, September 2017, 42(9), 3799-3808

A22. Gunduz M. and Laitinen, H., "A 10-step Safety Management Framework for Construction SMEs" International Journal of Occupational Safety and Ergonomics (JOSE), Volume 3, Issue 3, July-September 2017, pages 353-359

.A21. Gunduz, M., Birgonul T. and Ozdemir, M., "Fuzzy Structural Equation Model to Assess Construction Site Safety Performance", ASCE Journal of Construction Engineering and Management, Volume 143, Issue 4, April 2017.

A20 Gunduz M. and AbuHassan, M.H.A., "Causes of Construction Delays in Qatar Construction Projects" International Journal of Civil and Environmental Engineering, Volume 10, Issue 4, pages 531-536, May 2016.

A19Gündüz M., Birgonul T. and Ozdemir, M., "A Fuzzy Structural Equation Model for Development of a Safety Performance Index", International Journal of Advances in Mechanical and Civil Engineering, Volume 2, Issue 6, December 2015.

A18 Gündüz M., Nielsen, Y. and Ozdemir, M., " Fuzzy Assessment Model to Estimate the Probability of Delay in Construction Projects ", ASCE Journal of Management in Engineering, Volume 31, Issue 4, July 2015.

.A17 Gündüz M. and Sahin, H.B., "An Early Cost Estimation Model For Hydroelectric Power Plant Projects Using Neural Networks And Multiple Regression Analysis ", Journal of Civil Engineering and Management, Volume 21, Issue 4, pages 470-477, July 2015

A16 Aminbakhsh S., Gündüz M. and Sonmez, R., "Safety Risk Assessment Using Analytic Hierarchy Process (AHP) During Planning and Budgeting of Construction Projects ", Journal of Safety Research, Volume 46, pages 99-105, September 2013.

A15 Gülcicek U., Ozkan, O., Gunduz M and Demir, I.H., "Cost Assessment Of Construction Projects Through Neural Networks ", Canadian Journal of Civil Engineering, Volume 40, Issue 6, pages 574-579, June 2013.

A14 Gündüz M., and Onder, O, "Corruption and Internal Fraud in the Turkish Construction Industry ", Science and Engineering Ethics, Volume 19, Issue 2, pages 505-528, June 2013.

A13 Gündüz M., Nielsen, Y. and Ozdemir, M., "Quantification of Delay Factors by Using Relative Importance Index (RII) Method for Construction Projects in Turkey ", ASCE Journal of Management in Engineering, Volume 29, Issue 2, pages 133-139, April 2013.

A12 Ozkan, F., Ozkan O. and Gunduz M. "Causal Relationship between Construction Investment Policy and Economic Growth in Turkey", *Technological Forecasting and Social Change*, Volume 79, Issue 2, pages 362-370, February 2012.

A11 Gündüz M., Ugur LO ve Ozturk, E., " Parametric Cost Estimation System for Light Rail Transit and Metro Trackworks", *Expert Systems with Applications*, Volume 38, Issue 3, pages 2873-2877, March 2011.

A10 Kanit, R., Özkan Ö, ve Gündüz M., " Effects of Project Size and Resource Constraints on Project Duration through Priority Rule-Base Heuristics", *Artificial Intelligence Review*, Volume 32, 1-4, pages 115-123 (2009).

A9 Gündüz M., ve Karacan V., "Damage to Treasury - Abnormally Low Tenders in Public Construction Works " *ASCE Journal of Legal Affairs and Dispute Resolution in Engineering and Construction*, Volume 1, Issue 3, Pages 130-136, August 2009

A8 Kanit, R., Gündüz M., ve Özkan Ö, "Investigating the Effectiveness of Certain Priority Rules on Resource Scheduling of Housing Estate Projects", *ASCE Journal of Construction Engineering and Management*, Volume 135, Issue 7, Pages 609-613, July 2009

A7 Gündüz M., ve Şimşek B., " A Strategic Safety Management Framework Through Balanced Scorecard and Quality Function Deployment", *Canadian Journal of Civil Engineering*, Volume 34, Issue 5, Pages 622-630, 2007.

A6 Hanna A.S., ve Gündüz, M. "Early Warning Signs for Distressed Projects", *Canadian Journal of Civil Engineering*, Volume 32, Issue 5, Pages 796-802, 2005.

A5 Kanit, R., Gündüz M., ve Özkan Ö, "Cost Effect of Earthquake Region and Soil Type for Office Buildings in Turkey", *Building and Environment Journal*, Volume 42, Issue 10, Pages 3616-3620, 2007

A4 Kanit, R., Özkan Ö, ve Gündüz M., "Cost Assessment of Concrete and Steel Types for Office Buildings: An Exploratory Study", *Building and Environment Journal*, Volume 42, Issue 9, Pages 3404-3409, 2007

A3 Gündüz, M. ve Hanna A.S., "Benchmarking Change Order Impacts on Productivity for Electrical and Mechanical Projects", *Building and Environment Journal*, Volume 40, Issue 8, Pages 1068-1075, 2005

A2 Gündüz, M., "A Quantitative Approach for Evaluation of Negative Impact of Overmanning on Electrical and Mechanical Projects", *Building and Environment Journal*, Volume 39, Issue 5, Pages 581-587, 2004

A1 Hanna, A. S. ve Gündüz M., "Impact of Change Orders on Small Labor-Intensive Projects", *ASCE Journal of Construction Engineering and Management*, Volume 130, Issue 5, Pages 726-733, 2004

INTERNATIONAL CONFERENCES

C22. Falamarzi, M.H., Gunduz, M., Naji, K. "A Framework for Selecting Contractors for Last-Minute Mega Events Projects Using Analytical Network Process (ANP) ", submitted to 12th Annual EDSI Conference, Dublin, Ireland, 29 May - 01 June 2022

C21. Abukeshek, A.K., Gunduz M., Abdalla, G., and Naji, K, "Analysis of Construction Critical Success Factors (CSF) for Public-Private Partnership (PPP) for Sports Infrastructure in Qatar Using Relative Importance Index", Proceedings of the First Central American and Caribbean International Conference on Industrial Engineering and Operations Management, Port-au-Prince, Haiti, June 15-16, 2021.

C20. Gunduz M., and Elsherbeny, H.A., "Contribution of Construction Contract Administration Process Groups to Overall Contract Administration Performance", 2ND International Conference on Engineering And Technology Research 2020 (ICETR 2020), June 26-28, 2020, Kuala Lumpur, Malaysia.

C19. Gunduz M., and Elsherbeny, H.A., "Practical Implementation of Contract Administration Performance Model in Qatar Construction Projects", CIC2020: International Conference on Civil Infrastructure And Construction, February 2-5, 2020, Doha, Qatar.

C18. Gunduz M., and Al-Ruwaili, A, "Tendering Process Improvement with Prototype Designs Implementation", ICCSE 2019: Fourth International Conference On Civil And Structural Engineering, June 14-16, 2019, Phuket, Thailand.

C17. Gündüz M., and Naser, A.F., "Value Stream Mapping as a Lean Tool for Construction Projects", ICCEMS 2018: Third International Conference on Civil Engineering and Materials Science, April 13-15, 2018, Chengdu, China.

C16. Gündüz M., and Maki, O.L., "Causes of Cost Overrun in Construction Industry", ICCEMS 2017: Second International Conference on Civil Engineering and Materials Science, May 26-28, 2017, Seoul, South Korea.

C15. Gündüz M., and AbuHassan, M.H.A., "Causes of Construction Delays in Qatar Construction Projects", ICCEAE 2016: 18th International Conference on Civil, Environmental and Architectural Engineering, April 25-26, 2016 Boston, USA.

C14. Gündüz M., Birgonul T. and Ozdemir, M., "A Fuzzy Structural Equation Model for Development of a Safety Performance Index", IIER 19th International Conference on Recent Innovations in Engineering and Technology, October 23, 2015 New York, USA., pp. 26-30

C13. Gündüz M. ve Onder, O. "Fraud and Corruption Risk Assessment in Construction Industry", 2012 RICS COBRA International Research Conference, September 11-13, 2012, Las Vegas, Nevada

C12. Gündüz M. ve Sahin, H.B. "Economical Analysis of Privatized Hydroelectric Power Plant Projects in Turkey ", 2011 USSD Annual Meeting and Conference, April 11-15, 2011, San Diego, California

C11. Gündüz M. ve Sahin, H.B. "A Conceptual Cost Estimation Model for Hydroelectric Power Plant Projects", 30th USSD Annual Meeting and Conference, April 12-16, 2010, Sacramento, California

C10. Gündüz M. ve Öztürk, E. "Cost Estimation of Trackworks of Lightrail and Metro Projects", Fifth International Conference on Construction in the 21st Century (CITC-V), "Collaboration and Integration in Engineering, Management and Technology", May 20-22, 2009, Istanbul, Turkey

C9. Gündüz M. ve Karacan, V. "A MULTINOMIAL LOGISTIC REGRESSION MODEL ON ABNORMALLY LOW TENDERS", CIB TG61 / W117 Performance Measurement in Construction 4th Annual Meeting, Tempe, Arizona, USA, February 9, 2009.

C8. Gündüz M. ve Karacan, V. "Abnormally Low Tender Problem In Public Works", 2008 International Conference on Management Science and Engineering, Long Beach, California, USA, September 10-12, 2008.

C7. Gündüz M. ve Karacan, V. "ABNORMALLY LOW TENDERS IN TURKISH CONSTRUCTION INDUSTRY", The 5th International Conference on Innovation in Architecture, Engineering and Construction, AEC2008, Antalya, Turkey, June 23-25, 2008.

C6. Gündüz M., Arıkan, M. ve Şimşek, B. " Using the QFD Approach as a Safety Management Tool in Dam Engineering", USSD 27th Annual Meeting and Conference, Pages 671-678, Philadelphia, Pennsylvania, March 5-9, 2007.

C5. Gündüz M. ve Hanna A.S., "Evaluation of Productivity Losses due to Delays," 4th International Engineering and Construction Conference, Pages 370-375, California State University, Los Angeles, CA, July 28, 2006.

C4. Şahmaran, M., Öztaş A. ve Gündüz M., "A Case Study: Assessment of a Construction Quality Management Program for a Multi-national Project in Turkey," 4th International Engineering and Construction Conference, Pages 376-385, California State University, Los Angeles, CA, July 28, 2006.

C3. Jung, S. Y., Gündüz M., "Impact of Overmanning on Construction Labor Productivity for Mechanical and Electrical Contractors", Proceedings of the 1st International Municipalities University and Industrial Sector Cooperation Symposium, Pages 514-520, Gazi University, Ankara, Türkiye, October 23-24, 2004.

C2. Gündüz M. ve Hanna, A. S., "Identification of Over-Budget Project Characteristics Using ANOVA," Proceedings of the 10th ISPE International Conference on Concurrent Engineering: Research and Applications, Pages 331-336, Portugal, July 26-30, 2003.

C1. Hanna, A. S., Peterson P., Dettwiler J., Russell J.S. ve Gündüz M., "Assessment of Global Impact of Change Orders on Electrical and Mechanical Construction – Δ Approach", Proceedings of the Construction Congress VI, Pages 1177-1188, Orlando, FL, February 20-22, 2000.

BOOKS

D1. Gündüz, M. and Şimşek, B. 2009. 'Sustainable Construction Safety: A Strategic Framework Through Balanced Score Card and Quality Function Deployment', VDM Verlag, ISBN: 978-3-639-16200-4

D2. Gündüz, M. and Öztürk, E. 2009. 'Predicting Light Rail and Metro Trackworks Costs: A Multivariable Regression and Neural Network Approach', VDM Verlag, ISBN: 978-3-639-16404-6

LOCAL CONFERENCES

E1. Gündüz M ve Korkut A.E., "Yapı İşlerinde Sağlık ve Güvenlik Yönetmeliğinin daha iyi anlaşılması için Avrupa Birliği uygulamalarının araştırılması", 2. Proje ve Yapım Yönetimi Kongresi, 13-16 Eylül 2012, İzmir, Türkiye

E2. Gündüz M ve Taşyürek Y.E., " Comparative Measures of Accident Rates", İş Sağlığı ve Güvenliği Sempozyumu, 13-14 November,2009, TMMOB İnşaat Mühendisleri Odası

E3. Gündüz M ve Taşyürek Y.E., " Construction Industry Safety Performance: Comparative Comparison with Incidence Rates", İş Sağlığı ve Güvenliği Sempozyumu, 13-14 November,2009, TMMOB İnşaat Mühendisleri Odası

E4. Gündüz M ve Taşyürek Y.E., " How Severe are Construction Accidents in Turkey?", İş Sağlığı ve Güvenliği Sempozyumu, 13-14 November,2009, TMMOB İnşaat Mühendisleri Odası

E5. Gündüz M ve Taşyürek Y.E., " Distribution of Occupational Accidents in the Construction Industry According to Various Variables", İş Sağlığı ve Güvenliği Sempozyumu, 13-14 November,2009, TMMOB İnşaat Mühendisleri Odası

E6. Gündüz M ve Taşyürek Y.E., " Frequency Severity Indicators of Turkish Provinces According to Construction Safety Performances", İş Sağlığı ve Güvenliği Sempozyumu, 13-14 November,2009, TMMOB İnşaat Mühendisleri Odası

E7. Manisalı, E., Kanıt, R., Gündüz, M., Taşyürek, E., Tarhan, Ü., " İnşaat Sektöründe İş Sağlığı ve Güvenliği Durumunun Değerlendirilmesi ", İş Sağlığı ve Güvenliği Sempozyumu, Sayfa 183-192, TMMOB İnşaat Mühendisleri Odası, Ankara, 5-6 Ekim 2007.

E8. Gündüz, M. ve Çubukçu S., "Deprem Sonrası Zarar Görmüş Binaların Güçlendirme Tekniklerinin Ekonomik Açıdan Karşılaştırılması", Yapı ve Kentte Bilişim IV. Kongresi, Ankara HiltonSA, Sayfa 125-128, Haziran 8-9, 2006.

F1. Vahapassi A., Laitinen T., Gündüz M., ve Yıldırım, T., "Improvement of Occupational Health and Safety Conditions at Construction Workplaces in Turkey", The XIX World Congress on Safety and Health at Work, Davetli Konuşmacı,(Özet), Haliç Kongre Merkezi, İstanbul, 11-15 Eylül, 2011.

F2. Gündüz M., ve Şimşek, B., " Büyük Mühendislik Yapıları Yönünden Kalite Fonksiyon Açılımı Yaklaşımının İş Sağlığı ve Güvenliği Konusunda Uygulanması", Baraj ve Deprem Semineri, Davetli Konuşmacı, Sayfa 12(Özet), Osmangazi Üniversitesi, Eskişehir, 11-12 Mayıs, 2006.

Professional Awards and Achievements

- ASCE Journal of Management in Engineering Associate Editor, 2016-present
- ASCE- Journal of Management in Engineering, Chair of Best Paper Selection Committee, 2019
- ASCE Journal of Management in Engineering Editorial Board Member, 2010-present
- ASCE Journal of Management in Engineering Outstanding Reviewer, 2012
- ASCE Journal of Construction Engineering and Management, Outstanding Reviewer, 2010
- Ranked number one student in graduate school entrance examination in Middle East Technical University, 1996, Ankara, Turkey

- Stood in the top one percent in the university entrance exam, Turkey (Rank: 512/ 2,000,000)
- Earned National Scholarship from Turkish High Education Ministry
- Received a silver medal from the Milliyet Newspaper for outstanding technical knowledge
- Who's Who in Science and Engineering 2006-2007
- Who's Who in Science and Engineering, 10th Anniversary Edition
- Who's Who in the World, 25th Silver Anniversary Edition
- AcademicKeys Who's Who in Engineering Higher Education (WWEHE),2013

Teaching and Training Effectiveness

- Average teaching evaluation for Middle East Technical University and the American University of Sharjah is 4.7/5.0 (based on official student evaluation forms).

Undergraduate-level Courses

- Introduction to Civil Engineering
- Construction Engineering and Management
- Statistical Methods for Engineers
- Project Estimating, Planning and Control
- Construction Management
- Civil Engineering Cost Analysis
- Contracts, Specifications, and Local Regulations
- Risk and Safety Management

Graduate-level Courses

- Construction Productivity Measurement and Improvement
- Data Collection, Analysis and Modeling in Construction Industry
- Construction Safety Management
- Construction Engineering Management
- Construction Contracts and Legal Concepts in Construction
- Estimating and Financial Analysis for Construction

Dr. Gündüz has taken related courses about Project Management and Project Life Cycle Management through EPD (Engineering Professional Development) Programme at University of Wisconsin, Madison, USA

Thesis Supervised

1. Şimşek, Burak, "Using the Balanced Scorecard as a Safety Management Tool in Construction Companies: A QFD Approach", Middle East Technical University, Ankara, Türkiye, 2006
2. Taşyürek, Yunus Emre "Occupational Accidents and Diseases in Turkish Construction Industry", Middle East Technical University, Ankara, Türkiye, 2007
3. Karacan, Hulusi Volkan, "Abnormally Lowest Bids in Public Construction Works, Middle East Technical University, Ankara, Türkiye 2008

4. Öztürk Erhan, "Cost Estimation of Trackworks of Light Rail and Metro Projects", Middle East Technical University, Ankara, Türkiye 2009
5. Şahin, H. Bayram, "Analyzing Design Parameters of Hydroelectric Power Plant Projects to Develop Cost Estimation Models by using Regression and Neural Network Tools", Middle East Technical University, Ankara, Türkiye 2009
6. Özdemir, Mustafa, "A Probabilistic Schedule Delay Analysis In Construction Projects by Using Fuzzy Logic Incorporated with Relative Importance Index (RII) Method", Middle East Technical University, Ankara, Türkiye 2010
7. Onder, Oytun, "Corruption and Internal Fraud in Turkish Construction Industry", Middle East Technical University, Ankara, Türkiye 2011
8. Al Janabi, Ahmad M, "Analysis of Project Success Factors in UAE Construction Industry", American University of Sharjah, February 2014
9. Al Sarraj, Ahmad, "Analysis of Change orders in Qatari Construction Industry", Qatar University, February 2015
10. Ozdemir, Mustafa, "A Fuzzy Structural Equation Model to Analyze Relationships Between Determinants of Safety Performance In Construction Sites: Development Of A Safety Performance Index Assessment Tool", Middle East Technical University, with Prof. Talat Birgonul, May 2015
11. Ahsan, Bappy, "Analysis of Safety Attributes & Factors Affecting Safety in Qatari Construction Industry", Qatar University, June 2015
12. AbuHassan, Mohanad, "Causes of Delay in Construction Projects", Qatar University, January 2016
13. Al-Azzawi, Omar, "Causes of Cost-Overrun in Construction Projects" Qatar University, April 2016.
14. Khan, Omar, "Effective Framework for Change Order Management in Construction Industry", Qatar University, May 2016
15. Alfar, Mohammad, "Integration of Innovation in Construction Management", Qatar University, May 2016
16. Khader, Basil K., "Construction Safety Performance Analysis Using Analytical Network Process (ANP)", Qatar University, May 2017
17. Moussa, Abdallah, "Application of Pavement Management with tools of Quality Function Deployment and Balance Score Card", Qatar University, May 2017
18. Abu-Hijleh, Abdulrahman, "Factors Influencing Labor Productivity in Construction Projects", June 2017
19. Muajebh, Mohammed, "Critical Success Factors in Construction Projects in Qatar", June 2017
20. Naser, Ayman Fahmi, "Cost Based Value Stream Mapping as A Lean Construction Tool for Underground Pipeline Construction Projects" December, 2017
21. Tehemar, Saleh Reyad, "Evaluation of Delay's Causes and Effects on Sport Facilities" December, 2017
22. Mohammad, Khaled Omar, "Impacts of Change Orders on Construction Projects" December, 2017
23. Abdi, Ebrahim, "Cooperative Partnership between General Contractors " November, 2018
24. AlRuwaiti, Anoar, "Tendering Process Improvement with Prototype Designs Implementation" November, 2018
25. Shamyah, Mohammed I., "Application of Multi-Criteria Decision Making Methods on Pavement Performance" November, 2018
26. Al Agi, Ebrahim, "Using CHAID and CRT Decision Tree Algorithms to Develop Bid/No Bid Decision Model For Contractors" November, 2018
27. Hadid, Majed Khalid Hadid, "The Influence of Key Supply Chain Partners' Relationships On The Quality Of Pavement Construction Projects: Social Network Analysis" November, 2018

28. Soliman, Karim, "Digital Facilities: A BIM Capturing Reality Framework And Integration With Building Management System" April, 2019
29. Elasawy, Hesham, "Critical Assessment of Post-Award Contract Administration Performance in Construction Projects", November, 2019
30. Salat, Fatema, "Assessment of Pre-Project Factors on Project Performance", November, 2019
31. Lutfi, Hamza Amin, "Applying Decision Tree Algorithms to Develop Go/No Go Decision Model for Owners", April, 2020
32. Al-Naimi, Nasser, "Construction Projects Delay Mitigation Framework Using Balanced Scorecard and Quality Function Deployment", April 2020
33. Falamarzi, Mohammed, " Application of Multi Criteria Decision Making In Tender Evaluation: A Study Using ANP Model", August 2020
34. Abumoza, Abdulla, " Unforeseen Conditions Modelling on Project Delivery In Qatar", November 2020
35. Ali, A. Aly Mohamed Saleh, " Assessment of Implementation of Value Engineering Factors on Design Management Performance of Construction Projects", November, 2020
36. Abukeshek, Albara Khaleel Suleiman, "Framework for Sports Infrastructure Assets Management And Transformation Post-2022 World Cup Adapting PPP Module -Critical Success", April 2021
37. Hamaidi, Munther Farouq, " Construction Waste Management Performance Measurement In Infrastructure Projects By Structural Equation Modelling Sem", April 2021
38. Al-Mulla, Fahad " Mapping AI Tools in the Construction Industry throughout the Construction Project Life Cycle", April 2022
39. Gharbia, Khaled, " Assessment of Project Management Factors Impacting Design Build Projects Performance", April 2022

Projects:

Construction Safety Assessment with Balanced Score Card, BAP-1, **Lead PI**, 2004-2005

EuropeAid/127926/D/SER/TR, ' Improvement of Occupational Health and Safety Conditions at Workplaces in Turkey', **Construction Expert**, 2010-2012

Gunduz, M. (Principal Investigator), "Transforming Locally Available Industry by-products to Innovation in Road Construction Materials," Qatar University, 730,000.00QR. (April 2019 - April 2021).

Gunduz, M. (Co-Lead Principal Investigator), "CWSP17-C-0906-19015, Murat Gunduz (Secondary applicant), International Conference on Civil Infrastructure and Construction, \$27,000.00," Local(Excluding Qatar University), 27,000.00US. (December 4, 2019 - February 5, 2020).

Qatar University, Start-up Unternal Grant, 30000 QR, Fall 2014.

REVIEWER

1. ASCE Journal of Management in Engineering
2. ASCE Journal of Construction Engineering and Management
3. ASCE Journal of Professional Issues in Engineering Education and Practice
4. ASCE Journal of Legal Affairs and Dispute Resolution in Engineering and Construction

5. ASCE Journal of Transportation Engineering
6. IEEE Journals
7. Automation in Construction
8. Engineering, Construction and Architectural Management
9. Construction Management and Economics
10. International Journal of Construction Management
11. KSCE Journal of Civil Engineering
12. Ergonomics

International Activities and Recognition

- Researcher in graduate study level in Georgia Institute of Technology and University of Wisconsin, Madison on various topics including construction management systems.
- Researcher invited to the San Francisco State University and Stanford University to participate in ongoing research projects, Summer 2006. Research topics include:
 - Estimation of economic consequences of earthquakes. This primarily involves a probabilistic estimation of economic losses and estimating downtime (the time in which the facility would be out of operation during repairs). This research is part of a multidisciplinary team, which includes structural engineers, architects, economists and social scientists from several universities on the US west coast.