

Prof. ARZUHAN BURCU GÜLTEKİN

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International Researcher IDs

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Publons / Web Of Science ResearcherID: ABI-3937-2020

ScopusID: 42461466200

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Biography

Arzuhan Burcu GÜLTEKİN was graduated from İstanbul Technical University, Faculty of Architecture, Department of Architecture in 1997. She received her M.S. degree from İstanbul Technical University, Graduate School of Science, Engineering and Technology, Construction Sciences Graduate Program in 2001. Thereafter, she received her Ph.D. degree from Gazi University, Institute of Natural and Applied Sciences, Architecture Program in 2006. She worked as a research assistant in Gebze High Technology Institute, Faculty of Architecture, Department of Architecture between 1998 and 2001, and in Gazi University, Technical Education Faculty, Construction Education Department between 2001 and 2007. She worked as an assistant professor in the same department between 2007 and 2015, and as an associate professor in Ankara University, Faculty of Applied Sciences, Department of Real Estate Development and Management between 2015-2019. She carries out her duty in Gazi University, Faculty of Technology, Department of Civil engineering as an associate professor.

Her professional fields are sustainable buildings, smart buildings, sustainable building materials, energy/water/material conservation in buildings, green building certification systems, building performance simulations, and life cycle assessment of buildings.

She has 23 international scientific papers, 80 international congress papers, 27 national scientific papers, 20 international book chapters, 2 books, chairmanship in 14 international and national events (workshops, seminars, conferences, symposia), 6 national and international research projects, numerous expert positions, scientific journal refereeing, master/doctorate/seminar jury memberships and editorial duties.

Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Mimarlık (Dr), Turkey 2000 - 2007

Postgraduate, İstanbul Technical University, Fen Bilimleri Enstitüsü, Yapı Bilgisi (YI) (Tezli), Turkey 1998 - 2000

Undergraduate, İstanbul Technical University, Mimarlık Fakültesi, Mimarlık Bölümü, Turkey 1993 - 1997

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Yaşam döngüsü değerlendirme yöntemi kapsamında yapı ürünlerinin çevresel etkilerinin değerlendirilmesine yönelik bir model önerisi, Gazi University, Fen Bilimleri Enstitüsü, Mimarlık (Dr), 2006
Postgraduate, İç mekanda kullanılabilir duvar kaplama malzemelerinin akılcı seçim açısından değerlendirilmesi, Istanbul Technical University, Fen Bilimleri Enstitüsü, Yapı Bilgisi (YI) (Tezli), 2000

Research Areas

Climate, Energy, Materials in Civil Engineering, Building Components and Materials, Architecture, Engineering and Technology

Academic Titles / Tasks

Professor, Gazi University, Mimarlık Fakültesi, Mimarlık, 2023 - Continues
Associate Professor, Gazi University, Teknoloji Fakültesi, İnşaat Mühendisliği, 2020 - Continues
Associate Professor, Ankara University, Faculty Of Applied Sciences, Department Of Real Estate Development And Management, 2015 - 2020
Assistant Professor, Gazi University, Teknik Eğitim Fakültesi, Yapı Eğitimi, 2007 - 2015
Research Assistant, Gazi University, Teknik Eğitim Fakültesi, Yapı Eğitimi, 2001 - 2007
Research Assistant, Gebze Yüksek Teknoloji Enstitüsü, Mimarlık Fakültesi, Mimarlık Bölümü, 1998 - 2001

Academic and Administrative Experience

Deputy Head of Department, Gazi University, Teknoloji Fakültesi, İnşaat Mühendisliği, 2020 - 2023
Head of Department, Ankara University, Faculty Of Applied Sciences, Department Of Real Estate Development And Management, 2016 - 2020
Gazi University, Teknik Eğitim Fakültesi, Yapı Eğitimi Bölümü, 2014 - 2015
Gazi University, Teknik Eğitim Fakültesi, Yapı Eğitimi Bölümü, 2009 - 2013

Courses

İNŞAAT MÜHENDİSLİĞİNE GİRİŞ, Undergraduate, 2022 - 2023
İNŞAAT MÜHENDİSLİĞİNE GİRİŞ, Undergraduate, 2021 - 2022
ENERGY CONSERVATION IN BUILDINGS, Postgraduate, 2020 - 2021
SUSTAINABLE BUILDING DESIGN, Postgraduate, 2020 - 2021
ARCHITECTURAL DESIGN AND REAL ESTATE VALUATION, Postgraduate, 2019 - 2020
EVALUATION OF SUSTAINABLE DEVELOPMENT POLICIES, Postgraduate, 2019 - 2020

Advising Theses

Gültekin A. B., Çelebi G., A MODEL PROPOSAL TO EVALUATE THE EFFECTS OF BUILDING AERODYNAMICS ON PEDESTRIAN WIND COMFORT, Doctorate, S.PALTUN(Student), 2022
Gültekin A. B., TECHNICAL AND ECONOMIC EVALUATION OF RENEWABLE ENERGY PLANTS: TURKEY RENEWABLE ENERGY TRANSFORMATION PROJECT PROPOSAL, Postgraduate, A.Murat(Student), 2021
GÜLTEKİN A. B., Türkiye'de sürdürülebilir taşınmaz geliştirme olgusunun yarattığı değerlerin sertifikalı yeşil bina üzerinden irdelenmesi, Postgraduate, A.SANBUR(Student), 2019
GÜLTEKİN A. B., Evaluation of the energy performance of glass construction materials in different degree day regions, Postgraduate, E.BAGHERI(Student), 2014

GÜLTEKİN A. B., Green building certification systems: Suggestion of a system for turkey, Postgraduate, B.BULUT(Student), 2014
GÜLTEKİN A. B., Evaluation of tall buildings within the context of sustainable design criteria, Postgraduate, S.YAVAŞBATMAZ(Student), 2012
Gültekin A. B., DESIGN AND EVALUATION OF AN EXAMPLE BUILDING IN ANKARA IN THE CONTEXT OF ECOLOGICAL BUILDING DESIGN CRITERIA, Postgraduate, B.ALPARSLAN(Student), 2010

Jury Memberships

Post Graduate, Post Graduate, Karabük Üniversitesi, September, 2022
Doctorate, Doctorate, Çankaya Üniversitesi, September, 2022
Post Graduate, Post Graduate, Gazi Üniversitesi, August, 2022
Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Sinop Üniversitesi, August, 2022
Post Graduate, Post Graduate, Gazi Üniversitesi, August, 2022
Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Sinop Üniversitesi, August, 2022
Doctorate, Doctorate, Eskişehir Teknik Üniversitesi, June, 2022
Doctorate, Doctorate, Gazi Üniversitesi, March, 2022
Post Graduate, Post Graduate, Gazi Üniversitesi, January, 2022
Doctorate, Doctorate, Gazi Üniversitesi, January, 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Mechanical, durability and microstructural characteristics of Portland pozzolan cement (PPC) produced with high volume pumice: Green, cleaner and sustainable cement development**
Ulus H., Aruntaş H. Y., Gültekin A. B., Dayı M., Çavuş M., Kaplan G.
CONSTRUCTION AND BUILDING MATERIALS, vol.378, pp.1-13, 2023 (SCI-Expanded)
- II. **A Systematic Literature Review of Rammed Earth Walls**
Niroumand H., Akbari R., Khanlari K., Gültekin A. B., Barcelo J. A.
Soil Mechanics And Foundation Engineering, vol.58, no.4, pp.295-301, 2021 (SCI-Expanded)
- III. **Structural analysis of earth construction's vaults: Case of underground tombs of Chogha Zanbil**
Hosseini S., Niroumand H., GÜLTEKİN A. B., Barcelo J. A., Osmadi A., Mahdavi F.
REVISTA DE LA CONSTRUCCION, vol.19, no.3, pp.366-380, 2020 (SCI-Expanded)
- IV. **Built environment design - social sustainability relation in urban renewal**
Yildiz S., Kivrak S., GÜLTEKİN A. B., Arslan G.
SUSTAINABLE CITIES AND SOCIETY, vol.60, 2020 (SCI-Expanded)
- V. **Ecological building design and evaluation in Ankara Ekološki održivo projektiranje i ocjenjivanje zgrada u Ankari**
Gültekin A. B., Ersöz B. A.
Gradjevinar, vol.65, no.11, pp.1003-1013, 2013 (SCI-Expanded)
- VI. **Sustainable design of tall buildings Održivo projektiranje visokih gradevina**
Gültekin A. B., Yavaşbatmaz S.
Gradjevinar, vol.65, no.5, pp.449-461, 2013 (SCI-Expanded)
- VII. **Investigation Of Mechanical Properties Used For Interlocking Concrete Pave Of Fly Ashes Gathered From Different Thermal Power Plants**
DURMUŞ G., GÜLTEKİN A. B., ŞİMŞEK O.
ENGINEERING SCIENCE AND TECHNOLOGY-AN INTERNATIONAL JOURNAL-JESTECH, vol.13, no.3, pp.99-105, 2010 (SCI-Expanded)

Articles Published in Other Journals

- I. **A Bibliometric Analysis on Life Cycle Assessment of Bricks**
Gültekin A. B., Eşidir Y.
Periodica Polytechnica Architecture, vol.54, no.1, pp.1-10, 2023 (Peer-Reviewed Journal)
- II. **Adaptation of construction sites to Covid-19 pandemic: Safe construction site certificate for Turkish construction**
Gültekin A. B.
Grid - architecture, planning and design journal (Online), vol.5, no.2, pp.301-324, 2022 (Peer-Reviewed Journal)
- III. **The Impact of National Culture and Development Level of Countries on their Occupational Safety Performance**
Yıldız S., Yılmaz M., Gültekin A. B., Özdemir U.
Çalışma İlişkileri Dergisi (Journal of Labour Relations), vol.12, no.1, pp.88-107, 2021 (Peer-Reviewed Journal)
- IV. **Analysis of Medical Waste Management: The Example of Turkey**
Aslan A. K., Taşçı S., Dokucu A., Taş Ş., Adıgüzel E., GÜLTEKİN A. B.
JOURNAL OF BIOREMEDIATION & BIODEGRADATION, vol.12, no.5, pp.1-7, 2021 (Peer-Reviewed Journal)
- V. **Multi-Dimensional Approaches to the Development of Sustainable Real Estate Valuation Principles**
Gültekin A. B.
IOP Conference Series-Materials Science and Engineering, vol.471, pp.1-11, 2019 (Conference Book)
- VI. **Microwave Curing Effect on Internal Sulphate Damage in Nano Alumina Reinforced White Cement**
Gültekin A. B.
IOP Conference Series-Materials Science and Engineering, vol.471, pp.1-10, 2019 (Conference Book)
- VII. **Yeşil Binalar ve Bir Eğitim Binası Olarak KHO Laboratuvar Merkezi Binasının Yeşil Bina Özellikleri Açısından İncelenmesi**
YILDIZ S., GÜLTEKİN A. B., SAVURAL E.
Kara Harp Okulu Bilim Dergisi, vol.27, no.2, pp.29-51, 2017 (Peer-Reviewed Journal)
- VIII. **TR Ministry of Science, Industry and Technology Design Centres Project**
Gültekin A. B.
Turkish Time Dergisi, no.11, pp.82-89, 2017 (Non Peer-Reviewed Journal)
- IX. **Sustainability Responsibilities of CEMBUREAU for Cement Sector**
Gültekin A. B.
Sintekplus, vol.11, pp.18-24, 2017 (Non Peer-Reviewed Journal)
- X. **Evaluation of Cities in the Context of Energy Efficient Urban Planning Approach**
Gültekin A. B.
IOP Conference Series: Materials Science and Engineering, vol.245, pp.1-10, 2017 (Conference Book)
- XI. **Business Management in Sustainable Buildings: Ankara-Turkey Case**
Gültekin A. B.
IOP Conference Series: Materials Science and Engineering, vol.245, pp.1-10, 2017 (Conference Book)
- XII. **Binalarda Pasif ve Aktif Güneş Sistemlerinin İncelenmesi**
KILIÇ DEMİRCAN R., GÜLTEKİN A. B.
TÜBAV BİLİM DERGİSİ, vol.10, no.1, pp.36-51, 2017 (Peer-Reviewed Journal)
- XIII. **Yıkıcı yeniliklerin belirlenmesi Sürdürülebilir inşaat sektöründe tehditler ve fırsatlar**
YILMAZ M., YILDIZ S., GÜLTEKİN A. B.
Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi (Journal of Balıkesir University Institute of Science and Technology), vol.18, no.1, pp.25-36, 2016 (Peer-Reviewed Journal)
- XIV. **Energy Performance of Glass Building Materials**
GÜLTEKİN A. B., FARAHBAKHS E. B.
TÜBAV Bilim Dergisi, vol.9, no.3, pp.52-65, 2016 (Peer-Reviewed Journal)
- XV. **Neighborhood Sustainability Assessment Tools and a Comparative Analysis of Five Different Assessment Tools Mahalle Sürdürülebilirlik Değerlendirme Araçları ve Beş Farklı Değerlendirme Aracına İlişkin Karşılaştırmalı Bir Analiz**

YILDIZ S., KIVRAK S., GÜLTEKİN A. B., ARSLAN G.

Planlama, vol.26, no.2, pp.93-100, 2016 (Peer-Reviewed Journal)

XVI. SÜRDÜRÜLEBİLİR ÇİMENTO SEKTÖRÜ

GÜLTEKİN A. B.

CemenTürk Dergisi, no.45, pp.68-74, 2016 (Non Peer-Reviewed Journal)

XVII. YEŞİL KAMU BİNASI UYGULAMALARINI TEŞVİK EDEN VE ENGELLEYEN ETKENLERİN DEĞERLENDİRİLMESİ EVALUATION OF PROMOTERS AND BARRIERS FOR GREENBUILDING APPLICATIONS IN PUBLIC SECTOR

YILDIZ S., YILMAZ M., KIVRAK S., GÜLTEKİN A. B.

International Refereed Journal of Design and Architecture (Uluslararası Hakemli Tasarım ve Mimarlık Dergisi - TMD), no.7, pp.249-263, 2016 (Peer-Reviewed Journal)

XVIII. Yaşam Döngüsü Değerlendirme Yöntemi Kapsamında Yapı Ürünlerinin Çevresel Etkilerinin Değerlendirilmesine Yönelik Bir Model Önerisi

GÜLTEKİN A. B., ÇELEBİ G.

Düzce Üniversitesi Bilim ve Teknoloji Dergisi - DÜBİTED, vol.4, no.1, pp.4-36, 2016 (Peer-Reviewed Journal)

XIX. 4306 SAYILI KANUN KAPSAMINDA İLKÖĞRETİM OKUL BİNALARININ MEKÂNSAL YETERLİLİKLERİNİN İNCELENMESİ: ANKARA ÖRNEĞİ

GÜLTEKİN A. B., ARUNTAŞ H. Y., GÜN B.

Gazi Eğitim Fakültesi Dergisi, vol.34, no.1, pp.43-61, 2014 (Peer-Reviewed Journal)

XX. Ecological building design criteria: A case study in Ankara

GÜLTEKİN A. B., Alparslan B.

Gazi University Journal of Science, vol.24, no.3, pp.605-616, 2011 (Scopus)

XXI. Usage of Renewable Energy Resources in Buildings in the Context of Sustainability

Gültekin A. B.

Mühendislik Bilimleri ve Tasarım Dergisi, vol.1, no.3, pp.96-100, 2011 (Peer-Reviewed Journal)

XXII. Sustainable Construction Sector

Gültekin A. B.

İNTEŞ - Türk İnşaat Sanayicileri İşveren Sendikası Gazetesi - Genç Yönetici İGY, vol.23, pp.14-15, 2010 (Non Peer-Reviewed Journal)

XXIII. Examination of Environmental Impacts of Construction Materials in the Context of Some Norms

Gültekin A. B.

Tasarım Dergisi, Ekoloji ve Mimarlık Sayısı, vol.170, pp.120-124, 2007 (Non Peer-Reviewed Journal)

XXIV. Sürdürülebilir Mimarlığın Kapsamı Kavramsal Çerçeveden Bir Bakış

GÜLTEKİN A. B., ÇELEBİ G.

Mimarlar Dergisi, Küresel Isınma ve Mimarlık Sayısı, vol.2, pp.30-36, 2007 (Non Peer-Reviewed Journal)

XXV. Yeşil Olimpiyat- Tasarım Anlayışına Bir Örnek: Sidney 2000 Projesinin İrdelenmesi ve Değerlendirilmesi

IRKLI ERYILDIZ D., GÜLTEKİN A. B.

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.20, no.1, pp.107-123, 2005 (Scopus)

XXVI. Environmentalist Sydney Olympic Village

Gültekin A. B.

TMMOB Mimarlar Odası Ankara Şubesi Bülteni, Ekoloji ve Mimarlık Sayısı, vol.12, pp.8-11, 2003 (Non Peer-Reviewed Journal)

Books & Book Chapters

I. İnşaat Sektörü Kaynaklı Sera Gazı Emisyonları ve İnşaat Sektörünün İklim Değişikliğine Uyumu

Eşidir Y., Gültekin A. B.

in: Sürdürülebilir Kalkınma ve İklim Değişikliği: Bağıntılar ve Örnekler, Doç. Dr. İzzet Arı, Editor, Gazi Yayın Dağıtım,

Ankara, pp.109-131, 2023

- II. **Determination of the Awareness Levels of Civil Engineering Students Regarding 3D Printing Technology (İnşaat Sektörünün Gelecekteki Aktörlerinin 3B Baskı Teknolojisi Hakkındaki Farkındalık Düzeylerinin Tespiti)**
SARI A., GÜLTEKİN A. B., KAYA G. N., AKDAĞ Ş.
in: Advances in Engineering Science, Kılıç, G. B., Editor, Platanus Publishing, Ankara, pp.175-189, 2023
- III. **Digital Transformation of Construction Sector Through 3D Printing Technology: Rebuild or Retrofit?**
SARI A., GÜLTEKİN A. B.
in: Transformation in Architecture, Merve Tuna, Editor, Generis Publishing, pp.57-75, 2022
- IV. **A Conceptual Framework for Sustainable Building Design**
Gültekin A. B.
in: Sürdürülebilir Kalkınma Rolüyle Mimarlık 2, Ruşen Yamaçlı, Leyla Yekdane Tokman, Editor, Eskişehir Teknik Üniversitesi Yayınları, Eskişehir, pp.1-14, 2021
- V. **A New Approach in Sustainable Urban Transformation Super Cities**
APAYDIN E., KÖROĞLU Y. E., GÜLTEKİN A. B., TANRIVERMİŞ H.
in: Lecture Notes in Civil Engineering 6, Fırat S., Kinuthia, J., Abid, A., Editor, Springer International Publishing AG, part of Springer Nature 2018, pp.750-762, 2018
- VI. **Integrated Building Design Approach: Turkish Case**
KAHRAMAN İ., ÖZELER KANAN N., KARABACAK A., GÜLTEKİN A. B.
in: Lecture Notes in Civil Engineering 6, Fırat S., Kinuthia, J., Abid, A., Editor, Springer International Publishing AG, Part of Springer Nature 2018, pp.350-358, 2018
- VII. **Sustainable Transportation**
DOĞAN I., GÜLTEKİN A. B., TANRIVERMİŞ H.
in: Lecture Notes in Civil Engineering 6, Fırat S., Kinuthia, J., Abid, A., Editor, Springer International Publishing AG, Part of Springer Nature 2018, pp.242-252, 2018
- VIII. **A Holistic Conceptual Scheme for Sustainable Building Design in the context of Environmental, Economic and Social Dimensions**
GÜLTEKİN A. B., YILDIRIM H. Y., TANRIVERMİŞ H.
in: Sustainable Buildings: Interaction Between a Holistic Conceptual Act and Materials Properties, Amjad Almusaed, Asaad Almssad, Editor, InTechOpen, pp.17-48, 2018
- IX. **An Examination of the Energy-Efficient Building Design on High-Rise Buildings**
YILDIRIM H. Y., GÜLTEKİN A. B., TANRIVERMİŞ H.
in: Lecture Notes in Civil Engineering 7, , Editor, Springer International Publishing, CHAM, pp.158-175, 2017
- X. **A Literature Survey on Integration of Wind Energy and Formal Structure of Buildings at Urban Scale**
PALTUN S., GÜLTEKİN A. B., ÇELEBİ G.
in: Lecture Notes in Civil Engineering 7, , Editor, Springer International Publishing, CHAM, pp.36-51, 2017
- XI. **Green Wall Systems: A Literature Review**
BARAN Y., GÜLTEKİN A. B.
in: Lecture Notes in Civil Engineering 7, , Editor, Springer International Publishing, CHAM, pp.82-96, 2017
- XII. **An Examination on Evolution of Sustainability in the Context of United Nations Sustainable Development Goals: Turkey Case**
GÜLTEKİN A. B., DİKMEN Ç. B., ERCİYES A. H., ÖRGÜ D.
in: Lecture Notes in Civil Engineering 7, , Editor, Springer International Publishing, CHAM, pp.252-271, 2017
- XIII. **Sustainable Tall Building Design: Evaluation of LEED Certificated Tall Buildings**
Gültekin A. B.
LAP Lambert Academic Publishing, Saarbrücken, 2013
- XIV. **Yerel Yönetimler için Ulaşılabilirlik Temel Bilgiler Teknik El Kitabı**
Hülagü K. (Editor), Yüksel Ü. (Editor), Gültekin A. B. (Editor), Güngör C. (Editor), Karasu N. (Editor), Çavuş M. (Editor)
T.C. Başbakanlık Özürlüler İdaresi Başkanlığı, Ankara, 2010

Refereed Congress / Symposium Publications in Proceedings

- I. **The Impact of Green Buildings and Internal Patios on Energy Consumption in a School Building: A Computer Simulation Model**
Niroumand H., Akbari R., Khanlari K., Gültekin A. B.
International Conference on Advancing Sustainable Futures (ICASF 2023), Dubai, United Arab Emirates, 5 - 06 December 2023, pp.10-20
- II. **Evaluation of LEED-Certified Hospitals in Turkey within the Scope of Sustainable Design**
Doğan F., Gültekin A. B., Sarı A.
IX-International European Conference on Interdisciplinary Scientific Research, Valencia, Spain, 19 - 21 January 2024, pp.967-981
- III. **Determination of Alternative Areas Suitable for the Construction of Offshore Wind Energy Power Plant in Turkey Within the Scope of the Blue Homeland Map**
Güneş Ç., Gültekin A. B.
5th International Acharaka Congress on Life, Engineering, and Applied Sciences, İzmir, Turkey, 11 - 13 November 2023, pp.83-84
- IV. **DETERMINATION OF POTENTIAL AREAS IN TURKEY APPROPRIATE FOR THE CONSTRUCTION OF OFFSHORE WIND POWER PLANTS WITHIN THE SCOPE OF THE BLUE HOMELAND MAP**
Güneş Ç., Gültekin A. B.
2nd International Paris Congress on Applied Sciences, Paris, France, 25 - 27 August 2023, pp.111-117
- V. **Evaluation of LEED-Certified Office Buildings in Turkey in Terms of Water Efficiency**
Yanılmaz B. B., Turgut T., Gültekin A. B.
10th International Multidisciplinary Conference on Economics, Business, Technology and Social Sciences, Batumi, Georgia, 11 - 12 June 2022, pp.44-55
- VI. **A Conceptual Framework for Retrofitting of Prison Facilities in the Context of Nearly Zero-Energy Target**
Nalçacı F., Gültekin A. B.
10th International Multidisciplinary Conference on Economics, Business, Technology and Social Sciences, Batumi, Georgia, 11 - 12 June 2022, pp.4-5
- VII. **Integration of biophilic design into urban areas through green roofs**
Gültekin A. B.
Geo Terrace Conference 2020-049, Lviv, Ukraine, 7 - 09 December 2020, pp.1-5
- VIII. **A Comparative Life Cycle Assessment of Asphalt and Rigid Pavements**
Atakan M., Gültekin A. B., Yıldız K.
6th international Project and Construction Management Conference (IPCMC2020), İstanbul, Turkey, 12 - 14 November 2020, pp.1172-1183
- IX. **International Steps on Climate Change and Transition to the Paris Agreement under the Effect of Covid-19**
SARI A., GÜLTEKİN A. B.
6th International Project and Construction Management Conference (e-IPCMC 2020), Turkey, 12 - 14 November 2020, pp.1138-1153
- X. **Parameters Affecting User Preferences in Urban Parks: The Case of Ankara-Turkey**
GÜLTEKİN A. B., DOKUCU A.
7th International Academic Conference on Economics, Business, Engineering and Social Sciences, TİFLİS, Georgia, 21 - 22 December 2019, pp.5-6
- XI. **Evaluation of Location Selection Criteria of the Solar Power Plants: Example of Turkey-Aydın (Nazilli)**
DOKUCU A., GÜLTEKİN A. B., ÖZGÜR O., ASLAN A. K., ÇAKIR A. E.
7th International Academic Conference on Economics, Business, Engineering and Social Sciences, TİFLİS, Georgia, 21 - 22 December 2019, pp.51-62
- XII. **A Research on Sustainable Development and Natural Disasters: Case of Erbaa Earthquakes**

ASLAN A. K., GÜLTEKİN A. B., TAŞ Ş.

7th International Academic Conference on Economics, Business, Engineering and Social Sciences, TİFLİS, Georgia, 21 - 22 December 2019, pp.6

XIII. Investigation of the Role of Non-Governmental Organizations and Volunteers in Disaster Management: Case of Van-Turkey Earthquakes

DOKUCU A., ÖZGÜR O., TAŞ Ş., GÜLTEKİN A. B., ASLAN A. K.

7th International Academic Conference on Economics, Business, Engineering and Social Sciences, TİFLİS, Georgia, 21 - 22 December 2019, pp.40-50

XIV. A Comparative Evaluation of Solar, Wind, and Biomass Energy in Terms of Technical and Economic Aspects: Turkey Case

Gültekin A. B.

4th International Sustainable Buildings Symposium - ISBS2019, Texas, United States Of America, 18 - 20 July 2019, no.53, pp.661-672

XV. Impact of Capital Flight on Economic Growth of Nigeria (1980 - 2014)

Gültekin A. B.

4th International Sustainable Buildings Symposium - ISBS2019, Texas, United States Of America, 18 - 20 July 2019, no.64, pp.793-805

XVI. Problems Experienced by Wheelchair Sporters in Sports Halls and Sustainable Solution Proposals

Çelik E., Çelik Z., Aruntaş H. Y., Taş Ş., Altunkaynak K., Gültekin A. B.

4th International Sustainable Buildings Symposium - ISBS2019, Texas, United States Of America, 18 - 20 July 2019, pp.147-162

XVII. Entropy Value of Sustainable Property Design Criteria: To Start a Study on Turkish REICs

Gültekin A. B.

4th International Sustainable Buildings Symposium - ISBS2019, Texas, United States Of America, 18 - 20 July 2019, no.46, pp.561-578

XVIII. Sustainable Development after Disasters: The Case of Erbaa County

Gültekin A. B.

4th International Sustainable Buildings Symposium - ISBS2019, Texas, United States Of America, 18 - 20 July 2019, vol.9781789851908, pp.807-820

XIX. The Impact of Heat Transfer Fluids on the Sustainable Solutions for Solar Power Tower

KÖŞKER Ö., GÜLTEKİN A. B., HAYRULLAHOĞLU G., YETER E.

4TH INTERNATIONAL SUSTAINABLE BUILDINGS SYMPOSIUM (ISBS2019), DALLAS, United States Of America, 18 - 20 July 2019, pp.647-660

XX. Evaluation of Variables That Affect Urban Park User Preferences: Ankara-Turkey Sample

Gültekin A. B.

4th International Sustainable Buildings Symposium - ISBS2019, Texas, United States Of America, 18 - 20 July 2019, no.49, pp.601-618

XXI. Nesnelerin İnterneti Temelinde 5G ile Kent ve Güvenlik Paradigması

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XXII. Belediyelerde İnsan Kaynakları Yönetimi: Türkiye Örneği (Human Resources Management in Municipalities: Turkey Case)

KAPLAN A., GÜLTEKİN A. B.

5th International Mediterranean Social Sciences Congress (MECAS V), Podgorica, Montenegro, 18 - 20 June 2019, pp.115-116

XXIII. Kentsel Dönüşüm Uygulama Aktörlerinin Sürdürülebilir Bina Tasarım Yaklaşımı Konusundaki Farkındalık Düzeylerinin Değerlendirilmesi (Evaluation of the Awareness Level of Urban Transformation Application Actors on Sustainable Building Design Approach)

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- XXIV. **Microwave Curing Effect on Internal Sulphate Damage in Nano Alumina Reinforced White Cement**
KAPLAN G., Demircan R. K., Cakmak C., GÜLTEKİN A. B.
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- XXV. **Multi-Dimensional Approaches to the Development of Sustainable Real Estate Valuation Principles**
sanbur a., GÜLTEKİN A. B.
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- XXVI. **The Created Value by the Fact of Sustainable Real Estate Development on Urban Spaces, Certified Green Building Case in Turkey**
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3rd International Academic Conference on Economics, Business and Social Sciences – Contemporary Academic Issues in a Modern Society, TİFLİS, Georgia, 21 - 23 December 2018, pp.48-55
- XXVII. **Sustainable Architecture**
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- XXVIII. **A Research on Categories of LEED Certification System: Case Study of Dockside Green**
JAHED S., GÜLTEKİN A. B.
3rd International Academic Conference on Economics, Business and Social Sciences – Contemporary Academic Issues in a Modern Society, TİFLİS, Georgia, 21 - 23 December 2018, pp.39-47
- XXIX. **Evaluation of the Parameters Effecting Housing Preferences in Terms of Buyers: Case Study of Mersin-Turkey**
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- XXX. **A Study on the Water Conservation Measures in Green Buildings**
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- XXXI. **A Study on the Possible Use of Industrial Waste in Rollercompacted Concrete Pavement**
KAPLAN G., ARUNTAŞ H. Y., KILIÇ DEMİRCAN R., GÜLTEKİN A. B.
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- XXXII. **Türkiye’de Mimarlık Eğitiminde Sürdürülebilir Bina Tasarımına İlişkin Derslerin İrdelenmesi**
DİKMEN Ç. B., GÜLTEKİN A. B., BARAN Y.
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- XXXIII. **Bozok Üniversitesi Mimarlık Bölümü Mimari Tasarım Derslerinin Değerlendirilmesi**
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- XXXVI. **A Study on the Use of Forest Assets as a Means of Producing Land-Estate in Turkey**
KARA İ., GÜLTEKİN A. B., TANRIVERMİŞ H.
3rd International Sustainable Buildings Symposium - ISBS2017, Dubai, United Arab Emirates, 15 - 17 March 2017
- XXXVII. **Evaluation of Energy Efficient Urban Planning Approach**
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- XXXVIII. **Analysis of Restoration Mortars Used For Strengthening of Historical Buildings in the Context of Sustainability Criteria**
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- XXXIX. **An Investigation of Turkey s Real Estate Sector within the Scope of Sustainable Development and the Human Development Index HDI**
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- XLI. **YEŞİL KAMU BİNASI UYGULAMALARINI TEŞVİK EDEN VE ENGELLEYEN ETKENLERİN DEĞERLENDİRİLMESİ**
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1ST INTERNATIONAL CONGRESS ON ENGINEERING ARCHITECTURE AND DESIGN, Kocaeli, Turkey, 13 - 14 November 2015, pp.88-89
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- XLIX. **Use of Aluminum Material in Construction Sector in the Context of Sustainable Building Design and Environmental Impacts**
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- L. **Sustainable indoor air quality (IAQ) in hospital buildings**

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- LI. The Investigation of Fly Ash Usage in Terms of Environmental and Social Effects In Construction Sector**
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- LII. Green Roofs and Applications in Turkey**
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5. Ulusal Çatı & Cephe Sempozyumu, İzmir, Turkey, 15 - 16 April 2010, pp.175-182
- LIII. Examination of the Design Criteria of Children’s Play Areas and Play Tools**
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- LIV. Life Cycle Assessment and An Application with GaBi Software Program**
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- LV. Integration of Enviromental Product Declarations in Architectural Design Process within the Context of Sustainable Architecture**
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5. Uluslararası İleri Teknolojiler Sempozyumu, (İats’09), Karabük, Turkey, 13 - 15 May 2009, pp.2178-2183
- LVII. Examination of Construction Products within the Context of “Service Life”: Case Study of Reinforced Concrete**
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- LVIII. Evaluation of Timber and PVC Joinery within the Context of Sustainable Architecture**
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5th International Advanced Technologies Symposium - IATS’09 (5. Uluslararası İleri Teknolojiler Sempozyumu), Karabük, Turkey, 13 - 15 May 2009, pp.2067-2072
- LIX. Ekolojik Yapı Tasarım Ölçütlerinin Türkiye deki Güneş Evleri Kapsamında İncelenmesi Analysis of Ecologic Building Design Criteria within the Context of Solar Houses**
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DİKMEN Ç. B., GÜLTEKİN A. B.
21. International Building and Life Congress: Nature, City Sustainability, Bursa, Turkey, 20 - 21 March 2009, pp.160-165
- LXII. Examination of Curriculums and Design Courses in Architecture Education: Bozok University Case Study**

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- LXIII. **Examination of Standards About the Environmental Performance of the Construction Products used in the Hospitals**
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- LXIV. **The Examination of Urban Furniture within the Context of Urban Life Quality**
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19th International Congress of Building and Life: Future of Architecture, Architecture for Future (19. Uluslararası Yapı ve Yaşam Kongresi: Mimarlığın Geleceği, Gelecek için Mimarlık), Bursa, Turkey, 22 - 24 March 2007, pp.426-437
- LXV. **Sürdürülebilir Mimari Tasarım İlkeleri Kapsamında Çözüm Önerileri Proposal of Solutions within the Context of Sustainable Architectural Design Guidelines**
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- LXVI. **Life Cycle Assessment Methodology in the Building Sector**
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GÜLTEKİN A. B., SANCAK E.
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- LXX. **An Examination on a Method about Construction Sector - Environment Relationship: Life Cycle Assessment Methodology (LCA)**
Gültekin A. B.
Çevre ve Ormanlık Şurası, Antalya, Turkey, 21 - 24 March 2005, pp.13-21
- LXXI. **Sustainable Architecture and Examination of Construction materials in the Context of Their Life Cycles**
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Yapı Malzemesi Kurultayı 2003, İstanbul, Turkey, 8 - 09 December 2003, pp.25-38
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International Conference on Innovative Applied Energy (IAPE '19), Oxford, United Kingdom, 14 - 15 March 2019, pp.199-212

Expert Reports

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Gültekin A. B.
Ankara Üniversitesi, pp.160, Ankara, 2017
- II. **National Technical Approval Guide Document for Determination of Termal Calculation Values of Construction Materials**
Gültekin A. B.
Yalıtım Malzemelerinin Tek Başlarına veya Kit Halindeki Isıl Hesap Değerlerinin Belirlenmesi için Ulusal Teknik Onay Rehber Dokümanı”, CPC Belgelendirme Muayene ve Deney Hizmetleri Tic. ve Ltd. Şti., Aralık 2016., pp.30, Ankara, 2016
- III. **National Technical Approval Guide Document for Inert Mortar Admixture**
Gültekin A. B.
CPC Belgelendirme Muayene ve Deney Hizmetleri Tic. ve Ltd. Şti. (CPC Certification Inspection Test Trading Co. Ltd.), pp.25, Ankara, 2016
- IV. **Scientific and Legal Observation about the Change of 1/5000 Scaled Master Development Plan and 1/1000 Scaled Implementary Development Plan of Ankara Metropolitan Municipality**
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Ankara Üniversitesi, pp.130, Ankara, 2016
- V. **National Technical Approval Guide Document for Determination of Termal Calculation Values of Masonry Units**
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- VI. **Examination of Dormitory and Recreational Facility of Akdeniz University and Cost Analysis**
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- VII. **National Technical Approval Guide Document for Super Limestone Cement**
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- VIII. **Scientific Observation and Technical Assessment Report about Action of Debt on Damage Indemnity of Gendarmerie Station and Lodging Buildings Located in Bingöl City Karlıova District because of Earthquake**
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Ankara Üniversitesi, pp.80, Ankara, 2016
- IX. **National Technical Approval Guide Document for Filler Block**
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CPC Belgelendirme Muayene ve Deney Hizmetleri Tic. ve Ltd. Şti. (CPC Certification Inspection Test Trading Co. Ltd.), pp.25, Ankara, 2016
- X. **Analysis of Impacts of Öksüt Mining Industry and Trade Inc. (Ömaş) Develi Project on Income and Living Conditions of Owners and Users**
Gültekin A. B.
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- XI. **National Technical Approval Guide Document for Bottom Ash**
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- XII. **National Technical Approval Guide Document for Artificial Plaster**
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XIII. National Technical Approval Guide Document for Aluminate Cement

Gültekin A. B.

CPC Belgelendirme Muayene ve Deneş Hizmetleri Tic. ve Ltd. Őti. (CPC Certification Inspection Test Trading Co. Ltd.), pp.25, Ankara, 2016

Supported Projects

Gültekin A. B., Arslan Selçuk S., Beyhan F., Erasmus Project, FROM HERO TO ZERO : Wise Energy Use Volunteering Scheme for Youngsters, 2018 - 2021

Gültekin A. B., Project Supported by Higher Education Institutions, Analysis and Assessment of Ecological Building Design Criteria in the context of A Sample Building, 2009 - 2012

Gültekin A. B., Erdal M., FP7 Project, Examination of Life Cycle Assessment Method in the context of the Environmental Impacts of Construction Materials, 2008 - 2009

Gültekin A. B., Çelebi G., Project Supported by Higher Education Institutions, Life Cycle Assessment Methodology within the Context of the Evaluation of Environmental Performance of Buildings, 2005 - 2008

Gültekin A. B., Kayhan K. S., Esin T., Project Supported by Higher Education Institutions, The Determination of Ecological Structuring Criteria, and Design of an Example Building for Marmara Region, 2001 - 2002

Memberships / Tasks in Scientific Organizations

Turkish Society of HVAC and Sanitary Engineers (TTMD), Member, 2019 - Continues, Turkey

The Union of Turkish Engineers and Architects (UCTEA), Chamber of Architects, Member, 1997 - Continues, Turkey

Scientific Refereeing

PLANARCH - Design and planning research (Online), National Scientific Refreed Journal, October 2022

PLANARCH - Design and planning research (Online), National Scientific Refreed Journal, June 2022

Mimarlık Ve Yaşam, National Scientific Refreed Journal, April 2022

Osmaniye Korkut Ata Üniversitesi Fen Bilimleri Enstitüsü Dergisi (Online), National Scientific Refreed Journal, April 2022

The International Journal of Energy and Engineering Sciences, Other Journals, March 2022

Tasks In Event Organizations

Gültekin A. B., 4th International Students' Scientific-Practical Conference: Regional Congress of Green Economy and Sustainable Development, Scientific Congress, Georgia, Nisan 2020

Gültekin A. B., World Women Conference, Scientific Congress, Turkey, Mart 2020

Gültekin A. B., 2nd International Conference on Real Estate Development and Management 2020, Scientific Congress, Turkey, Şubat 2020

Gültekin A. B., 4th International Sustainable Buildings Symposium - ISBS2019, Scientific Congress, Texas, United States Of America, Temmuz 2019

Gültekin A. B., 4th International Sustainable Buildings Symposium (ISBS2019) - Best Sustainable Practices Competition, Social Activities, Texas, United States Of America, Temmuz 2019

Gültekin A. B., 3rd International Sustainable Buildings Symposium - ISBS2017, Scientific Congress, Dubai, United Arab Emirates, Mart 2017

Gültekin A. B., Road and Traffic Safety Congress for Sustainable Transportation - ROTRASA, Scientific Congress, Ankara, Turkey, Aralık 2015

Gültekin A. B., 2nd International Sustainable Buildings Symposium - ISBS2015, Scientific Congress, Ankara, Turkey, Mayıs 2015

Gültekin A. B., Ceramic Products and Ceramic Tile Veneering Seminar, Social Activities, Ankara, Turkey, Mart 2012

Gültekin A. B., Gas Concrete Products, Fireproof Thermal Insulation System and Environment-Friendly Buildings, Social Activities, Ankara, Turkey, Mart 2012

Gültekin A. B., Energy Efficiency for Buildings Conference (Murat Bayram), Social Activities, Ankara, Turkey, Aralık 2011

Gültekin A. B., Energy Architecture Conference (Çelik Erengözgin), Social Activities, Ankara, Turkey, Ekim 2011

Gültekin A. B., International Sustainable Buildings Symposium - ISBS, Scientific Congress, Ankara, Turkey, Mayıs 2010

Gültekin A. B., Sustainable Building Workshop, Workshop Organization, Ankara, Turkey, Mayıs 2010

Gültekin A. B., "Life Cycle Assessment Methodology in the context of Environmental Impacts of Construction Materials" Seminar, Social Activities, Ankara, Turkey, Nisan 2009

Metrics

Publication: 140

Citation (WoS): 52

Citation (Scopus): 68

H-Index (WoS): 3

H-Index (Scopus): 3

Congress and Symposium Activities

10th International Multidisciplinary Conference on Economics, Business, Technology and Social Sciences, Panelists, Batumi, Georgia, 2022

10th International Multidisciplinary Conference on Economics, Business, Technology and Social Sciences, Panelists, Batumi, Georgia, 2022

10th International Multidisciplinary Conference on Economics, Business, Technology and Social Sciences, Panelists, Batumi, Georgia, 2022

10th International Multidisciplinary Conference on Economics, Business, Technology and Social Sciences, Panelists, Batumi, Georgia, 2022

Invited Talks

Yapı Sektöründe Yaşam Döngüsü Değerlendirme Yöntemi, Seminar, Türk Tesisat Mühendisleri Derneği, Turkey, February 2022

International Smart Construction Conference, Conference, Kangwon National University, South Korea, December 2020

Civil Ankara, Conference, Gazi Üniversitesi, Turkey, March 2020

3rd International Students' Scientific-Practical Conference: Regional Congress of Green Economy and Sustainable Development, Conference, Tiflis Devlet Üniversitesi, Georgia, December 2019

Creating an Awareness on Zero Energy Buildings among Youngsters (fromZERO2HERO), EU Erasmus Project Dissemination Activities Meeting - 8, Seminar, Gazi Üniversitesi, Turkey, November 2019

Architectural Approaches from 1923s until Now, Conference, TRT Ankara Radio, Turkey, May 2019

Workshop on Sustainable Cities and Management of Solid Wastes, Workshop, Van İpekyolu Municipality, Turkey, February 2019

Civil Ankara, Conference, Gazi Üniversitesi, Turkey, March 2018

Sarajevo Co-Workers Technical Seminar, Seminar, CemenTürk, Bosnia And Herzegovina, April 2016

Real Estate Development and Management Program, Real Estate Sector Seminars, Seminar, Ankara Üniversitesi, Turkey, March 2015

Accessible Yozgat Project, Conference, Yozgat Bozok Üniversitesi, Turkey, September 2012

Sustainable Construction and Building in Mediterranean Countries Conference - Workshop and Forum (Med in Italy), Conference, İtalyan Ticaret Odası Derneği, Italy, June 2011

Earthquake/ Natural Disaster Fact and Structuring Seminar, Seminar, Turkish Japanese Foundation, Turkey, May 2006

III. Eco-Architecture Meeting, Seminar, TMMOB Chamber of Architects, Turkey, May 2003

Awards

Gültekin A. B., International Symposium Organization Outstanding Achievement Award (4th International Sustainable Buildings Symposium-ISBS 2019), Texas Tech University - Texas A&M University Commerce, U.S. Green Building Council North Texas Chapter (Usgbc)- American Institute Of Architects Dallas Chapter (Aia), Dallas, Texas-United States, July 2019

Gültekin A. B., International Symposium Organization Outstanding Achievement Award (3th International Sustainable Buildings Symposium-ISBS 2017), Rectorate Of The British University İn Dubai , March 2017

Gültekin A. B., International Symposium Organization Award (2nd International Sustainable Buildings Symposium-ISBS2015), Gazi Üniversitesi Rektörlüğü, October 2015

Gültekin A. B., Poster Championship Award (2nd International Sustainable Buildings Symposium – ISBS2015), Gazi Üniversitesi, May 2015

Gültekin A. B., Science Citation Index - Social Sciences Citation Index - Art and Humanities Citation Index Publication Award, Gazi Üniversitesi Rektörlüğü, June 2014

Non Academic Experience

Gazi Üniversitesi

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Gebze Yüksek Teknoloji Enstitüsü