

## Prof. İHSAN ALP

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AHE-4511-2022

ScopusID: 6507127461

Yoksis Researcher ID: 3955

### Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, İstatistik (Dr), Turkey 1985 - 1991

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, İstatistik (YI) (Tezli), Turkey 1983 - 1984

Undergraduate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Mathematics, Turkey 1975 - 1981

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Lİmitsel Bölünümler, Gazi University, Fen Bilimleri Enstitüsü, İstatistik (Dr), 2018

Postgraduate, Çok amaçlı karar vermede etkileşimli programlama ve kaliteli kanatlı yemleri için bir uygulama, Gazi University, Fen Bilimleri Enstitüsü, İstatistik (YI) (Tezli), 1990

### Academic Titles / Tasks

Professor, Gazi University, Fen Fakültesi, İstatistik Bölümü, 2008 - Continues

Associate Professor, Gazi University, Fen Fakültesi, İstatistik Bölümü, 2000 - 2008

Assistant Professor, Gazi University, Fen Fakültesi, İstatistik Bölümü, 1992 - 2000

Research Assistant, Gazi University, Fen Fakültesi, İstatistik Bölümü, 1982 - 1991

### Advising Theses

ALP İ., Energy And Environmental Performance Evaluation Of Countries By Decomposition Analysis, Doctorate, S.BODUR(Student), 2020

ALP İ., Evaluation Of Performance Of The Banking Sector In Turkey With Data Envelopment Analysis, Postgraduate, R.KAYALI(Student), 2020

ALP İ., Dynamic Performance Assessment In The Banking Sector, Postgraduate, F.ŞAHİN(Student), 2019

ALP İ., Comparative Dynamic Performance Analysis Of Turkey'S And Oecd Countries' Postal And Telegraph Organisations, Postgraduate, F.SAFİYE(Student), 2019

ALP İ., Bankacılık sektöründe dinamik performans değerlendirilmesi, Postgraduate, F.ŞAHİN(Student), 2019

ALP İ., The Comparison Of Turkey'S Education Performance To The Oecd Countries, Postgraduate, M.ALBAYRAK(Student), 2018

ALP İ., Çin'de meydana gelen depremlerin zaman serileri ve Markov zincirleriyle modellenmesi, Postgraduate, T.LI(Student), 2016

ALP İ., A New Approach In Stochastic Frontier Analysis, Doctorate, H.KINACI(Student), 2016

ALP İ., Time Series Of Earthquakes In China And Modeling With Markov Chain, Postgraduate, T.LI(Student), 2016

ALP İ., A new approach in the selection of multi criteria decision Making methods, Doctorate, A.ÖZTEL(Student), 2016

ALP İ., Çok kriterli karar verme yöntemi seçiminde yeni bir yaklaşım, Doctorate, A.ÖZTEL(Student), 2016

ALP İ., Assessment Of Turkey And European Union Countries For Crime Performances Regarding Less Crime, Postgraduate, E.CEYLAN(Student), 2015

ALP İ., Determining R&D Efficiency Of The European Union And Candidate Countries With Data Envelopment Analysis, Postgraduate, M.KÜPELİ(Student), 2015

ALP İ., Incidence of inefficiency and bayesian priors for estimators of data envelopment analysis, Doctorate, M.GÜRAY(Student), 2014

ALP İ., Investigation Of Solid Waste Management Performance Of Turkey And European Union Countries, Postgraduate, Z.TÜZÜNER(Student), 2014

ALP İ., An investigation of the health performance of European Union countries with data envelopment analysis and malmquist index, Postgraduate, C.ŞENER(Student), 2013

ALP İ., A new approach on the homogeneous weighting in data envelopment analysis, Doctorate, E.DEMET(Student), 2012

ALP İ., New decision support system for performance analysis, Postgraduate, V.SONER(Student), 2012

ALP İ., Oecd countries' energy based development performances' measurement by stochastic frontier analysis, Postgraduate, I.ÖZGÜR(Student), 2012

ALP İ., Performance evaluation of universities with stochastic frontier analysis, Postgraduate, E.ÖZGÜMÜŞ(Student), 2012

ALP İ., Measuring human development via data envelopment analysis, Postgraduate, S.ÇINAR(Student), 2012

ALP İ., Veri zarflama analizi ile Antalya bölgesindeki Ziraat Bankası şubelerinin performans değerlendirilmesi, Postgraduate, C.KARACA(Student), 2010

ALP İ., ASSESSMENT OF THE PERFORMANCE OF THE ZIRAAT BANK BRANCHES IN THE ANTALYA DISTRICT VIA THE DATA ENVELOPMENT ANALYSIS, Postgraduate, C.KARACA(Student), 2010

ALP İ., PERFORMANCE EVALUATION OF 2006 WORLD CUP FOOTBALL TEAMS BY STOCHASTIC FRONTIER ANALYSIS, Postgraduate, S.YARLIKAŞ(Student), 2007

ALP İ., Veri zarflama analizinde süper etkinlik ve bir uygulama, Postgraduate, E.DEMET(Student), 2005

ALP İ., Toplam faktör verimliliği ve bileşenleri, Postgraduate, M.AYDEĞER(Student), 2005

ALP İ., Veri zarflama analizi ve orman yönetiminde bir uygulama, Postgraduate, E.ALIM(Student), 2004

ALP İ., 1999-2003 döneminde Türkiye'deki ortaöğretim kurumlarının ÖSS'deki etkinliklerinin DEA-Malmquist TFP endeksi ile incelenmesi, Postgraduate, M.KÜÇÜKŞİMŞEK(Student), 2004

ALP İ., Sağlık Bakanlığına bağlı hastanelerde etkinlik analizi: Veri zarflama analizine ait bir uygulama, Postgraduate, L.TÖNGÜR(Student), 2001

ALP İ., Çok kriterli karar destek sistemi ELECTRE yöntemleri üzerine bir uygulama, Postgraduate, O.SERİNKAYA(Student), 2001

ALP İ., İç nokta algoritmaları ve simpleks yöntemi ile zamansal karşılaştırma, Postgraduate, E.ESER(Student), 1999

ALP İ., Bulanık doğrusal programlama ile asgari üretim belirlenmesi, Postgraduate, Ö.FATİH(Student), 1998

ALP İ., Olabilirlik programlaması ve su kalite problemine uygulanması, Postgraduate, K.ERDOĞAN(Student), 1998

**Published journal articles indexed by SCI, SSCI, and AHCI**

- I. **STOCHASTIC FRONTIER MODELS BY COPULAS AND AN APPLICATION**  
Najjari V., BAL H., Ozturk F., ALP İ.  
UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS, vol.78, no.1, pp.31-41, 2016 (SCI-Expanded)
- II. **A new proposed model of restricted data envelopment analysis by correlation coefficients**  
MECİT E. D., ALP İ.  
APPLIED MATHEMATICAL MODELLING, vol.37, no.5, pp.3407-3425, 2013 (SCI-Expanded)
- III. **Efficiency assessment of the hydro-power plants in Turkey by using Data Envelopment Analysis**  
SÖZEN A., ALP İ., Kilinc C.  
RENEWABLE ENERGY, vol.46, pp.192-202, 2012 (SCI-Expanded)
- IV. **A NEW RESTRICTED MODEL USING CORRELATION COEFFICIENTS AS AN ALTERNATIVE TO CROSS-EFFICIENCY EVALUATION IN DATA ENVELOPMENT ANALYSIS**  
MECİT E. D., ALP İ.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.41, no.2, pp.321-335, 2012 (SCI-Expanded)
- V. **Total factor efficiency of Turkish state railways**  
SÖZEN A., ALP İ., Kurt B.  
ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART A-ENERGY SCIENCE AND RESEARCH, vol.29, no.1, pp.663-678, 2012 (SCI-Expanded)
- VI. **Assessment of operational and environmental performance of the thermal power plants in Turkey by using data envelopment analysis**  
SÖZEN A., ALP İ., Ozdemir A.  
ENERGY POLICY, vol.38, no.10, pp.6194-6203, 2010 (SCI-Expanded)
- VII. **Comparison of Turkey's performance of greenhouse gas emissions and local/regional pollutants with EU countries**  
SÖZEN A., ALP İ.  
ENERGY POLICY, vol.37, no.12, pp.5007-5018, 2009 (SCI-Expanded)

### Articles Published in Other Journals

- I. **OECD ve AB Üyesi Ülkelerin Karayolları Trafik Güvenliği Etkinliği Değişiminin Malmquist Toplam Faktör Verimliliği Endeksi ile Ölçülmesi**  
Arbaş S., ALP İ.  
Ekonomi İşletme Siyaset ve Uluslararası İlişkiler Dergisi, vol.7, no.2, pp.227-243, 2021 (Peer-Reviewed Journal)
- II. **DECOUPLING ANALYSIS OF ENVIRONMENTAL PRESSURES FROM ECONOMIC GROWTH IN THE EU-27 AND TURKEY**  
Bodur S., KÜPELİ M., ALP İ.  
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.39, no.1, pp.29-38, 2021 (ESCI)
- III. **Determination of the Efficiencies of Textile Firms Listed in Borsa Istanbul by Using DEA-Window Analysis**  
APAN M., ALP İ., ÖZTEL A.  
SOSYOEKONOMI, vol.27, no.42, pp.107-128, 2019 (ESCI)
- IV. **RENEWABLE ENERGY PERFORMANCE OF OECD COUNTRIES: A WINDOW ANALYSIS APPLICATION**  
KÜPELİ M., Bodur S., ALP İ.  
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.37, no.1, pp.305-318, 2019 (ESCI)
- V. **A New Robust Bootstrap Algorithm for the Assessment of Common Set of Weights in Performance Analysis**  
ALP İ., Ozsoy V. S.  
IRANIAN JOURNAL OF MANAGEMENT STUDIES, vol.12, no.2, pp.1-15, 2019 (ESCI)

- VI. **COMPARATIVE ANALYSIS OF FINANCIAL EFFICIENCIES WITH DATA ENVELOPMENT ANALYSIS (DEA) AND MULTI-ATTRIBUTE UTILITY THEORY (MAUT) METHODS**  
APAN M., ALP İ., ÖZTEL A.  
Abant İzzet Baysal Üniversitesi Sosyal Bilimler Enstitüsü Dergisi, vol.18, no.4, pp.115-140, 2018 (Peer-Reviewed Journal)
- VII. **Comparison of Solid Waste Management Performances of Turkey and EU countries associated with Malmquist Index**  
Tuzuner Z., ALP İ.  
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, vol.21, no.1, pp.75-81, 2018 (ESCI)
- VIII. **G20 ÜLKELERİNİN YENİLENEBİLİR ENERJİ ETKİNLİĞİNİN DENGELİ PERFORMANS AĞIRLIKLARI VE VERİ ZARFLAMA ANALİZİ İLE DEĞERLENDİRİLMESİ**  
KÜPELİ M., ALP İ.  
Uluslararası İktisadi ve İdari İncelemeler Dergisi, 2018 (Peer-Reviewed Journal)
- IX. **AN EVALUATION WITH WINDOW ANALYSIS TO DETERMINE THE ENVIRONMENTAL EFFICIENCIES OF THE COUNTRIES THAT POLLUTE THE WORLD**  
ALP İ., KÜPELİ M.  
Uluslararası İktisadi İdari Bilimler Dergisi, pp.855-870, 2018 (Peer-Reviewed Journal)
- X. **Two Stage Approach for the Performances of Teams in Football Using Data Envelopment Analysis**  
ALP İ., Özsoy V. S.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.30, no.3, pp.195-208, 2017 (ESCI)
- XI. **ANOTHER WAY TO DETERMINE WEIGHTS OF BALANCED PERFORMANCE EVALUATIONS**  
ALP İ.  
Dumlupınar Üniversitesi Sosyal Bilimler Dergisi, pp.152-161, 2016 (Peer-Reviewed Journal)
- XII. **Using Data Envelopment Analysis and Stochastic Frontier Analysis Methods to Evaluate Efficiency of Hydroelectricity Centers**  
KINACI H., Najjari V., ALP İ.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.29, no.1, pp.167-176, 2016 (ESCI)
- XIII. **ENTROPİ TABANLI MAUT YÖNTEMİ İLE KURUMSAL SÜRDÜRÜLEBİLİRLİK PERFORMANSI ÖLÇÜMÜ BİR VAKA ÇALIŞMASI**  
ALP İ., ÖZTEL A., KÖSE M. S.  
International Journal of Economic & Social Research, vol.11, no.2, pp.65-81, 2015 (Peer-Reviewed Journal)
- XIV. **A new constrained data envelopment analysis approach with correlation coefficients for balanced weight distribution**  
EMİNE DEMET M., ALP İ.  
DATA ENVELOPMENT ANALYSIS AND PERFORMANCE MEASUREMENT Proceedings of the 11th International Conference of DEA, 2013 (Peer-Reviewed Journal)
- XV. **Düzenli Hiyerarşik Karar Verme Birimlerinin Etkinlik Değerlendirmesi Üzerine Bir Monte Carlo Çalışması**  
ÖRKÜ H. H., ALP İ.  
Milli Produktivite Merkezi, Verimlilik Dergisi, vol.7, no.3, pp.41-56, 2007 (Peer-Reviewed Journal)
- XVI. **Performance Evaluation of Goalkeepers of the World Cup**  
ALP İ.  
G.U. Journal of Science, vol.19, no.2, pp.119-125, 2006 (Scopus)
- XVII. **AR(1) modeli için ayırım fonksiyonu: Normal ve normal olmayan dağılımlar üzerine bir simülasyon çalışması**  
KASAP R., ALP İ.  
Pamukkale Üniversitesi, Mühendislik Bilimleri Dergisi/Journal of Engineering Sciences, no.4, pp.739, 1998 (Peer-Reviewed Journal)

## Books & Book Chapters

### I. 5. Bölüm Momentler, Çarpıklık ve Basıklık

Gündüz N., Esin A., Gamgam H., Bayrak H., Alp İ., Balibeyoğlu J., Özdemir Y. A., Gönen S., Çelebioğlu S., Aydın C., et al. in: Schaum's Outlines Teori ve Problemlerle İstatistik, Alptekin Esin ve Salih Çelebioğlu, Editor, Nobel Yayın Dağıtım, Ankara, pp.311-344, 2003

## Refereed Congress / Symposium Publications in Proceedings

- I. **Evaluation of Social Progress Performance of European Union Countries and Turkey by Data Envelopment Analysis**  
KINACI E. B., BAL H., ALP İ.  
5th International Researchers, Statisticians and Young Statisticians Congress, 18 - 20 October 2019
- II. **EMISSION PERFORMANCE OF WORLD'S MOST POLLUTED COUNTRIES WITH A NEW ROBUST ALGORITHM**  
ALP İ.  
10th International Conference of Strategic Research on Scientific Studies and Education, 17 - 18 June 2019
- III. **NBA 2016 Sezonu Basketbol Takımların Veri Zarflama Analizi İle Performansının Değerlendirilmesi**  
ALP İ., ÖZSOY V. S.  
1. International Mersin Symposium, 1 - 03 November 2018
- IV. **RD Index of Countries Based on the RD Performance of the World Top 2500 Companies**  
ÖZSOY V. S., ALP İ.  
1. International Mersin Symposium, Mersin, Turkey, 1 - 03 October 2018, vol.4, pp.262-268
- V. **A New Way to Determine Common Set of Weights for Full Rank of Performance of Decision Making Units**  
ALP İ.  
7th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA), Kyiv, Ukraine, 28 - 31 August 2018, vol.2037
- VI. **Efficiency assessment of the World's most contaminated countries with malmquist index**  
ALP İ.  
3rd International congress on social and economic sciences, 15 November 2017 - 19 January 2018
- VII. **SOME PROBLEMS OF PERFORMANCE EVALUATION METHODS**  
ALP İ.  
International Conference on Computational and Statistical Methods in Applied Sciences (COSTAS 2017), 9 - 11 November 2017
- VIII. **ASSESSMENT OF RENEWABLE ENERGY PRODUCTION PERFORMANCES OF OECD COUNTRIES**  
ALP İ., KÜPELİ M., BODUR S.  
INTERNATIONAL CONGRESS OF HEALTH AND ENVIRONMENT, 23 - 25 October 2017
- IX. **Assessment of Renewable Energy Production Performances of OECD Countries**  
ALP İ., KÜPELİ M., BODUR S.  
International Congress of Health and Environment, 23 - 25 October 2017
- X. **Dünya Ülkelerinin Yenilenebilir Enerji Performansları Değerlendirmesi: Bir Window Analiz Uygulaması**  
ALP İ., BODUR S., KÜPELİ M.  
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), 25 - 27 October 2017
- XI. **TREND AND STABILITY OF EUROPEAN UNION COUNTRIES AND TURKEY'S WASTE MANAGEMENT PERFORMANCE**  
ALP İ., KÜPELİ M., BODUR S.  
INTERNATIONAL CONGRESS OF HEALTH AND ENVIRONMENT, 23 - 25 October 2017
- XII. **THE BALANCE OF CHANGES OF RENEWABLE ENERGY AGAINST GREENHOUSE GAS EMISSIONS IN THE**

## **MOST POLLUTING COUNTRIES: A MALMQUIST INDEX APPROACH**

Alp İ., K peli M., Bodur S.

INTERNATIONAL CONGRESS OF HEALTH AND ENVIRONMENT, Adana, Turkey, 23 - 25 October 2017

- XIII. **TREND AND STABILITY OF EUROPEAN UNION COUNTRIES AND TURKEY'S WASTE MANAGEMENT PERFORMANCE**  
ALP İ., K PELİ M., BODUR S.  
INTERNATIONAL CONGRESS OF HEALTH AND ENVIRONMENT, 23 - 25 October 2017
- XIV. **OECD  lkelerinin Yenilenebilir Enerji Performans Trendi ve Kararlılıđının İncelenmesi**  
ALP İ., K PELİ M., BODUR S.  
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), 25 - 27 October 2017
- XV. **T rkiye ve Avrupa Topluluđu  lkelerinin Veri Zarflama Analizi ile Emisyon Performansları Deđerlendirmesi**  
ALP İ., BODUR S., K PELİ M.  
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), 25 - 27 October 2017
- XVI. **T rkiye ve Avrupa Topluluđu  lkelerinin Veri Zarflama Analizi ile Emisyon Performans Deđerlendirmesi**  
ALP İ., BODUR S., K PELİ M.  
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), 25 - 27 October 2017
- XVII. **An Evaluation with Window Analysis to Determine The World's Most Contaminated Countries**  
ALP İ.  
EYİ 2017 XVIII. Uluslararası Ekonometri Y neylem Arařtırması ve İstatistik Sempozyumu, 5 - 07 October 2017
- XVIII. **G20  lkelerinin Yenilenebilir Enerji Etkinliđinin Dengeli Performans Ađırlıkları Yaklařımıyla Deđerlendirilmesi**  
K PELİ M., ALP İ.  
EYİ 2017 XVIII. Uluslararası Ekonometri Y neylem Arařtırması ve İstatistik Sempozyumu, 5 - 07 October 2017
- XIX. **A dynamic performance evaluation study on Turkish textile industry**  
ALP İ.  
IMSEC 2016, Adana, Turkey, 26 - 28 October 2016
- XX. **Dynamic Performance Evaluation of Most Polluter Countries of The World**  
Mecit E. D., ALP İ.  
The International Conference on Economics, Business Management and Social Sciences (ICEBSS), Saraybosna, Bosnia And Herzegovina, 4 - 09 October 2016
- XXI. **Veri Zarflama Analizi Ar Ge Uygulaması**  
K peli M., ALP İ.  
Xth International Statistics Days Conference (ISDC'2016), 4 - 09 October 2016
- XXII. **An Evaluation of Efficiencies for Turkey s Cities with Data Envelopment Analysis DEA in Terms of Cinemas A Super Efficiency Application**  
EMİNE MECİT D., ALP İ.  
13TH International Conference on Data Envelopment Analysis, 25 - 27 August 2015
- XXIII. **Avrupa Birliđi ve Aday  lkelerinin Ar-Ge Etkinliklerinin Veri Zarflama Analizi İle Belirlenmesi**  
K PELİ M., ALP İ.  
Y neylem Arařtırması ve End stri M hendisliđi (YAEM) 35. Ulusal Kongresi, Turkey, 9 - 11 September 2015
- XXIV. **A Monte Carlo Study on the Efficiency Evaluation for Fixed and Variable Sized Hierarchical Decision Making Units**  
ALP İ.  
13TH International Conference on Data Envelopment Analysis, 25 - 27 August 2015
- XXV. **T rkiye ile Avrupa Birliđi  lkelerinin Katı Atık Y netimi Performansının İncelenmesi**  
T Z NER Z., ALP İ.  
16. Uluslararası Ekonometri Y neylem Arařtırmaları ve İstatistik Sempozyumu, Edirne, Turkey, 7 - 12 May 2015
- XXVI. **The European Union Measurement of Environmental Performance**  
T Z NER Z., ALP İ.

## Supported Projects

Alp İ., Sözen A., Menlik T., Company, ELEKTRONİK ÖN ÖDEMELİ KARTLI DOĞALGAZ SAYAÇLARINDAKİ METROLOJİK DEĞERLER KULLANILARAK ANALİTİK METODLARLA SAYAÇLARIN ÖLÇME HASSASİYETLERİ VE ÖMÜRLERİ HAKKINDA DURUM TESPİT PROJESİ, 2016 - 2016

ALP İ., Project Supported by Other Private Institutions, Konutlarda ve sanayide kullanılan doğal gaz sayaçlarındaki Metrolojik değerleri kullanılarak Türkiye doğal gaz dağıtım şebekesinin teknik kaybının değerlendirilmesi, 2016 - 2016

## Metrics

Publication: 56

Citation (WoS): 208

Citation (Scopus): 220

H-Index (WoS): 5

H-Index (Scopus): 5