# Prof. Gülser Köksal

## Personal Information

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ORCID: 0000-0001-7968-8992
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ScopusID: 7003488290
Yoksis Researcher ID: 5413

## Education Information

Doctorate, North Carolina State University, Faculty of Engineering, Dept. of Industrial and Systems Engineering, United States Of America 1987 - 1992
Postgraduate, Middle East Technical University, Faculty of Engineering, Department of Industrial Engineering, Turkey 1985 - 1987
Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Industrial Engineering, Turkey 1980 - 1985

## Foreign Languages

English, C1 Advanced

## Dissertations

Doctorate, Robust Design of Batch Dyeing Process, North Carolina State University, Endüstri Mühendisliği, 1992

## Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Engineering, Department of Industrial Engineering, 1993 - Continues

## Academic and Administrative Experience

Vice Rector, Middle East Technical University, Presidency Office, 2017 - 2019
Middle East Technical University, Presidency Office, 2016 - 2017

## Courses

Design and Analysis of Experiments, Postgraduate, 2022 - 2023, 2021 - 2022, 2019 - 2020
Systems Design II, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Total Quality Management, Postgraduate, 2022 - 2023, 2021 - 2022
Off-line Quality Control, Undergraduate, 2020 - 2021
Strategic Planning, Postgraduate, 2020 - 2021
Quality Engineering, Postgraduate, 2019 - 2020
TOPICS IN TECHNOLOGY AND INNOVATION MANAGEMENT, Doctorate, 2018 - 2019

## Advising Theses

Köksal G., Erişkin L., A similarity based oversampling method for multi-label imbalanced text data, Postgraduate, İ.HAKKI(Student), 2022

Köksal G., Dolgun L. E., A new method for parameter design optimization of products or processes with an ordinal categorical response, Postgraduate, P.ERDOĞAN(Student), 2022

Köksal G., A method for monitoring quality in long run product development projects, Postgraduate, G.ÖZDEN(Student), 2019

KÖKSAL G., Product-line planning under uncertainty, Doctorate, Ş.KARAKAYA(Student), 2018

KÖKSAL G., Robust parameter design of products and processes with an ordinal categorical response using random forests, Postgraduate, S.GÜLBUDAK(Student), 2018

KÖKSAL G., An approach for determining process economy parameters of multivariate loss functions, Postgraduate, G.ÖZKAN(Student), 2016

KÖKSAL G., An effective approach for comparison of association rule mining algorithms based on controlled data, statistical inference and multiple criteria, Postgraduate, S.AZADİAMİN(Student), 2016

KÖKSAL G., An approach for quality control chart appropriateness evaluation based on desirability functions, Postgraduate, S.TUNÇ(Student), 2016

KÖKSAL G., An experimental comparison of linear regression methods used in multi-response design parameter optimization for their estimation and prediction errors, Postgraduate, G.GÖKAYAZ(Student), 2016

KÖKSAL G., Interactive and nonparametric modeling of preferences on an ordinal scale using small data, Doctorate, L.ERİŞKİN(Student), 2015

KÖKSAL G., An interactive approach to two-response product and process design optimization with statistical inferences, Postgraduate, M.ÖZATEŞ(Student), 2015

Köksal G., Burnak N., Tercihsel bağımlılık altında alternatifler için aralık ölçeğinde tercih puanlarının belirlenmesi: Kalite karakteristikleri için detaylı analiz, Doctorate, L.ESRA(Student), 2014

KÖKSAL G., A business process performance measure definition system supported by information technologies, Postgraduate, N.ALPAY(Student), 2013

WASTİ PAMUKSUZ S. N., KÖKSAL G., Product mix determination under uncertainty within a framework proposed for effective product management, Doctorate, N.NİLGÜN(Student), 2013

KÖKSAL G., Comparison of methods for robust parameter design of products and processes with an ordered categorical response, Postgraduate, G.KARABULUT(Student), 2013

KÖKSAL G., Structural equation modeling of customer satisfaction and loyalty for residential air conditioners, Doctorate, A.ALTABAN(Student), 2013

KÖKSAL G., New approaches to desirability functions by nonsmooth and nonlinear optimization, Doctorate, B.AKTEKE(Student), 2010

KÖKSAL G., An improved organization method for association rules and a basis for comparison of methods, Postgraduate, M.JABARNEJAD(Student), 2010

KÖKSAL G., Fuzzy classification models based on tanaka's fuzzy linear regression approach and nonparametric improved fuzzy classifier functions, Postgraduate, G.Özer(Student), 2009

KÖKSAL G., Multi-class classification methods utilizing Mahalanobis Taguchi system and a re-sampling approach for imbalanced data sets, Postgraduate, D.AYHAN(Student), 2009

KARASAKAL E., KÖKSAL G., A comparison of data mining methods for prediction and classification types of quality problems, Postgraduate, Z.ANAKLI(Student), 2009

KÖKSAL G., Robust design with binary response using Mahalanobis Taguchi system, Postgraduate,

B.YENİDÜNYA(Student), 2009

KÖKSAL G., A comparison of some robust regression techniques, Postgraduate, E.AVCI(Student), 2009

KÖKSAL G., Fuzzy regression modeling of defect rates in a metal casting process, Postgraduate, T.KILIÇ(Student), 2009

KÖKSAL G., Monitoring high quality processes: A study of estimation errors on the time-between-events exponentially weighted moving average schemes, Postgraduate, G.ÖZSAN(Student), 2008

KÖKSAL G., Controlling high quality manufacturing processes: A robustness study of the lower-sided TBE EWMA procedure, Postgraduate, C.PEHLİVAN(Student), 2008

KÖKSAL G., Modeling and analysis of customer requirements from a driver's seat, Postgraduate, V.ÇABUK(Student), 2008

KÖKSAL G., Modeling monthly electricity demand in Turkey for 1990-2006, Postgraduate, D.KÜÇÜKBAHAR(Student), 2008

BATMAZ İ., KÖKSAL G., A comprehensive review of data mining applications in quality improvement and a case study, Postgraduate, F.GÜNTÜRKÜN(Student), 2007

KÖKSAL G., A decision matrix based method for determining priorities of quality improvement projects in manufacturing with inspection error and rework, Postgraduate, L.ESRA(Student), 2006

KÖKSAL G., A linear programming approach to quality improvement project and product mix selection under inspection error and rework, Postgraduate, N.ŞARBAK(Student), 2006

KÖKSAL G., A linear programming approach to quaity improvement project and product mix selection under inspection error and rework, Postgraduate, N.Şarbak(Student), 2006

KÖKSAL G., İLK DAĞ Ö., A method for robust design of products or processes with categorical response, Postgraduate, S.ERDURAL(Student), 2006

KÖKSAL G., An evaluation of the reinsepction decision policies for software code inspections, Postgraduate, S.Nalbant(Student), 2005

KÖKSAL G., Integration of supplier process : supplier segmentation, supplier selection and order allocation in a case company, Postgraduate, Y.Özalp(Student), 2005

KÖKSAL G., Integration of supplier processes: Supplier segmentation, supplier selection and order allocation in a case company, Postgraduate, Y.ÖZALP(Student), 2005

KÖKSAL G., An evaluation of the reinspection decision policies for software code inspections, Postgraduate, S.NALBANT(Student), 2005

KÖKSAL G., The Effects of inspection error and rework on quality loss for a nominal-the-best type quality characteristic, Postgraduate, A.Taşeli(Student), 2004

KÖKSAL G., The effects of inspection error and rework on quality loss for a nominal the best type quality characteristic, Postgraduate, A.TAŞELİ(Student), 2004

KÖKSAL G., Robust design of lithium extraction from boron clays by using statistical design and analysis of experiments, Postgraduate, A.BÜYÜKBURÇ(Student), 2003

KÖKSAL G., An integrated QFD approach to determine quality improvement priorities in manufacturing, Postgraduate, B.MERTOĞLU(Student), 2003

KÖKSAL G., Robust design of lithium extraction from boron clays by statistical design and analysis of experiments, Postgraduate, A.Büyükburç(Student), 2003

KÖKSAL G., Customer relationship management system design for METU-Online, Postgraduate, F.ÇETİN(Student), 2003

KÖKSAL G., Development and application of control charts for an aircraft wing tip point production process, Postgraduate, G.ŞAHİNSEV(Student), 2002

KÖKSAL G., A Study on number of samples needed for application of EWMAST and ARMA charts in monitoring autocorrelated processes, Postgraduate, B.KANTAR(Student), 2002

KÖKSAL G., A study on number of samples needed for application of ewmast and arma charts in monitoring autocorrelated processes /, Postgraduate, B.Kantar(Student), 2002

KÖKSAL G., Development and aplication of control charts for an aircraft wing tıp part production process., Postgraduate, G.Şahinsev(Student), 2002

KÖKSAL G., A Modified theory of constraints approach to determine quality improvement priorites in manufacturing, Postgraduate, U.KAAN(Student), 2001

KÖKSAL G., Development and application of Q-charts for multivariate statistical process control, Postgraduate,

O.IŞIK(Student), 2001

KÖKSAL G., A Model and its application for efficiency measurement of departments within an engineering faculty, Postgraduate, B.NALÇACI(Student), 2001

KÖKSAL G., A modified theory of constraints approach to determine quality improvement priorities in manufacturing, Postgraduate, U.Kaan(Student), 2001

KÖKSAL G., A Study of the student placement system for the higher education institutions in Turkey, Postgraduate, Ö.YAZLALI(Student), 2001

KÖKSAL G., An Expert system for quality control charts selection, Postgraduate, N.MALAK(Student), 1999

ÖZDEMİREL N. E., KÖKSAL G., A Conceptual model for quality information system and a policy deployment framework for a hospital, Postgraduate, E.Tümgüç(Student), 1997

KÖKSAL G., Quality information system design for performance appraisal of a self-directed team in a private hospital, Postgraduate, E.ELMASYAZAR(Student), 1997

KÖKSAL G., A model for performance measurement of total quality teams and an application in a private hospital., Postgraduate, M.Cem(Student), 1997

KÖKSAL G., Analysis of industrial engineering education stakeholder requirements and their deployment to main education design requirements., Postgraduate, A.EĞİTMAN(Student), 1997

KÖKSAL G., A Method for finding final weights of customer requirements in quality function deployment, Postgraduate, Ö.AYLİN(Student), 1996

KÖKSAL G., Noise simulation through design of experiments in a noisy laboratory, Postgraduate, T.GÜLERYÜZ(Student), 1995

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

I.  **Product-line planning under uncertainty**
    Karakaya Ş., Köksal G.
    Computers and Operations Research, vol.138, 2022 (SCI-Expanded)

II. **A method for robust design of products or processes with categorical response**
    Erişkin L., Dolgun L. E., KÖKSAL G.
    Quality Engineering, vol.33, no.3, pp.474-486, 2021 (SCI-Expanded)

III. **Generalized desirability functions: a structural and topological analysis of desirability functions**
    Akteke-Öztürk B., Weber G., Köksal G.
    Optimization, vol.69, pp.115-130, 2020 (SCI-Expanded)

IV. **AN APPROACH FOR DETERMINING THE COST MATRIX OF MULTIVARIATE QUALITY LOSS FUNCTION**
    Dolgun L. E., Eriskin L., Ozkan G., KÖKSAL G.
    INTERNATIONAL JOURNAL OF INDUSTRIAL ENGINEERING-THEORY APPLICATIONS AND PRACTICE, vol.27, no.6, pp.879-905, 2020 (SCI-Expanded)

V.  **Nonconvex optimization of desirability functions**
    Akteke-Ozturk B., Köksal G., Weber G. W.
    QUALITY ENGINEERING, vol.30, pp.293-310, 2018 (SCI-Expanded)

VI. **Effective use of quality function deployment and Kansei engineering for product planning with sensory customer requirements: A plain yogurt case**
    Dolgun L. E., Koksal G.
    QUALITY ENGINEERING, vol.30, pp.569-582, 2018 (SCI-Expanded)

VII. **Optimization of generalized desirability functions under model uncertainty**
    Akteke-Ozturk B., Weber G., Köksal G.
    OPTIMIZATION, vol.66, pp.2157-2169, 2017 (SCI-Expanded)

VIII. **Interactive and nonparametric modeling of preferences on an ordinal scale using small data**
    Erişkin L., Köksal G.
    EXPERT SYSTEMS WITH APPLICATIONS, vol.65, pp.345-360, 2016 (SCI-Expanded)

IX. **The effect of inspection error on quality and producer losses: the case of nominal-the-best type**

quality characteristic and rework

Koksal G., Taseli A., Dolgun L. E., Batmaz İ.

EUROPEAN JOURNAL OF INDUSTRIAL ENGINEERING, vol.7, pp.497-528, 2013 (SCI-Expanded)

X. **CMARS: a new contribution to nonparametric regression with multivariate adaptive regression splines supported by continuous optimization**

Weber G., Batmaz I., Köksal G., Taylan P., Yerlikaya-Ozkurt F.

INVERSE PROBLEMS IN SCIENCE AND ENGINEERING, vol.20, pp.371-400, 2012 (SCI-Expanded)

XI. **A review of data mining applications for quality improvement in manufacturing industry**

Köksal G., Batmaz İ., Testik M. C.

EXPERT SYSTEMS WITH APPLICATIONS, vol.38, pp.13448-13467, 2011 (SCI-Expanded)

XII. **Classification models based on Tanaka's fuzzy linear regression approach: The case of customer satisfaction modeling**

ŞİKKELİ G., KÖKSAL G., BATMAZ İ., TÜRKER BAYRAK Ö.

Journal of Intelligent and Fuzzy Systems, vol.21, no.5, pp.341-351, 2010 (SCI-Expanded)

XIII. **Determination of optimal product styles by ordinal logistic regression versus conjoint analysis for kitchen faucets**

Demirtas E. A., ANAGÜN A. S., KÖKSAL G.

INTERNATIONAL JOURNAL OF INDUSTRIAL ERGONOMICS, vol.39, no.5, pp.866-875, 2009 (SCI-Expanded)

XIV. **The effect of Phase I sample size on the run length performance of control charts for autocorrelated data**

Köksal G., Kantar B., Ula T. A., Testik M. C.

JOURNAL OF APPLIED STATISTICS, vol.35, pp.67-87, 2008 (SCI-Expanded)

XV. **Extraction of lithium from boron clays by using natural and waste materials and statistical modelling to achieve cost reduction**

Buyukburc A., Marasliolglu D., Bilici M., Koksal G.

MINERALS ENGINEERING, vol.19, pp.515-517, 2006 (SCI-Expanded)

XVI. **The relative efficiency of departments at a Turkish engineering college: A data envelopment analysis**

Koksal G., Nalcaci B.

HIGHER EDUCATION, vol.51, no.2, pp.173-189, 2006 (SSCI)

XVII. **An attempt to minimize the cost of extracting lithium from boron clays through robust process design**

Buyukburc A., Koksal G.

CLAYS AND CLAY MINERALS, vol.53, no.3, pp.301-309, 2005 (SCI-Expanded)

XVIII. **A team performance measurement model for continuous improvement**

Cicek M., Koksal G., Ozdemirel N.

TOTAL QUALITY MANAGEMENT & BUSINESS EXCELLENCE, vol.16, no.3, pp.331-349, 2005 (SSCI)

XIX. **Selecting quality improvement projects and product mix together in manufacturing: an improvement of a theory of constraints-based approach by incorporating quality loss**

Koksal G.

INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, vol.42, no.23, pp.5009-5029, 2004 (SCI-Expanded)

XX. **An academic performance measurement system and its impact on quality of engineering faculty work at middle east technical university**

Üçtuğ Y., KÖKSAL G.

Assessment and Evaluation in Higher Education, vol.28, no.3, pp.251-262, 2003 (SCI-Expanded)

XXI. **Statistical tolerancing using designed experiments in a noisy environment**

Koksal G., Fathi Y.

COMPUTERS & INDUSTRIAL ENGINEERING, vol.44, pp.515-526, 2003 (SCI-Expanded)

XXII. **Planning and design of industrial engineering education quality**

Koksal G., Egitman A.

COMPUTERS & INDUSTRIAL ENGINEERING, vol.35, pp.639-642, 1998 (SCI-Expanded)

XXIII. **Design of economical noise array experiments for a partially controlled simulation environment**

Koksal G., Fathi Y.

COMPUTERS & INDUSTRIAL ENGINEERING, vol.35, pp.555-558, 1998 (SCI-Expanded)

XXIV. **A case study in off-line quality control: characterization and optimization of batch dyeing process design**

Koksal G., Smith W., Fathi Y., Lu J., McGregor R.

INTERNATIONAL JOURNAL OF TECHNOLOGY MANAGEMENT, vol.16, pp.358-382, 1998 (SCI-Expanded)

XXV. **Computer-aided planning and design of manufacturing simulation experiments**

Ozdemirel N., Yurttas G., Koksal G.

SIMULATION, vol.67, no.3, pp.171-191, 1996 (SCI-Expanded)

XXVI. **A system analysis of textile operations**

Koksal G., Smith W., Smith C.

Textile Chemist and Colorist, vol.24, no.10, 1992 (SCI-Expanded)

## Articles Published in Other Journals

I. **Dijital dönüşüm mühendisliği nasıl dönüştürüyor?**

KÖKSAL G.

İktisat ve Toplum Dergisi, vol.11, no.126, pp.59-61, 2021 (Peer-Reviewed Journal)

II. **Representing preferences by choquet integral: Guidelines to specify the capacity type**

Dolgun L. E., Burnak N., Köksal G.

Decision Science Letters, vol.9, pp.387-408, 2020 (ESCI)

III. **A New Approach For Healthcare Service Quality By Servqual Based House Of Quality**

Aktar Demirtaş E., Köksal G.

Verimlilik Dergisi, vol.2, pp.29-52, 2018 (Peer-Reviewed Journal)

IV. **Ev klimalarında müşteri memnuniyet ve marka sadakatini etkileyen faktörler**

Altaban A., Köksal G.

Tesisat, no.238, pp.56-58, 2015 (Peer-Reviewed Journal)

V. **Rüzgâr Gücü Üretimi için Tahmin ve Teklif Sistemi Tasarımı**

Aksoy S. A., Eryiğit E., Hashimova N., İşbilir M., Avşar Z. M., Köksal G., Terciyanlı E.

Endüstri Mühendisliği Dergisi, vol.24, no.3, pp.4-15, 2013 (Peer-Reviewed Journal)

VI. **Türkiye İklim Bölgelerinin Hiyerarşik Kümeleme Yöntemi ile Belirlenmesi**

Kartal E., İyigün C., Fahmi M. F., Yozgatlıgil C., Purutçuoğlu Gazi V., Batmaz İ., Köksal G., Turkes M.

İSTATİSTİK ARAŞTIRMA DERGİSİ, vol.8, pp.13-25, 2011 (Peer-Reviewed Journal)

VII. **Investment Planning in Base Stations**

Kaya O., Kendirci S., Kılcıoğlu Ç., Okay B., Özüretmen C., İyigün C., Kayalıgil S., Köksal G.

Endüstri Mühendisliği, vol.21, no.3, pp.2-24, 2010 (Peer-Reviewed Journal)

VIII. **The usage of data mining techniques for quality improvement in manufacturing industry**

Köksal G., Batmaz İ., Testik M. C., Güntürkün F.

Verimlilik Dergisi, vol.2010, no.2, pp.47-65, 2010 (Peer-Reviewed Journal)

IX. **Application of Robust Design on Airplane Floor Beam**

Çelik A., Güneş T., Kayhan M., Tanbaşı U., Köksal G., Özdemirel N. E.

Endüstri Mühendisliği, vol.12, no.3, pp.18-31, 2001 (Peer-Reviewed Journal)

## Books & Book Chapters

I. **Vision and Strategic Planning of University Governance: The Case of Middle East Technical University**

KÖKSAL G., İlkuçan A.

in: University Governance and Academic Leadership in the EU and China, C. Zhu, M. Zayim Kutay, Editor, IGI Global,

Pennsylvania, pp.164-182, 2019

II. **Determining the Climate Zones of Turkey by Center-Based Clustering Methods**
Fahmi F., Kartal E., Iyigün C., Turkes M., Batmaz I., Yozgatligil C., Purutçuoğlu Gazi V., Köksal G.
in: Nonlinear and Complex Dynamics: Applications in Physical Biological and Financial Systems, J.A. Tenreiro
Machado,Baleanu,D. and A. Luo, Editor, Springer, London/Berlin , London, pp.171-178, 2011


# Refereed Congress / Symposium Publications in Proceedings

I. **Multivariate quality loss function cost parameter estimation**
Köksal G., Erişkin L., Dolgun L. E.
The 22nd Conference of the International Federation of Operational Research Societies, Seoul, South Korea, 23 -
27 August 2021, pp.29-30

II. **A new method for design parameter optimization with a categorical response**
Erdoğan P., Köksal G., Dolgun L. E.
40. Yöneylem Araştırması ve Endüstri Mühendisliği Kongresi, İstanbul, Turkey, 4 - 07 July 2021, pp.75

III. **An Approach for Monitoring of Long-Run Product Development Projects for Quality**
Dolgun L. E., Köksal G.
4th International Conference of Quality Engineering and Management, Braga, Portugal, 21 - 22 September 2020

IV. **Interactive Two Response Design Parameter Optimization Considering Prediction Errors and the
Specification Region**
Özateş Gürbüz M., Köksal G., Köksalan M.
INFORMS Annual Meeting, Washington, United States Of America, 20 - 23 October 2019, pp.113

V. **Gürbüz Ürün Tasarımında Model Parametre Belirsizliği Altında Bir Aday Çözümün Değerlendirilmesi**
Özateş Gürbüz M., Köksal G., Köksalan M.
39. Yöneylem Araştırması ve Endüstri Mühendisliği Ulusal Kongresi, Ankara, Turkey, 12 - 14 June 2019, pp.69-70

VI. **Hoshin Kanri Approach for Strategic Planning, Deployment and Evaluation in Universities**
Köksal G., İlkuçan A.
2018 International Conference on Quality in Higher Education, İstanbul, Turkey, 5 - 07 December 2018, pp.331

VII. **Product Line Planning Under Uncertainty**
Karakaya Ş., Köksal G.
2018 INFORMS Annual Meeting, Arizona, United States Of America, 4 - 07 November 2018, pp.408

VIII. **Robustness and Prediction Error in Multi Response Parameter Design Optimization**
Özateş Gürbüz M., Köksal G., Köksalan M. M.
2018 INFORMS Annual Meeting, Arizona, United States Of America, 4 - 07 November 2018, pp.241

IX. **Parameter Design Optimization of Products with an Ordinal Categorical Response Using Random
Forests**
Köksal G., Gülbudak Dil S.
2018 INFORMS Annual Meeting, Arizona, United States Of America, 4 - 07 November 2018, pp.370

X. **A Plain Yogurt Case Study: Extending House of Quality for Sensory Customer Requirements**
Dolgun L. E., Köksal G.
The 24th International Symposium on Quality Function Deployment, Kowloon, Hong Kong, 6 - 07 September 2018,
no.1889477281, pp.21-33

XI. **Interactive multi response surface optimization under uncertainty for robust parameter design**
Özateş Gürbüz M., Köksal G., Köksalan M. M.
29th European Conference on Operational Research, Valencia, Spain, 8 - 11 July 2018, pp.294

XII. **Kalite Fonksiyon Göçerimi ve Yenilikçi Ürün Geliştirme Yöntemleri ile Yeni Nesil Füze Sistem
Gereksinimlerinin Belirlenmesi**
Çiçek B. C., Akgöz Bingöl A., Köksal G.
9. Savunma Teknolojileri Kongresi - SAVTEK 2018, Ankara, Turkey, 27 - 29 June 2018, pp.1129-1138

XIII. **Regresyon Model Parametrelerinin Belirsizliği Altında Tasarım Optimizasyonu için Etkileşimli Bir**

Yaklaşım

Özateş Gürbüz M., Köksal G., Köksalan M. M.

38. Ulusal Yöneylem Araştırması ve Endüstri Mühendisliği Kongresi, Eskişehir, Turkey, 26 - 29 June 2018, pp.68

XIV. **Vision and Strategic Planning of University Governance**

KÖKSAL G.

LEAD EU-China ACADEMIC LEADERSHIP FORUM WORKSHOP, Shanghai, China, 13 - 14 November 2017

XV. **An Interactive Approach for Product and Process Design Parameter Optimization under Model Uncertainty**

ÖZATEŞ M., KÖKSAL G., KÖKSALAN M. M.

INFORMS Annual Meeting 2017, 22 - 25 October 2017

XVI. **Utilization of Statistical Approaches for Comparing Association Rule Mining Algorithms**

Azadiamin S., KÖKSAL G.

INFORMS Annual Meeting 2017, 22 - 25 October 2017

XVII. **SWOT analysis of HE institutions in the global new contexts**

KÖKSAL G.

LEAD EU-China ACADEMIC LEADERSHIP WORKSHOP, Wuhan, China, 10 November - 11 October 2017

XVIII. **An Interactive Approach for Product and Process Design Parameter Optimization under Model Uncertainty**

ÖZATEŞ M., KÖKSAL G., KÖKSALAN M. M.

24th International Conference on MCDM, 10 - 14 July 2017

XIX. **Ürün ve Süreç Tasarım Parametre Optimizasyonu için Model Belirsizliği altında Etkileşimli bir Yaklaşım**

ÖZATEŞ M., KÖKSAL G., KÖKSALAN M. M.

37. Yöneylem Araştırması ve Endüstri Mühendisliği Kongresi, Turkey, 5 - 07 July 2017

XX. **A Comparison Method For Association Rule Mining Algorithms**

AZADIAMIN S., KÖKSAL G.

INFORMS Annual Meeting 2016, 15 November 2016

XXI. **Product Planning With Sensory Customer Requirements A Plain Yogurt Case**

DOLGUN L. E., KÖKSAL G.

INFORMS Annual Meeting 2016, 15 November 2016

XXII. **An Interactive Approach To Design Parameter Optimization Considering Response Surface Prediction Errors**

ÖZATEŞ M., KÖKSAL G., KÖKSALAN M. M.

INFORMS Annual Meeting 2016, 15 November 2016

XXIII. **İki Yanıtlı Problemler için Model Parametre Belirsizliği Altında Etkileşimli Robust Ürün Tasarımı**

ÖZATEŞ M., KÖKSAL G., KÖKSALAN M. M.

36. Yöneylem Araştırması ve Endüstri Mühendisliği Ulusal Kongresi, Turkey, 13 - 15 July 2016

XXIV. **A guideline for choosing parameters of multivariate loss functions**

KÖKSAL G., Özkan G.

28th European Conference on Operational Research, 3 - 06 July 2016

XXV. **Response Surface Modeling Approaches for Multi response Design Parameter Optimization Problems**

GÖGAYAZ G., KÖKSAL G.

Informs Annual Meeting, 1 - 04 November 2015

XXVI. **Interactive Mean variance covariance Optimization for Two Responses**

ÖZATEŞ M., KÖKSAL G., KÖKSALAN M. M.

Informs Annual Meeting, 1 - 04 November 2015

XXVII. **A control chart recommendation system**

TUNÇ S., KÖKSAL G.

Informs Annual Meeting, 1 - 03 November 2015

XXVIII. **Estimating Non additive Value Functions With Active Learning In The Ordinal Classification Setting**

Erişkin L., Köksal G.

Informs Annual Meeting, Pennsylvania, United States Of America, 1 - 04 November 2015

XXIX. **Ürün ve Süreç Tasarım Parametre Optimizasyonu**
KÖKSAL G.
35. Yöneylem Araştırması ve Endüstri Mühendisliği Ulusal Kongresi, Turkey, 9 - 11 September 2015

XXX. **An Interactive Approach for Two Response Product and Process Design Parameter Optimization**
ÖZATEŞ M., KÖKSAL G., KÖKSALAN M. M.
MCDM 2015: 23rd International Conference on Multiple Criteria Decision Making, 3 - 07 August 2015

XXXI. **Desirability Functions in Multiresponse Optimization**
ÖZTÜRK B., Weber G., KÖKSAL G.
30th Euro Mini-Conference on Optimization in the Natural Sciences (EmC-ONS), Aveiro, Portugal, 5 - 09 February 2014, vol.499, pp.129-146

XXXII. **A preference based multi response decision tree approach for quality improvement in manufacturing**
Dolgun L. E., Ipekçi A. I., Köksal G.
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XXXIII. **1950 2006 Yılları Arasrndaki Türkiye Yağış Verilerinin Tanımlayıcı Veri Madenciliği Yöntemleri ile Analizi**
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Geliştirilmesi, 2014 - 2014

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Stakeholders, 2013 - 2013

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İçin Müşteri Bağlılığının Modellenmesi, 2012 - 2013

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## Metrics

Publication: 81
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Citation (Scopus): 882
H-Index (WoS): 11
H-Index (Scopus): 12

## Congress and Symposium Activities

LEAD2 Workshops, Invited Speaker, Beijing, China, 2019
Ulusal Sempozyum: Üniversitelerde İngilizcenin Eğitim Dili Olarak Kullanımına Bütüncül Bir Yaklaşım, Panelists, Ankara, Turkey, 2019
LEAD2 Project Kick-off Meeting and Workshops, Invited Speaker, Brussels, Belgium, 2019
LEAD Project Final Conference, Panelists, Brussels, Belgium, 2018

## Non Academic Experience

METU
Company, ODTÜ Development Foundation Information Technologies Inc.
METU
METU
S.P.A.C., METU Technopolis
METU
METU
North Carolina State University
METU
METU SİBAREN