

Prof. Gülgün Kayakutlu

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: E-1168-2014

ScopusID: 15765186400

Yoksis Researcher ID: 150092

Education Information

Doctorate, Marmara University, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, Turkey 2001 - 2004

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Yöneylem Araştırması (YI) (Tezli), Turkey 1976 - 1980

Undergraduate, Middle East Technical University, Faculty Of Engineering, Department Of Industrial Engineering, Turkey 1972 - 1976

Foreign Languages

French

English

Dissertations

Doctorate, A model for the measurement and improvement of intellectual capital in the energy sector: Sample application in electricity distribution company, Marmara Üniversitesi, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği, 2004

Postgraduate, Performance studies on the RAP database machine, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği, 1980

Research Areas

Technical Sciences, Industrial Engineering , Optimization Theory and Methods, Heuristic Methods

Academic Titles / Tasks

Associate Professor, Istanbul Technical University, İşletme Fakültesi, Endüstri Mühendisliği Bölümü, 2011 - Continues

Assistant Professor, Istanbul Technical University, İşletme Fakültesi, Endüstri Mühendisliği Bölümü, 2007 - Continues

Assistant Professor, Southern Illinois University Edwardsville, Mühendislik, Endüstri Ve İmalat Mühendisliği, 2008 - 2009

Lecturer PhD, Istanbul Technical University, İşletme Fakültesi, Endüstri Mühendisliği Bölümü, 2005 - 2007

Assistant Professor, Istanbul Commerce University, Faculty Of Engineering And Design, Department Of Industrial

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Review and clustering of optimal energy management problem studies for industrial microgrids**
BEKTAŞ Z., KAYAKUTLU G.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.45, no.1, pp.103-117, 2021 (SCI-Expanded)
- II. **Multi-objective particle swarm optimization with random immigrants**
Unal A. N., KAYAKUTLU G.
COMPLEX & INTELLIGENT SYSTEMS, vol.6, no.3, pp.635-650, 2020 (SCI-Expanded)
- III. **Economic model for an electric vehicle charging station with vehicle-to-grid functionality**
Mercan M. C., KAYALICA M. Ö., KAYAKUTLU G., ERCAN S.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.44, no.8, pp.6697-6708, 2020 (SCI-Expanded)

Articles Published in Other Journals

- I. **A hybrid heuristic algorithm for optimal energy scheduling of grid-connected micro grids**
Bektaş Z., Kayalica M. Ö., Kayakutlu G.
ENERGY SYSTEMS-OPTIMIZATION MODELING SIMULATION AND ECONOMIC ASPECTS, vol.12, no.4, pp.877-893, 2021 (ESCI)
- II. **Electricity consumption analysis based on Turkish Household Budget Surveys**
Kayalica M. Ö., Ozozen A., Güven D., Kayakutlu G., Bayar A. A.
Energy, Ecology and Environment, vol.5, no.6, pp.444-455, 2020 (ESCI)
- III. **Risk Analysis in Renewable Energy System (RES) Investment for a Developing Country: A Case Study in Pakistan**
Gül İ. A., Kayakutlu G., Kayalica M. Ö.
Arthaniti: Journal of Economic Theory and Practice, vol.19, no.2, pp.204-223, 2020 (Peer-Reviewed Journal)
- IV. **An analysis of the natural gas pricing in natural gas hubs: an evaluation for Turkey**
Nalbant H., Kayalica M. Ö., Kayakutlu G., Kaya G.
ENERGY SYSTEMS-OPTIMIZATION MODELING SIMULATION AND ECONOMIC ASPECTS, 2020 (ESCI)
- V. **CO2 emissions analysis for East European countries: the role of underlying emission trend**
Güven D., Kayalica M. Ö., Kayakutlu G.
Environmental Economics, vol.11, no.1, pp.67-81, 2020 (Scopus)

Books & Book Chapters

- I. **AI Classification in Collaboration for Innovation of Electric Motors of Household Appliances**
Fırat A., KAYAKUTLU G.
in: Artificial Intelligence for Knowledge Management, Mercier-Laurent, Eunika, Editor, Springer, pp.107-123, 2020

Refereed Congress / Symposium Publications in Proceedings

- I. **Fuzzy evaluation of on the job training alternatives in industrial companies**
Kayakutlu G., BÜYÜKÖZKAN FEYZİOĞLU G., Metin B. C., Ercan S.
7th International Conference on Fuzzy Logic and Intelligent Technologies in Nuclear Science, Genoa, Italy, 29 - 31 August 2006, pp.383-384

Supported Projects

Kayakutlu G., Project Supported by Higher Education Institutions, Öz enerji üretiminde stokastik çizelgeleme: Organize sanayi bölgesi için model ve uygulama, 2014 - 2021

Kayakutlu G., Project Supported by Higher Education Institutions, Risk içeren işbirliği yenileşim gücünün değerlendirilmesi için bir ortak zeka modeli, 2011 - 2021

Kayalica M. Ö., Kayakutlu G., Tinç H. K., Bayar A. A., ÖZÖZEN A., Project Supported by Higher Education Institutions, Hanehalkına Dayalı Elektrik Tüketim Tahmini (HADET), 2018 - 2019

Kayakutlu G., Kayalica M. Ö., Güven D., AB IPA Project, Climate Change Adaptation and Mitigation Game for a Metropolis (CAMAPOLI), 2017 - 2018

Kayakutlu G., Project Supported by Higher Education Institutions, DOĞAL GAZ TİCARETİNDE SÖZLEŞME OPTİMİZASYONU, 2015 - 2018

Kayakutlu G., Project Supported by Higher Education Institutions, Yenilikçi KOBİ İşbirliğinde Akıllı İlişki Kuralları, 2014 - 2018

Kayakutlu G., Project Supported by Higher Education Institutions, Zeki Sistem Kullanan Sevvkiyat Planı, 2012 - 2018

Kayakutlu G., Project Supported by Higher Education Institutions, Animal Food Chain Based Particle Swarm Optimization, 2011 - 2018

Kayakutlu G., Project Supported by Higher Education Institutions, ANALYZING DECISIONS UNDER UNCERTAINTY IN THE MANUFACTURING SUPPLY CHAIN, 2010 - 2018

Kayakutlu G., Project Supported by Higher Education Institutions, Waste Detection and Optimisation by Applying Causal Map Technique on Value Stream Maps, 2007 - 2018

Kayakutlu G., TUBITAK Project, TUBITAK TEYDEP Siparişe Dayalı Üretim Yönetim Sistemi SİDÜYÖS, 2014 - 2016

Kayakutlu G., TUBITAK Project, TUBITAK TEYDEP Sanayide Enerji Talep Üretim ve Kullanım Optimizasyonu SETÜKO, 2013 - 2015

Activities in Scientific Journals

IEEE Transactions On Engineering Management, Editor, 2018 - Continues

Metrics

Publication: 124
Citation (WoS): 469
Citation (Scopus): 646
H-Index (WoS): 9
H-Index (Scopus): 11

Non Academic Experience

Şahıs Şirketi
Integra Yazılım A.Ş.
Hürriyet Holding
TES Yazılım A.Ş.
OECD/Uluslararası Enerji Ajansı, Paris, Fransa
TÜBİTAK/TÜRDOK