

Prof. Gülgün Kayakutlu

Personal Information

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Education Information

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

Post Graduate, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Yöneylem Araştırması (YI) (Tezli), Turkey 1976 - 1980

Under Graduate, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 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

Post Graduate, 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, İstanbul Teknik Üniversitesi, İşletme Fakültesi, Endüstri Mühendisliği Bölümü, 2011 - Continues

Assistant Professor, İstanbul Teknik Üniversitesi, İşletme Fakültesi, Endüstri Mühendisliği Bölümü, 2007 - Continues

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

Lecturer PhD, İstanbul Teknik Üniversitesi, İşletme Fakültesi, Endüstri Mühendisliği Bölümü, 2005 - 2007

Assistant Professor, İstanbul Ticaret Üniversitesi, Mühendislik Ve Tasarım Fakültesi, Endüstri Mühendisliği Bölümü, 2003 - 2005

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. Multi-objective particle swarm optimization with random immigrants

Unal A. N. , Kayakutlu G.

COMPLEX & INTELLIGENT SYSTEMS, vol.6, no.3, pp.635-650, 2020 (Journal Indexed in SCI)

- II. **Review and clustering of optimal energy management problem studies for industrial microgrids**
BEKTAŞ Z., Kayakutlu G.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, 2020 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **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 (Refereed Journals of Other Institutions)
- II. **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 (Refereed Journals of Other Institutions)
- III. **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 (Journal Indexed in ESCI)
- IV. **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 (Refereed Journals of Other Institutions)
- V. **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, 2020 (Journal Indexed in ESCI)

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, Sanayide Trijenerasyon Üretim ve Kullanımının Planlanması, 2014 - Continues

Kayakutlu G., Project Supported by Higher Education Institutions, Modelling Risk Management in research and Deveploment Using Collective İntelligence, 2011 - Continues

Kayalica M. Ö. , Kayakutlu G., Tinç H. K. , Bayar A. A. , ÖZÖZEN A., Project Supported by Higher Education Institutions, Hanehalkna 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 Paticle Swarm Optimization, 2011 - 2018

Kayakutlu G., Project Supported by Higher Education Institutions, ANALYZİNG DECİSİONS UNDER UNCERTAİNTY İN THE MANUFACTURİNG SUPPLY CHAİN, 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

Citations

Total Citations (WOS):461

h-index (WOS):9