

Asst. Prof. GÖZDEM DURAL

Personal Information

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International Researcher IDs

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Education

Doctorate, Hacettepe University, İİBF, İşletme Bölümü, Turkey 2010 - 2015

Postgraduate, Ihsan Dogramaci Bilkent University, Faculty Of Business Administration, Mba, Turkey 2007 - 2010

Undergraduate, Middle East Technical University, Faculty Of Engineering, Endüstri Mühendisliği, Turkey 2002 - 2007

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, A system dynamics approach to economic growth model from a demographic perspective: An economic demography model proposal, Hacettepe Üniversitesi, İktisadi ve İdari Bilimler Fakültesi, İşletme Bölümü, 2015

Research Areas

Industrial Engineering, Stochastic Modeling, Optimization Theory and Methods, Simulation, System Dynamics, Decision Theory, Engineering and Technology

Academic Positions

Assistant Professor, Social Sciences University Of Ankara, Siyasal Bilgiler Fakültesi, İşletme , 2022 - 2025

Assistant Professor, Atılım University, Mühendislik, Endüstri Müh., 2019 - 2022

Research Assistant, Hacettepe University, Nüfus Etütleri Enstitüsü, Politika Ve Strateji Çalışmaları A.B.D., 2015 - 2019

Research Assistant, Middle East Technical University, Faculty Of Economic And Administrative Sciences, Department Of Business Administration, 2011 - 2015

Journal articles indexed in SCI, SSCI, and AHCI

- I. **Effectiveness of non-pharmaceutical interventions during an outbreak under the influence of behavioural and cultural aspects**
DURAL G.
JOURNAL OF THE OPERATIONAL RESEARCH SOCIETY, no.5, pp.951-970, 2025 (SCI-Expanded)
- II. **Evaluating the sustainability of complex health system transformation in the context of population ageing: An empirical system dynamics study**
DURAL G., Vasilakis C.
JOURNAL OF THE OPERATIONAL RESEARCH SOCIETY, no.1, pp.1-17, 2023 (SCI-Expanded)
- III. **The benefit of receding horizon control: Near-optimal policies for stochastic inventory control**
Dural-Selcuk G., Rossi R., Kilic O. A., TARIM Ş. A.
Omega (United Kingdom), vol.97, 2020 (SCI-Expanded)
- IV. **An integrated economy-demography model reframed in a system dynamics setting**
Dural-Selcuk G., Tunc H., TARIM Ş. A.
System Dynamics Review, vol.35, no.4, pp.337-368, 2019 (SSCI)

Articles Published in Other Journals

- I. **ANALYZING CONSUMER PROFILE IN ONLINE GROCERY MARKET AND ESTIMATION OF THE TENDENCY TO BUY VIA MACHINE LEARNING**
Cicek C. T., SELÇUK G. D.
Ömer Halisdemir Üniversitesi İktisadi ve İdari Bilimler Fakültesi Dergisi, vol.16, no.1, pp.24-35, 2023 (Peer-Reviewed Journal)
- II. **Kamu işletmelerinde yapılan sosyal inovasyonlara karşı tüketicinin tutumunun incelenmesi ve bir vaka analizi**
Dural G.
Gazi İktisat ve İşletme Dergisi, vol.8, no.3, pp.533-547, 2022 (Peer-Reviewed Journal)
- III. **Inventory Costs and Replenishment Decisions Considering the Time Value of Money**
ÇİMEN M., SELÇUK G. D., TARIM Ş.
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.25, no.3, pp.1499-1518, 2020 (Peer-Reviewed Journal)

Books

- I. **Lean Healthcare: A Guide to Use Statistical Quality Tools in the Lean Healthcare Context**
Dural G.
in: Lean Thinking in Industry 4.0 and Services for Society, Katarzyna Antosz, José Carlos Sá, Małgorzata Jasiulewicz-Kaczmarek, José Machado, Editor, IGI Global yayınevi, New York, pp.194-224, 2023
- II. **Development of Intelligent Healthcare Systems Through Digital Transformation and Operations Research Modeling**
Dural G.
in: Intelligent Systems in Digital Transformation, Cengiz Kahraman, Elif Haktanır, Editor, Springer, Bern, pp.295-319, 2022

Papers Presented at Peer-Reviewed Scientific Conferences

- I. **Optimal lot sizing with NPV approach for inventory systems with constant demand**
Dural-Selcuk G., Cimen M.
7th IFAC Conference on Manufacturing Modelling, Management, and Control, MIM 2013, Saint Petersburg, Russia, 19 - 21 June 2013, vol.46, pp.1997-2002, (Full Text)