Assoc. Prof. Şeyda Serdar Asan

Personal Information

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International Researcher IDs
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Education Information

Doctorate, Technische Universitaet Berlin, Fakülte 5, Germany 2003 - 2009
Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Mühendislik Yönetimi (Yl) (Tezli), Turkey 1999 - 2001
Undergraduate, Istanbul Technical University, İşletme Fakültesi, Endüstri Mühendisliği Bölümü, Turkey 1995 - 1999

Foreign Languages

English
German

Dissertations

Doctorate, A Methodology Based on Theory of Constraints' Thinking Processes for Managing Complexity in the Supply Chain , Technische Universitaet Berlin, Fakülte 5, 2009
Postgraduate, Dengelenmiş performans yaklaşımı ve Hoshin Kanri'nin birlikte kullanıldığı bir stratejik yönetim modeli, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Mühendislik Yönetimi (Yl) (Tezli), 2001

Research Areas

Industrial Engineering, Production Planning and Control, Inventory Systems, Service Systems Modeling and Analysis, Total quality Management, Supply Chain and Logistics Management, Network Design

Academic Titles / Tasks

Assistant Professor, Istanbul Technical University, İşletme, Endüstri Mühendisliği, 2018 - Continues
Assistant Professor, Istanbul Technical University, İşletme, Endüstri Mühendisliği, 2012 - 2018
Lecturer PhD, Istanbul Technical University, İşletme, Endüstri Mühendisliği, 2010 - 2012
Research Assistant, Istanbul Technical University, İşletme, Endüstri Mühendisliği, 1999 - 2010

Jury Memberships

Jury Memberships

Doctorate, Vural Erol, Doktora Tez savunma, İstanbul Teknik Üniversitesi, October, 2017
Doctoral Examination, Rıza Gürhan Korkut, İstanbul Teknik Üniversitesi, May, 2017
Doctoral Examination, Nadide Çağlayan, İstanbul Teknik Üniversitesi, May, 2017
Doctoral Examination, Mustafa Kellekçi, İstanbul Teknik Üniversitesi , May, 2017
Doctoral Examination, Özlem Gürel, İstanbul Teknik Üniversitesi, December, 2016
Doctoral Examination, Rıza Gürhan Korkut , Istanbul Teknik Üniversitesi, December, 2016

Published journal articles indexed by SCI, SSCI, and AHCI

I. **A hesitant approach to sustainable supply chain risk assessment**
Soyer A., Bozdag E., Kadaifçi Yanmaz Ç., Asan U., Serdarasan Ş.
Journal of Cleaner Production, vol.418, 2023 (SCI-Expanded)

II. **DEFINING AND MODELING RISKS IN SERVICE SUPPLY CHAINS**
Karadayi-Usta S., Serdarasan S.
INTERNATIONAL JOURNAL OF INDUSTRIAL ENGINEERING-THEORY APPLICATIONS AND PRACTICE, vol.28, no.1, pp.52-74, 2021 (SCI-Expanded)

III. **A new rule-based integrated decision making approach to container transshipment terminal selection**
Kadaifci Ç., Asan U., Serdarasan S., Arıcan U.
MARITIME POLICY & MANAGEMENT, vol.46, pp.237-256, 2019 (SSCI)

IV. **A New Approach to DEMATEL Based on Interval-Valued Hesitant Fuzzy Sets**
Asan U., Kadaifçi Ç., Bozdağ C. E., Soyer A., Serdar Asan Ş.
Applied Soft Computing, vol.66, pp.34-49, 2018 (SCI-Expanded)

V. **Risk prioritization in Failure Mode and Effects Analysis using interval type-2 fuzzy sets**
Bozdag E., Asan U., SOYER A., SERDARASAN S.
EXPERT SYSTEMS WITH APPLICATIONS, vol.42, no.8, pp.4000-4015, 2015 (SCI-Expanded)

VI. **A review of supply chain complexity drivers**
Serdarasan S.
COMPUTERS & INDUSTRIAL ENGINEERING, vol.66, no.3, pp.533-540, 2013 (SCI-Expanded)

VII. **Integrating Hoshin Kanri and the Balanced Scorecard for strategic management: The case of higher education**
Asan S. S., Tanyas M.
TOTAL QUALITY MANAGEMENT & BUSINESS EXCELLENCE, vol.18, pp.999-1014, 2007 (SSCI)

Articles Published in Other Journals

I. **Supplier selection and capacity allocation in medical tourism service supply chain**
Karadayi-Usta S., Serdarasan S.
OPSEARCH, 2023 (ESCI)

II. **Türkiye Yaş Meyve-Sebze Tedarik Zincirinde Kayıp Yönetimi: Aktör Analizi**
SERDAR ASAN Ş., KADAİFÇİ Ç.
Tarım Ekonomisi Dergisi, vol.26, no.2, pp.191-203, 2020 (Peer-Reviewed Journal)

III. **Uyarlamalı Seçime-Dayalı Konjoint Analizi ile Medikal Turizm Hizmeti Tasarımı**
Karadayı Usta S., Serdar Asan Ş.
Hacettepe Sağlık İdaresi Derg.*, vol.23, no.2, pp.317-332, 2020 (Peer-Reviewed Journal)

IV. **Structural modeling and analysis of enterprise resource planning implementation barriers**
Cakirli M. Y., Karadayı Usta S., Serdarasan S.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.26, no.4, pp.799-811, 2020 (ESCI)

V. **A Conceptual Model of Medical Tourism Service Supply Chain**
Karadayı Usta S., SerdarAsan S.
JOURNAL OF INDUSTRIAL ENGINEERING AND MANAGEMENT-JIEM, vol.13, no.2, pp.246-265, 2020 (ESCI)

VI. **ENDÜSTRI 4.0 KAPSAMINDA LOJISTIK FAALIYETLER**
SERDAR ASAN Ş., GÜREL Ö., KARADAYI USTA S.
Lojistik dergisi, 2019 (Peer-Reviewed Journal)

VII. **Dealing with Complexity in the Supply Chain the Effect of Supply Chain Management Initiatives**
SERDAR ASAN Ş., TANYAŞ M.
SUPPLY CHAIN MANAGEMENT eJOURNAL, vol.12, 2012 (Non Peer-Reviewed Journal)

VIII. **MODULAR DESIGN AS A KEY CAPABILITY FOR CREATING FUTURE PRODUCTS UNDER UNCERTAINTY**
Asan U., Polat S., Serdar Asan Ş.
FOCUSED ISSUE ON THE MARKETING PROCESS IN ORGANIZATIONAL COMPETENCE, vol.1, pp.237-270, 2005 (Peer-Reviewed Journal)

IX. **An Integrated Method for Designing Modular Products**
Asan U., Polat S., Serdar Asan Ş.
JOURNAL OF MANUFACTURING TECHNOLOGY MANAGEMENT, vol.15, no.1, pp.29-49, 2004 (Scopus)

Books & Book Chapters

I. **The Power of Combination Models in Energy Demand Forecasting**
IŞIKLI E., SERDAR ASAN Ş.
in: Decision Making Using AI in Energy and Sustainability, Kayakutlu Gülgün, Kayalica M. Özgür, Editor, Springer Nature, pp.153-167, 2023

II. **Engineering Education Trends in the Digital Era**
Serdar Asan Ş. (Editor), Işıklı E. (Editor)
IGI Global, Pennsylvania, 2020

III. **A Collaborative Framework for Medical Tourism Service Supply Chain Operations**
KARADAYI USTA S., SERDAR ASAN Ş.
in: Global Developments in Healthcare and Medical Tourism, Sudip Paul and Sharad Kumar Kulshreshtha, Editor, IGI Global, pp.188-219, 2019

IV. **Prozessmanagement in der Logistik – eine Fallstudie**
TANYAŞ M., SERDAR ASAN Ş.
in: Management, Prozesse und Informationstechnologie: Konzepte, Trends, Perspektiven, Alptekin Erkollar, Editor, Tectum Verlag Marburg, Birkach, pp.26-62, 2013

V. **A review of genetic algorithm applications in supply chain network design**
İris Ç., SERDAR ASAN Ş.
in: Computational Intelligence Systems in Industrial Engineering, Cengiz Kahraman, Editor, Atlantis Press, pp.203-230, 2012

VI. **A Fuzzy Analytic Network Process Approach**
ASAN U., SOYER A., SERDAR ASAN Ş.
in: Computational Intelligence Systems in Industrial Engineering, Kahraman C., Editor, Atlantis Press, pp.155-179, 2012

Supported Projects

Serdar Asan Ş., Işıklı E., Karadayı Usta S., ATA T., AKPINAR M. E., ÖZEN E. G., BAYIR B., DÖNMÜŞ T. C., RAOFI A. R., Project Supported by Higher Education Institutions, Türkiye'nin sağlık turizmi talebini etkileyen faktörlerin analizi ve talep tahmini, 2019 - 2020

Serdar Asan Ş., Project Supported by Higher Education Institutions, AN INTERVAL-VALUED HESITANT FUZZY DEMATEL

METHOD AND ITS APPLICATION IN GROUP DECISION MAKING, 2016 - 2018
Serdar Asan Ş., Project Supported by Higher Education Institutions, A Thinking Framework for Managing Complexity in the Suppley Chain, 2012 - 2018
Serdar Asan Ş., Project Supported by Higher Education Institutions, Tedarik Zincirinde Karmaşıklığa Neden Olan Etkenlerin Gözden Geçirilmesi, 2011 - 2018
Serdar Asan Ş., Project Supported by Higher Education Institutions, Web Hizmetleri Tasarımında Kalite Fonksiyon Açılımı Uygulaması, 2014 - 2015

Metrics

Publication: 60
Citation (WoS): 270
Citation (Scopus): 364
H-Index (WoS): 5
H-Index (Scopus): 5