

## Prof. SELÇUK ÇOLAK

### Personal Information

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### Education Information

Doctorate, University of Florida, College Of Business, Information Systems And Operations Management, United States Of America 2001 - 2006

Postgraduate, University of Florida, College Of Engineering, Electrical And Computer Engineering, United States Of America 1999 - 2000

Undergraduate, Cukurova University, Mühendislik Ve Mimarlık Fakültesi, Elektrik - Elektronik Mühendisliği Bölümü, Turkey 1992 - 1997

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Neural Networks Based Metaheuristics for Solving Optimization Problems, University of Florida, Warrington College Of Business, Information Systems And Operations Management, 2006

### Research Areas

Social Sciences and Humanities, Management, Production Management, Quantitative Methods, Logistics Management, Production and Service Systems, Industrial Engineering , Optimization Theory and Methods, Production Planning and Control, Scheduling, Project Management, Engineering and Technology

### Academic Titles / Tasks

Professor, Cukurova University, İktisadi Ve İdari Bilimler Fakültesi, İşletme Bölümü, 2018 - Continues

Professor, Sabanci University, Mühendislik Ve Doğa Bilimleri Fakültesi, Endüstri Mühendisliği, 2011 - Continues

Associate Professor, Cukurova University, İktisadi Ve İdari Bilimler Fakültesi, İşletme, 2012 - 2018

Assistant Professor, Cukurova University, İktisadi Ve İdari Bilimler Fakültesi, İşletme, 2009 - 2012

Lecturer PhD, Cukurova University, İktisadi Ve İdari Bilimler Fakültesi, İşletme Bölümü, 2007 - 2009

Research Assistant, University of Florida, Warrington College Of Business, Information Systems And Operations Management, 2002 - 2006

## Academic and Administrative Experience

Cukurova University, Sosyal Bilimler Enstitüsü, 2013 - Continues  
Cukurova University, Sosyal Bilimler Enstitüsü, 2013 - Continues  
Cukurova University, Sosyal Bilimler Enstitüsü, 2013 - Continues  
Cukurova University, İktisadi Ve İdari Bilimler Fakültesi , İşletme, 2012 - Continues

## Advising Theses

ÇOLAK S., MİLLİ SAVUNMA SANAYİNDE ÜRETİM YAPAN FİRMALARIN PROJE YAKLAŞIMLARI İLE "SKUNK WORKS" MODELİNİN KARŞILAŞTIRILMASI, Doctorate, G.Eray(Student), 2015  
ÇOLAK S., Simulation in medical systems: An application in a hospital laboratory, Postgraduate, D.Yaman(Student), 2013  
ÇOLAK S., Proje yönetimi teknikleri ve kara salyangozu üretim çiftliği projesi üzerine bir uygulama, Postgraduate, M.Temel(Student), 2011

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

- I. **Performance analysis of a university hospital blood laboratory via discrete event simulation**  
Kadi D., KUVVETLİ Y., ÇOLAK S.  
SIMULATION-TRANSACTIONS OF THE SOCIETY FOR MODELING AND SIMULATION INTERNATIONAL, vol.92, no.5, pp.473-484, 2016 (Journal Indexed in SCI)
- II. **Metaheuristic Methods**  
Agarwal A., ÇOLAK S., Erenguc S.  
HANDBOOK ON PROJECT MANAGEMENT AND SCHEDULING, VOL 1, pp.57-74, 2015 (Journal Indexed in SCI)
- III. **A Neurogenetic approach for the resource-constrained project scheduling problem**  
Agarwal A., ÇOLAK S., Erenguc S.  
COMPUTERS & OPERATIONS RESEARCH, vol.38, no.1, pp.44-50, 2011 (Journal Indexed in SCI)
- IV. **NeuroGenetic approach for combinatorial optimization: an exploratory analysis**  
Agarwal A., ÇOLAK S., Deane J.  
ANNALS OF OPERATIONS RESEARCH, vol.174, no.1, pp.185-199, 2010 (Journal Indexed in SCI)
- V. **Heuristics and augmented neural networks for task scheduling with non-identical machines**  
Agarwal A., Colak S., JACOB V. S. , PIRKUL H.  
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, vol.175, no.1, pp.296-317, 2006 (Journal Indexed in SCI)
- VI. **Improvement heuristic for the flow-shop scheduling problem: An adaptive-learning approach**  
AGARWAL A., Colak S., ERYARSOY E.  
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, vol.169, no.3, pp.801-815, 2006 (Journal Indexed in SCI)
- VII. **Non-greedy heuristics and augmented neural networks for the open-shop scheduling problem**  
Colak S., AGARWAL A.  
NAVAL RESEARCH LOGISTICS, vol.52, no.7, pp.631-644, 2005 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **Adana Bölgesi'nde Tek Pencere Sistemine Adaptasyon Süreci**  
ÇOLAK S., Alatepeli B., Elçiçek Güneş P.  
Çukurova Üniversitesi Sosyal Bilimler Enstitüsü Dergisi, vol.24, no.1, pp.98-108, 2018 (Other Refereed National Journals)
- II. **Multi-Mode Resource-Constrained Project-Scheduling Problem With Renewable Resources: New Solution Approaches**  
ÇOLAK S., Agarwal A., Erenguc S.  
Journal of Business & Economics Research (JBER), vol.11, no.11, pp.455-468, 2014 (Refereed Journals of Other

Institutions)

**III. The Task Scheduling Problem: A NeuroGenetic Approach**

Agarwal A., ÇOLAK S., Deane J., Rakes T.

Journal of Business & Economics Research (JBER), vol.12, no.4, pp.327-334, 2014 (Refereed Journals of Other Institutions)

**IV. Genetik Algoritmalar Yardımı ile Gezgin Satıcı Probleminin Çözümü Üzerine Bir Uygulama**

ÇOLAK S.

Çukurova Üniversitesi Sosyal Bilimler Enstitüsü Dergisi, vol.19, no.3, pp.423-438, 2010 (Other Refereed National Journals)

**V. Dağıtım rotaları optimizasyonu için metasezgisel bir yaklaşım**

ÇOLAK S., GÜLER H.

Gazi Üniversitesi İktisadi ve İdari Bilimler Fakültesi Dergisi, vol.11, no.2, pp.171-190, 2009 (Other Refereed National Journals)

**VI. Dağıtım Rotaları Optimizasyonu İçin Meta Sezgisel Bir Yaklaşım**

ÇOLAK S., GÜLER H.

Gazi Üniversitesi İktisadi ve İdari Bilimler Fakültesi Dergisi, vol.11, no.2, pp.171-189, 2009 (National Refreed University Journal)

## Books & Book Chapters

**I. Metaheuristic Methods**

Agarwal A., ÇOLAK S., Erenguc S.

in: Handbook on Project Management and Scheduling Vol.1, Christoph Schwindt, Jürgen Zimmermann, Editor, Springer, New York, pp.57-74, 2015

**II. Metaheuristic Methods**

ANURAG A., ÇOLAK S., ERENGUC S.

in: Handbook on Project Management and Scheduling, Jürgen Zimmermann and Schwindt, Christoph, Editor, Springer, pp.57-74, 2015

**III. Resource Constrained Project Scheduling: a Hybrid Neural Approach**

ÇOLAK S., Agarwal A., Erenguc S.

in: Perspectives in Modern Project Scheduling, Joanna Jozefowska and Jan Weglarz , Editor, Springer, New York, pp.297-318, 2006

## Refereed Congress / Symposium Publications in Proceedings

**I. TÜRKİYE MOBİLYA ENDÜSTRİSİNDE BİLGİSAYAR TÜMLEŞİK İMALATININ UYGULAMALARI**

RADAVUŞ H. A. , ÇOLAK S., TÜFEKLİ Y.

3. ULUSAL MOBİLYA KONGRESİ, Konya, Turkey, 10 - 12 April 2015, pp.42

## Supported Projects

FİSUNOĞLU H. M. , ÇOLAK S., TEKİN İ., BURGAÇ A., BERBEROĞLU S., ORANSAY G., Project Supported by Higher Education Institutions, RIS3 Adana Sanayi Rekabet Gücü Analizi, 2017 - 2018

ÇOLAK S., TUBITAK Project, Araç Rotalama Problemine NöroGenetik Yaklaşım, 2008 - 2009

## Scientific Refereeing

Computers & Operations Research, SCI Journal, January 2014  
Computers & Industrial Engineering, SCI Journal, July 2013  
European Journal of Operational Research, SCI Journal, April 2013  
Endüstri Mühendisliği Dergisi, National Scientific Refreed Journal, February 2013  
Decision Sciences, SCI Journal, January 2012  
Applied Mathematics and Computation, National Scientific Refreed Journal, April 2011  
Gazi University Journal of Science, Other Indexed Journal, March 2011  
Information Technology and Management, SCI Journal, June 2010  
Journal Operational Research: An International Journal, SCI Journal, April 2010  
Information Sciences, Other Indexed Journal, April 2009

## **Citations**

Total Citations (WOS):143

h-index (WOS):5

## **Non Academic Experience**

Non-profit Organisation, Türkiye Odalar Ve Borsalar Birliği