

# Turkay Dereli

*Professor & Rector*

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Professor **Turkay Dereli** was appointed as the Founding Rector of Iskenderun Technical University (ISTE) on September 9th, 2015. He received his BSc. and MSc. in Mechanical Engineering from Middle East Technical University (METU) and Gaziantep University (GAUN) in 1992 and 1994, respectively. He earned his PhD degree from GAUN in 1998. From 1992 to 1998, he was with Mechanical Engineering Department of GAUN, first as a research assistant and later as an instructor. He then moved to Industrial Engineering Department at GAUN. Manufacturing and industrial engineering along with management are his main fields of specialization. He has 69 published SCI/SCIE papers forming an h-index of 16. Some of the journals that he made publications are; *Cybernetics and Systems*, *J. of Engineering and Technology Management*, *Int. J. of Production Research*, *J. of Intelligent Manufacturing*, *Computers in Industry* and *Computers & Industrial Engineering*. His current research interests include; technology and innovation management, technointelligence, CAD/CAM, quality planning, agile/responsive manufacturing, management science, operations management, informatics, applications of artificial intelligence and soft computing (including fuzzy logic).

## Academic Qualifications:

Degree	Specialization	University	Year
BSc	Mechanical Engineering	Middle East Technical University (METU)	1992
MSc	Mechanical Engineering	Gaziantep University	1994
PhD	Mechanical Engineering	Gaziantep University	1998
Assistant Prof.	Industrial Engineering	Gaziantep University	1998
Associated Prof.	Industrial Engineering	Gaziantep University	2002
Professor	Industrial Engineering	Gaziantep University	2007

## Field(s) of Specialization:

Industrial and manufacturing engineering (for details please see below)

## Current Research Areas/Topics:

Technology and innovation management, technointelligence, CAD/CAM, process planning, feature-based machining, quality planning and control, TQM, agile/responsive manufacturing, management science, operations management, informatics, applications of artificial intelligence, and soft computing (including fuzzy logic).

## Number of Postgraduate Students Supervised:

Program	Status	As a Chairman	As a Member
PhD	Graduated	4	9
	Ongoing	4	5
Masters (with thesis)	Graduated	7	15
	Ongoing	12	23

## Editorial Services:

- **Turkay Dereli**, Founding Editor, Turkish Journal of Fuzzy Systems, <http://www.tjfs-journal.org/editorial.html>
- **Turkay Dereli**, Associate Editor, Computers in Industry - An International, Application Oriented Research Journal (Elsevier, ISSN: 0166-3615) <http://www.journals.elsevier.com/computers-in-industry/editorial-board/>
- **Turkay Dereli**, Area (Enterprise Engineering & Management) Editor, Computers & Industrial Engineering - An International, Application Oriented Research Journal (Elsevier, ISSN: 0166-3615) <https://www.journals.elsevier.com/computers-and-industrial-engineering/editorial-board/>
- **Turkay Dereli**, Editorial Board Member, Journal of the Faculty of Engineering and Architecture of Gazi University, Gazi Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, Online ISSN: 1304 – 4915, Printed ISSN: 1300 - 1884 <http://www.mmfdergi.gazi.edu.tr/about/editorialTeam>
- **Turkay Dereli**, Associate Editor, European Journal of Industrial Engineering (EJIE) (Inderscience Publishers, ISSN (Online): 1751–5262 - ISSN (Print): 1751–5254) <http://www.inderscience.com/jhome.php?jcode=ejie#edboard>
- **Turkay Dereli**, Associate Editor, International Journal of Advanced Manufacturing Systems, (The International Society of Agile Manufacturing, ISAM, ISSN 1536-2647) <http://www.lions.odu.edu/~averma/ISAM/ijams/editors.htm>
- **Turkay Dereli**, Associate Editor, International Journal of Agile Manufacturing, (The International Society of Agile Manufacturing, ISAM, ISSN 1536-2639) <http://www.lions.odu.edu/~averma/ISAM/ijam/editors.htm>
- **Turkay Dereli**, Editorial Board Member, International Journal of Soft Computing, (Medwell Journals, ISSN (Print): 1816-9503, Online-Open Access) <http://www.medwelljournals.com/eboard.php?jid=1816-9503>
- **Turkay Dereli**, Editorial Board Member, International Journal of Advanced Operations Management (IJAOM), (Inderscience Publishers, ISSN (Online): 1758-9398 - ISSN (Print): 1758-938X) <http://www.inderscience.com/jhome.php?jcode=ijaom#edboard>
- **Turkay Dereli**, Editorial Board Member, International Journal of Business Performance and Supply Chain Modelling (IJBPSM), (Inderscience Publishers, ISSN (Online): 1758-941X - ISSN (Print): 1758-9401) <http://www.inderscience.com/jhome.php?jcode=IJBPSM#edboard>

## Achievements / Awards:

**h index: 18, 1284 total citations** (SCOPUS)

**h index: 16, 960 total citations** (WEB OF SCIENCE)

**h index: 23, 2175 total citations** (GOOGLE SCHOLAR)

## Significant Journal Publications:

*(Exported from Web of Science on 22 September 2017)*

Application of An Aggregation Technique To Facility Layout Design Selection

By: Altuntas, Serkan; **Dereli, T.**,

Journal of Thermal Engineering

Volume: 3 Issue: 1 Pages: 1078-1088 Published: JAN 2017

Comparing the innovation performance of EU candidate countries: an entropy-based TOPSIS approach

By: Kaynak, Selahattin; Altuntas, Serkan; **Dereli, T.**,

Economic Research-Ekonomska Istrazivanja

Volume: 30 Issue: 1 Pages: 31-54 Published: 2017

Assessment of corporate innovation capability with a data-mining approach: industrial case studies

By: Altuntas, Serkan; Dereli, **Dereli, T.**, Andrew

Computers & Industrial Engineering

Volume: 102 Pages: 58-68 Published: DEC 2016

Predicting the innovation capability of investment projects using the BIFPET algorithm: a framework and case study

By: Altuntas, Serkan; Davis, Jonathan; **Dereli, T.**,

Journal of Engineering Research

Volume: 4 Issue: 4 Pages: 151-177 Published: DEC 2016

An Open Letter in Support of Transformative Biotechnology and Social Innovation: SANKO University Innovation Summit in Medicine and Integrative Biology, Gaziantep, Turkey, May 5-7, 2016

By: Saygili, Eyup Ilker; Abou-Zeid, Alaa H.; Akkin, Salih Murat; et al (**Dereli, T.**, included)

OMICS-A Journal of Integrative Biology

Volume: 20 Issue: 4 Pages: 259-262 Published: APR 2016

Multi-issue negotiation in quality function deployment: Modified Even-Swaps in new product development

By: Altun, Koray; von Zedtwitz, Max; **Dereli, T.**,

Computers & Industrial Engineering

Volume: 92 Pages: 31-49 Published: FEB 2016

Evaluation of Excavator Technologies: Application Of Data Fusion Based Multimoora Methods

By: Altuntas, Serkan; Dereli, **Dereli, T.**, Mustafa Kemal

Journal of Civil Engineering And Management

Volume: 21 Issue: 8 Pages: 977-997 Published: NOV 17 2015

An Appeal to the Global Health Community for a Tripartite Innovation: An "Essential Diagnostics List," "Health in All Policies," and "See-Through 21(st) Century Science and Ethics"

By: Dove, Edward S.; Barlas, I. Omer; Birch, Kean; et al. (**Dereli, T.**, included)

OMICS-A Journal of Integrative Biology

Volume: 19 Issue: 8 Pages: 435-442 Published: AUG 1 2015

Forecasting technology success based on patent data

By: Altuntas, Serkan; **Dereli, T.**, Kusiak, Andrew

Technological Forecasting and Social Change

Volume: 96 Pages: 202-214 Published: JUL 2015

Analysis of patent documents with weighted association rules

By: Altuntas, Serkan; **Dereli, T.**, Kusiak, Andrew

Technological Forecasting and Social Change

Volume: 92 Pages: 249-262 Published: MAR 2015

A novel approach based on DEMATEL method and patent citation analysis for prioritizing a portfolio of investment projects

By: Altuntas, Serkan; **Dereli, T.**,

Expert Systems with Applications

Volume: 42 Issue: 3 Pages: 1003-1012 Published: FEB 15 2015

Even easier multi-issue negotiation through Modified Even-Swaps considering practically dominated alternatives

By: Altun, Koray; **Dereli, T.**,

Computers & Industrial Engineering

Volume: 76 Pages: 307-317 Published: OCT 2014

**Dereli, T.**, Coşkun, Y., Kolker, E., Güner, O., Ağırbaşı, M., Özdemir, V.  
Big Data and Ethics Review for Health Systems Research in LMICs: Understanding Risk, Uncertainty and Ignorance-And Catching the Black Swans?  
(2014) American Journal of Bioethics, 14 (2), pp. 48-50.  
<http://www.scopus.com/inward/record.url?eid=2-s2.0-84893129044&partnerID=40&md5=cf2170f8f9236f6e4dc8be2a2833136b>

Özdemir, V., Kolker, E., Hotez, P.J., Mohin, S., Prainsack, B., Wynne, B., Vayena, E., Coşkun, Y., **Dereli, T.**, Huzair, F., Borda-Rodriguez, A., Bragazzi, N.L., Faris, J., Ramesar, R., Wonkam, A., Dandara, C., Nair, B., Llerena, A., Kiliç, K., Jain, R., Reddy, P.J., Gollapalli, K., Srivastava, S., Kickbusch, I.  
Ready to put metadata on the post-2015 development agenda? Linking data publications to responsible innovation and science diplomacy  
(2014) OMICS A Journal of Integrative Biology, 18 (1), pp. 1-9.  
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Fuzzy weighted association rule based solution approaches to facility layout problem in cellular manufacturing system  
(2013) International Journal of Industrial and Systems Engineering, 15 (3), pp. 253-271.  
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A Framework for Green/Eco-Innovation Through Use of a Novel Measure: E/R  
(2013) Green Energy and Technology, 60, pp. 259-284.  
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**Dereli, T.**, Altun, K.  
Technology evaluation through the use of interval type-2 fuzzy sets and systems  
(2013) Computers and Industrial Engineering, 65 (4), pp. 624-633.  
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Development of a framework for customer co-creation in NPD through multi-issue negotiation with issue trade-offs  
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(2013) Expert Systems with Applications, 40 (3), p. 841.  
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**Dereli, T.**, Altun, K.  
A novel approach for assessment of candidate technologies with respect to their innovation potentials: Quick innovation intelligence process  
(2013) Expert Systems with Applications, 40 (3), pp. 881-891.  
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**Dereli, T.**, Durmuşoğlu, A.

Visualization of Patents belonging to composite materials used in electronics

(2011) PICMET: Portland International Center for Management of Engineering and Technology, Proceedings, art. no. 6017796, .

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**Dereli, T.**, Durmuşoğlu, A., Delibaş, D., Avlanmaz, N.

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**Dereli, T.**, Das, G.S.

A hybrid 'bee(s) algorithm' for solving container loading problems

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**Dereli, T.**, Baykasoglu, A., Türksen, I.B.  
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**Dereli, T.**, Baykasoglu, A., Altun, K., Durmusoglu, A., Türksen, I.B.  
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**Dereli, T.**, Durmuşoğlu, A.  
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**Dereli, T.**, Daş, G.S.  
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Patenting activities in Turkey: The case of the textile industry  
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Fuzzy quality-team formation for value added auditing: A case study  
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