

# Prof. BERNA ULUTAŞ

## Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: E-9639-2012

ScopusID: 6602524363

Yoksis Researcher ID: 170677

## Education Information

2002 - 2008	Doctorate, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Endüstri Mühendisliği (Dr), Turkey
1999 - 2002	Postgraduate, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Endüstri Mühendisliği (Y) (Tezli), Turkey
1995 - 1999	Undergraduate, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Endüstri Mühendisliği Bölümü, Turkey

## Dissertations

2008	Dinamik yerleşim probleminin çözümü için bir klonal seçim algoritması ve uygulamaları, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Endüstri Mühendisliği (Dr), Doctorate
2002	Otomatik yönlendirilen araç sistemleri (OYAS) ve bir uygulama, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Endüstri Mühendisliği (Y) (Tezli), Postgraduate

## Research Areas

Ergonomics and Occupational Safety

## Academic Titles / Tasks

2018 - Continues	Professor, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ
2013 - 2018	Associate Professor, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ
2014 - 2014	Researcher, Ohio University, Russ College Of Engineering And Technology, Industrial And Systems Engineering
2010 - 2011	Researcher, Pennsylvania State University, Berks Campus Faculty Of Engineering, Business, And Computing, Information Science And Technology
1999 - 2010	Research Assistant, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ

## Academic and Administrative Experience

2015 - 2017	Deputy Head of Department, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Endüstri Mühendisliği Bölümü
2015 - 2017	Head of Department, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Endüstri Mühendisliği Bölümü

## Advising Theses

Continues	Ulutaş B., Doctorate, B.NUR(Student), İnsan ve Robot İşbirliği Olan Üretim Sistemlerinde Ergonomi ve Optimizasyon Yaklaşımları
2021	Ulutaş B., Postgraduate, B.USTAEL(Student), Performance Evaluation of Airports via Data Envelopment Analysis by Considering Baggage Handling Operations
2020	ULUTAŞ B., Postgraduate, B.EGE(Student), Gözle Muayene Faaliyetlerinin Değerlendirilmesinde Göz Takip Sistemlerinin Kullanılmasına Yönelik Bir Yaklaşım
2017	ULUTAŞ B., Postgraduate, M.CAN(Student), Görsel kontrol faaliyetlerinin incelenmesine yönelik yaklaşım ve bir montaj hattında uygulama
2015	ULUTAŞ B., Postgraduate, S.DÜLGER(Student), Bir mermer işletmesindeki problemlerin TRIZ yöntemi ile değerlendirilmesi
2014	ULUTAŞ B., Postgraduate, M.AYDIN(Student), Türev ürünler için yeni bir kümelendirme yaklaşımı ve bir uygulama

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A questionnaire-based musculoskeletal disorder assessment for aircraft maintenance technicians**  
Yazgan E., ÖZKAN N. F., ULUTAŞ B.  
AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, vol.94, no.2, pp.240-247, 2022 (SCI-Expanded)
- II. **Görsel muayenede arama ve karar verme sürecini değerlendirmeye yönelik yeni bir yaklaşım A novel approach to assess search and decision-making process in visual inspection**  
Ege B., Ulutaş B.  
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.37, no.3, pp.1535-1551, 2022 (SCI-Expanded)
- III. **Application of hidden Markov models to eye tracking data analysis of visual quality inspection operations**  
Ulutaş B., Özkan N. F., Michalski R.  
CENTRAL EUROPEAN JOURNAL OF OPERATIONS RESEARCH, vol.28, pp.761-777, 2020 (SCI-Expanded)
- IV. **An immune system based algorithm for cell formation problem**  
Ulutaş B.  
JOURNAL OF INTELLIGENT MANUFACTURING, vol.30, pp.2835-2852, 2019 (SCI-Expanded)
- V. **ASSESSING OCCUPATIONAL RISK FACTORS FOR FORKLIFT DRIVERS**  
Ulutaş B., Özkan N. F.  
TRAVAIL HUMAN, vol.82, no.2, pp.129-149, 2019 (SCI-Expanded)
- VI. **Evaluation of brain computer interface usage in terms of cognitive load: a pilot study**  
Kahya E., Özkan N. F., Ulutaş B.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.34, no.2, pp.648-662, 2019 (SCI-Expanded)
- VII. **Efficiency analysis of cement manufacturing facilities in Turkey considering undesirable outputs**  
Özkan N. F., Ulutaş B.  
JOURNAL OF CLEANER PRODUCTION, vol.156, pp.932-938, 2017 (SCI-Expanded)
- VIII. **A new methodology to cluster derivative product modules: an application**  
Aydin M., Ulutaş B.  
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, vol.54, no.23, pp.7091-7099, 2016 (SCI-Expanded)

- IX. **Dynamic facility layout problem in footwear industry**  
Ulutaş B., Islier A. A.  
JOURNAL OF MANUFACTURING SYSTEMS, vol.36, pp.55-61, 2015 (SCI-Expanded)
- X. **Assessing hypermutation operators of a clonal selection algorithm for the unequal area facility layout problem**  
Ulutaş B., Kulturel-Konak S.  
ENGINEERING OPTIMIZATION, vol.45, no.3, pp.375-395, 2013 (SCI-Expanded)
- XI. **An artificial immune system based algorithm to solve unequal area facility layout problem**  
Ulutaş B., Kulturel-Konak S.  
EXPERT SYSTEMS WITH APPLICATIONS, vol.39, pp.5384-5395, 2012 (SCI-Expanded)
- XII. **A review of clonal selection algorithm and its applications**  
Ulutaş B., Kulturel-Konak S.  
ARTIFICIAL INTELLIGENCE REVIEW, vol.36, no.2, pp.117-138, 2011 (SCI-Expanded)
- XIII. **A methodology to design virtual cellular manufacturing systems**  
Khilwani N., Ulutaş B., Islier A. A., Tiwari M. K.  
JOURNAL OF INTELLIGENT MANUFACTURING, vol.22, no.4, pp.533-544, 2011 (SCI-Expanded)
- XIV. **A novel attribute-based dynamic content area layout for internet newspapers**  
Ulutaş B., Islier A. A.  
INTERNET RESEARCH, vol.20, no.2, pp.135-153, 2010 (SCI-Expanded)
- XV. **A clonal selection algorithm for dynamic facility layout problems**  
Ulutaş B., Islier A. A.  
JOURNAL OF MANUFACTURING SYSTEMS, vol.28, pp.123-131, 2009 (SCI-Expanded)

## Articles Published in Other Journals

- I. **ASSESSING THE UNIVERSITY ON-CAMPUS TRANSPORT MODES: A PRELIMINARY STUDY**  
keleş f., ÖZGÜL H., Haktanirlar Ulutas B.  
Eskişehir Osmangazi Üniversitesi mühendislik ve mimarlık fakültesi dergisi (online), vol.32, no.1, pp.1118-1129, 2024 (Peer-Reviewed Journal)
- II. **Using Problem-Based Learning (PBL) in an Undergraduate Ergonomics Course**  
ULUTAŞ B.  
Journal of Problem Based Learning in Higher Education, vol.11, pp.90-104, 2023 (Scopus)
- III. **Assessing the efficiency of airports by considering health and safety issues: A pilot study for Turkey**  
USTAEL B., ULUTAŞ B.  
JOURNAL OF AIRLINE AND AIRPORT MANAGEMENT, vol.12, no.2, pp.49-68, 2022 (Peer-Reviewed Journal)
- IV. **Teaching and assessing strategies for an undergraduate manufacturing processes course: Experiences of 9 years**  
ULUTAŞ B.  
International Journal of Mechanical Engineering Education, vol.50, no.4, pp.902-922, 2022 (ESCI)
- V. **DERİN ÖĞRENME YÖNTEMLERİYLE SÜRÜCÜ YORGUNLUK TESPİTİ: BİR UYGULAMA**  
ÖZKAN N. F., ULUTAŞ B., YETKİN B. N.  
International Journal on Mathematic, Engineering and Natural Sciences, vol.6, no.21, pp.212-223, 2022 (Peer-Reviewed Journal)
- VI. **FRACTAL OFFICE LAYOUT BY CONSIDERING ERGONOMICS**  
Özkan N. F., Ulutaş B.  
Eskişehir Osmangazi Üniversitesi Mühendislik ve Mimarlık Fakültesi Dergisi, vol.28, no.1, pp.21-32, 2020 (Peer-Reviewed Journal)
- VII. **A systematic approach to assess visual inspection tasks: an assembly line case**  
Tuncer M. C., Özkan N. F., Ulutaş B.  
INTERNATIONAL JOURNAL OF PRODUCTIVITY AND QUALITY MANAGEMENT, vol.29, no.3, pp.418-438, 2020

(Scopus)

- VIII. **THE EFFECTS OF ENVIRONMENTAL FACTORS ON JOB PERFORMANCE IN METAL INDUSTRY**  
Kahya E., Ulutaş B., Özkan N. F.  
Journal of Industrial Engineering, vol.30, no.1, pp.1-14, 2019 (Peer-Reviewed Journal)
- IX. **METAL ENDÜSTRİSİNDE KİŞİSEL KORUYUCU DONANIM KULLANIMININ ANALİZİ**  
Kahya E., Ulutaş B., Özkan N. F.  
Selçuk University Journal of Engineering ,Science and Technology, vol.7, no.2, pp.420-433, 2019 (Peer-Reviewed Journal)
- X. **ÜNİVERSİTE ÖĞRENCİLERİNİN PROSPEKTÜS KULLANMA BİLİNCİ VE DAVRANIŞLARININ ARAŞTIRILMASI**  
Özkan N. F., Ulutaş B.  
Selçuk Üniversitesi Fen Fakültesi Fen Dergisi, vol.44, no.1, pp.51-62, 2018 (Peer-Reviewed Journal)
- XI. **EFFICIENCY ANALYSIS OF AIRPORTS IN TURKEY CONSIDERING ENVIRONMENTAL EFFECTS**  
Ulutaş B.  
The Central European Review of Economics and Management, vol.2, no.1, pp.65-78, 2018 (Peer-Reviewed Journal)
- XII. **ANALYSIS OF ENVIRONMENTAL CONDITIONS IN METAL INDUSTRY**  
Kahya E., Ulutaş B., Özkan N. F.  
Mühendislik Bilimleri ve Tasarım Dergisi, vol.6, no.1, pp.38-46, 2018 (Peer-Reviewed Journal)
- XIII. **Assessing visual control activities in ceramic tile surface defect detection: an eye-tracking study**  
Ulutaş B., Özkan N. F.  
INTERNATIONAL JOURNAL OF INTELLIGENT ENGINEERING INFORMATICS, vol.5, pp.342-351, 2017 (ESCI)
- XIV. **Using eye-tracking data to evaluate medicine information leaflets on-screen**  
Özkan N. F., Ulutaş B.  
Journal of Mathematics and Statistical Science, vol.3, no.12, pp.364-376, 2017 (Peer-Reviewed Journal)
- XV. **Türkiye deki illerin iş kazaları ve meslek hastalıkları açısından veri zarflama analizi ile değerlendirilmesi**  
Ulutaş B.  
e-Cumhuriyet Üniversitesi İktisadi ve İdari Bilimler Dergisi (elektronik), vol.17, no.2, pp.23-46, 2016 (Peer-Reviewed Journal)
- XVI. **Assessing the performance of two bio inspired algorithms to solve single row layout problem**  
Ulutaş B.  
International Journal of Manufacturing Engineering, no.265904, pp.1-12, 2013 (Peer-Reviewed Journal)
- XVII. **Determining the parameters of MSG algorithm for multi period layout problem**  
Ulutaş B., Saraç T.  
JOURNAL OF MANUFACTURING TECHNOLOGY MANAGEMENT, vol.23, no.7, pp.922-936, 2012 (ESCI)
- XVIII. **Evaluating the effect of teaching strategies and learning styles to students success**  
Özkan N. F., Ulutaş B.  
e-Journal of New World Sciences Academy NWSA-Education Sciences, vol.7, no.12, pp.613-620, 2012 (Peer-Reviewed Journal)
- XIX. **Assessing the relative performance of university departments teaching vs research**  
Ulutaş B.  
Istanbul University Econometrics and Statistics e-journal, vol.3, pp.125-138, 2011 (Peer-Reviewed Journal)
- XX. **Evaluating the performance of children protection societies via data envelopment analysis**  
Ulutaş B., Kırış Ş.  
Hacettepe University Journal of Society and Social Work, vol.19, no.1, pp.57-70, 2008 (Peer-Reviewed Journal)

## **Books & Book Chapters**

- I. **Application of Digital Human Modelling and Factorial Experiments for Workstation Optimization**  
Yetkin B. N., Ulutaş B.

in: Human Factors and Simulation, Julia Wright, Daniel Barber, Editor, AHFE Open Access, New York, pp.8-15, 2024

- II. **PBL Applications in Teaching Topics related with "Data"**  
ULUTAŞ B., Timur C., Chelai O., Sa V., YILDIRIM H., Caprioara D.  
in: Higher Education in a Digital Era through Project-based E-learning: Contributions of the RESTART4EDU Project, Dias C., P., Azevedo A.S., Oliveira I., Kara E., Ergunay O., Donmez H. M., Girtu M., Caprioara D., Editor, Aletheia, Associação Científica e Cultural, Braga, pp.187-198, 2023
- III. **Assessing Cognitive Load and Visual Attention in a Railway Simulator using Eye Tracking Technology: A Pilot Study**  
ÖZKAN N. F., ALTIN İ., ULUTAŞ B.  
in: Advances in Engineering Research, Petrova V.M., Editor, NOVA Science Publishers, Inc., New York, pp.91-114, 2023
- IV. **A Literature Review on Human-robot Collaborative Environments Considering Ergonomics**  
YETKİN B. N., ULUTAŞ B.  
in: Lecture Notes in Management and Industrial Engineering, Calisir F., Editor, Springer, Cham, pp.49-60, 2023
- V. **Efficiency Assessment of Onshore Wind Farms in Turkey: A DEA Approach**  
ULUTAŞ B., ÖZKAN N. F.  
in: Advances in Engineering Research, Victoria M. Petrova, Editor, NOVA SCIENCE PUBLISHERS, pp.91-114, 2022
- VI. **Efficiency of Assessment of Onshore Wind Farms in Turkey: A DEA Approach**  
ULUTAŞ B., ÖZKAN N. F.  
in: Advances in Engineering Research Volume 48, Viktoria M. Petrova, Editor, Nova Science Publisher, New York, pp.91-114, 2022
- VII. **Efficiency Evaluation of Health Services of Selected Countries during the COVID-19 Pandemic**  
ÖZKAN N. F., ULUTAŞ B.  
in: Advances in Health and Disease Volume 54, Lowell T. Duncan, Editor, Nova Science Publisher, New York, pp.119-136, 2022
- VIII. **Eye Tracking Applications in Real Life Manufacturing Environments: Materials Handling and Quality Control**  
ÖZKAN N. F., ULUTAŞ B.  
in: Advances in Engineering Research, Victoria M. Petrova, Editor, NOVA Science Publishers Inc. , New York, pp.93-118, 2021
- IX. **Testing Performance of Assembly Workers by Use of Dexterity Tests and Eye-Tracking System**  
ULUTAŞ B., ÖZKAN N. F.  
in: Advances in Engineering Research, Victoria M. Petrova, Editor, NOVA Science Publishers Inc. , New York, pp.167-184, 2021
- X. **Forming Zones in a Tandem Design AGV System Based on Cell Formation Principles**  
ULUTAŞ B.  
in: Advances in Mechanical Engineering in the Era of New Technologies, Jayanta Kumar Nath, Sasmeeta Tripathy, Bibhuti Bhusan Pradhan, Rajendra Prasad Mohanty, Editor, Siksha 'O' Anusandhan, Bhubaneswar, Odisha, pp.176-184, 2020
- XI. **A Novel to Approach to Quantify the Risk Probabilities for a Risk Analysis Methodology**  
Özkan N. F., Ulutaş B.  
in: Advances in Social Occupational Ergonomics, Goossens, Richard H.M., Editor, Springer, London/Berlin , New York, pp.341-347, 2016
- XII. **Contribution for analysing, saving and prioritising of lessons learned issues regarding product improvement and future product generations**  
Bracke S., Inoue M., ULUTAŞ B.  
in: Procedia CIRP, Seliger G, Kohl H, Mallon J, Editor, Elsevier, Amsterdam, pp.179-184, 2016
- XIII. **Assessing medicine labels to improve usability**  
ULUTAŞ B., ÖZKAN N. F.  
in: Advances in Human Aspects of Healthcare, Vincent Duffy, Nancy Lightner, Editor, AHFE Conference 2014, pp.559-567, 2014

**XIV. Assessing Medicine Labels to Improve Usability**

Ulutaş B., Özkan N. F.

in: Advances in Human Aspects of Healthcare, Vincent Duffy, Nancy Lightner, Editor, CRC, New York, New York, pp.559-567, 2014

**XV. İmalat Süreçleri**

DOĞAN E., ULUTAŞ B.

Seçkin, 2011

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **A Human-Robot Collaboration Workstation Design to Assess Worker Physical Workload with JACK Software**  
ULUTAŞ B., YETKİN B. N.  
8th International Scientific-Technical Conference Manufacturing, MANUFACTURING 2024, Poznan, Poland, 14 - 16 May 2024, pp.43-56
- II. **Assessing the Effectiveness and Efficiency of Selected Solution Approaches for Two-Dimensional Stock Cutting Problems (Part I): Case Study Printed Circuit Boards**  
ULUTAŞ B., Ioannou G., Bracke S.  
8th International Scientific-Technical Conference Manufacturing, MANUFACTURING 2024, Poznan, Poland, 14 - 16 May 2024, pp.107-121
- III. **A Skill-Based MILP Model in Cellular Manufacturing Systems with Human-Robot Collaboration**  
YETKİN B. N., ULUTAŞ B.  
10th IFAC Triennial Conference on Manufacturing Modelling, Management and Control (MIM), Nantes, France, 22 - 24 June 2022, vol.55, pp.1728-1733
- IV. **The changing role of humans in new manufacturing systems**  
ULUTAŞ B.  
International Conference on Industrial Engineering and Management (ICIEM 2021), Jaipur, India, 17 - 19 December 2021
- V. **A Literature Review on Human-Robot Collaborative Environments Considering Ergonomics**  
Yetkin B. N., Ulutaş B.  
GJCIE 2021 Virtual Global Joint Conference on Industrial Engineering and Its Application Areas, 30 October 2021
- VI. **A Worker Assignment and Assembly Line Balancing Model Considering Workforce Ageing**  
Yetkin B. N., Ulutaş B.  
26th ICPR (Virtual Conference) - Taichung, Taiwan Intelligent and Transformative Production in Pandemic Times, 18 - 21 July 2021
- VII. **ROSA and a questionnaire based approach to assess job satisfaction of office workers**  
ULUTAŞ B., ÖZKAN N. F.  
5th International Conference on Engineering Sciences, 19 September 2019
- VIII. **Considering product life cycle stages and worker skill level in seru production systems**  
Süer A. G., ULUTAŞ B., Kaku I., Yin Y.  
25th International Conference on Production Research Manufacturing Innovation: Cyber Physical Manufacturing, Chicago, United States Of America, 9 - 14 August 2019
- IX. **Sustainability versus efficiency of manufacturing process: structured comparison of two high precision fine grinding process**  
Radetzky M., Grams L., Bracke S., ULUTAŞ B.  
25th International Conference on Production Research Manufacturing Innovation: Cyber Physical Manufacturing, Chicago, United States Of America, 9 - 14 August 2019
- X. **Efficiency and effectivity of high precision grinding manufacturing processes: An approach based on combined DEA and cluster analyses**  
Bracke S., Radetzky M., Rosebrock C., ULUTAŞ B.

12th CIRP Conference on Intelligent Computation in Manufacturing Engineering (CIRP ICME), Naples, Italy, 18 - 20 July 2018, vol.79, pp.292-297

- XI. **Basic structure of lessons learned approach to improve manufacturing processes: A case study**  
Bracke S., Ulutas B.  
9th IFAC/IFIP/IFORS/IIEE/INFORMS Conference on Manufacturing Modelling, Management and Control (IFAC MIM), Berlin, Germany, 28 - 30 August 2019, vol.52, pp.1010-1015
- XII. **The contest of knowledge, machine and human factors in Industry 4.0**  
ULUTAŞ B.  
The 60th Diamond Jubilee National Convention of IIE and International Conference on "Role of Industrial Engineering in Industry 4.0 Paradigm" (ICIEIND), Bhubaneswar, India, 27 - 30 October 2018
- XIII. **Assessing work related musculoskeletal disorders in metal industry**  
ULUTAŞ B., ÖZKAN N. F., KAHYA E.  
UGAL International Conference - Multidisciplinary HUB for Higher Education Internationalization by Means of Innovative Interaction with the Labour Market and Society, 26 - 27 October 2018
- XIV. **Forming zones in a tandem design AGV system based on cell formation principles**  
ULUTAŞ B.  
The 60th Diamond Jubilee National Convention of IIE and International Conference on "Role of Industrial Engineering in Industry 4.0 Paradigm" (ICIEIND), Bhubaneswar, India, 27 - 30 September 2018
- XV. **Improving the interior design of an overhead crane cabin: a steel industry case**  
Ulutas I. B., ULUTAŞ B.  
31th International Seminar of Ergonomics (ISET 2018), Poznan, Poland, 23 - 25 May 2018
- XVI. **Occupational risk assessment for coil slitting set up operators**  
ULUTAŞ B., Ulutas I. B.  
31th International Seminar of Ergonomics (ISET 2018), Poznan, Poland, 23 - 25 May 2018
- XVII. **Assessing musculoskeletal discomfort of forklift drivers in a warehouse**  
ULUTAŞ B., ÖZKAN N. F.  
2nd International Mediterranean Science and Engineering Congress, Adana, Turkey, 25 - 27 October 2017
- XVIII. **Assesing Knowledge and Behaviour of Medicine Leaflets Use for University Studends**  
ÖZKAN N. F., ULUTAŞ B.  
3RD INTERNATIONAL RESEARCHERS, STATISTICIANS AND YOUNG STATISTICIANS CONGRESS, 24 - 26 May 2017
- XIX. **From the Point of a Tower Crane Operator's View: Use of an Eye-Tracker in Construction Sites**  
ULUTAŞ B., ÖZKAN N. F.  
The 2nd Asian Conference on Ergonomics and Design (ACED) 2017, 1 - 04 June 2017
- XX. **Assessing physical and environmental factors in a home appliance manufacturing facility**  
ULUTAŞ B.  
2nd Asian Conference on Ergonomics and Design (ACED), Chiba, Japan, 1 - 04 June 2017
- XXI. **Concept for analysing product sustainability regarding eco-related product perception and efficiency within a product spectrum**  
Bracke S., ULUTAŞ B., Rosebrock C.  
14th Global Conference on Sustainable Manufacturing (GCSM), Stellenbosch, South Africa, 3 - 05 October 2016, vol.8, pp.28-35
- XXII. **Assessing sustainable manufacturing related problems for marble facilities: an application**  
Ayber S., ULUTAŞ B.  
14th Global Conference on Sustainable Manufacturing (GCSM), Stellenbosch, South Africa, 3 - 05 October 2016, vol.8, pp.129-135
- XXIII. **A novel approach to quantify the risk probabilities for a risk analysis methodology**  
ÖZKAN N. F., ULUTAŞ B.  
AHFE 2016 International Conference, United States Of America, 27 - 31 July 2016
- XXIV. **A review of reverse logistics studies and assessing future trends for Turkey**  
Kocabaş M., ULUTAŞ B.  
Global Joint Conference on Industrial Engineering and Its Application Areas 2016, 14 - 15 July 2016

- XXV. **A Framework to Assign Forklift Drivers to Relevant Duties Based on Physical and Cognitive Factors**  
ÖZKAN N. F., ULUTAŞ B.  
Global Joint Conference on Industrial Engineering and Its Application Areas 2016, İstanbul, Turkey, 14 - 15 July 2016
- XXVI. **Türkiye'deki 81 ilin iş kazaları ve meslek hastalıkları açısından veri zarflama yöntemi ile değerlendirilmesi**  
ULUTAŞ B.  
17th International Symposium on Econometrics, Operations Research and Statistics, 2 - 04 May 2016
- XXVII. **Contribution for analysing, saving and prioritising of lessons learned issues regarding product improvement and future product generations**  
Bracke S., Inoue M., ULUTAŞ B.  
13th Global Conference on Sustainable Manufacturing - Decoupling Growth from Resource Use, Binh Dong New City, Vietnam, 16 - 18 September 2015, vol.40, pp.179-184
- XXVIII. **Use of an eye-tracker to assess workers in ceramic tile surface defect detection**  
Ozkan F., ULUTAŞ B.  
3rd International Conference on Control, Decision and Information Technologies (CoDIT), St Pauls Bay, Malta, 6 - 08 April 2016, pp.88-91
- XXIX. **Robust cell design with product life cycle consideration**  
ULUTAŞ B., AHMET GÜRSEL S.  
45th Computers and Industrial Engineering Conference, Metz, France, 28 - 30 October 2015
- XXX. **Methods of Manufacturing Planning Prevention of failures Simulation Tools**  
ULUTAŞ B.  
1st Symposium on Computational Reliability Engineering (CRE) in Product Development and Manufacturing, Düsseldorf, Germany, 21 - 23 October 2015
- XXXI. **Dijital Ortamdaki İlaç Prospektüslerinin Göz Takip Cihazı ile Değerlendirilmesi**  
ULUTAŞ B., ÖZKAN N. F.  
21. Ulusal Ergonomi Kongresi, Turkey, 2 - 04 October 2015
- XXXII. **Dijital ortamdaki ilaç prospektüslerin göz takip cihazı ile değerlendirilmesi**  
ULUTAŞ B., ÖZKAN N. F.  
21. Ulusal Ergonomi Kongresi, Isparta, Turkey, 2 - 04 October 2015
- XXXIII. **Three phase approach for cellular design considering product life cycle stages**  
ULUTAŞ B., AHMET GÜRSEL S.  
15th IFAC/IEEE/IFIP/IFORS Symposium Information Control in Manufacturing (INCOM 2015), 11 - 13 May 2015
- XXXIV. **Evaluating ideal medicine leaflet design to enhance usability**  
ÖZKAN N. F., ULUTAŞ B.  
Joint International Symposium of 44th International Conference on Computers and Industrial Engineering and 9th International Symposium of Intelligent Manufacturing and Service Systems (CIE44 & IMSS'14), İstanbul, Turkey, 14 - 16 October 2014
- XXXV. **Assesing Undesirable outputs on the performance measurement of cement manufacturing facilities**  
ULUTAŞ B., ÖZKAN N. F.  
44th International Conference on Computers and Industrial Engineering, 14 - 16 October 2014
- XXXVI. **Assessing undesirable outputs on the performance measurement of cement manufacturing facilities**  
ULUTAŞ B., ÖZKAN N. F.  
Joint International Symposium of 44th International Conference on Computers and Industrial Engineering and 9th International Symposium of Intelligent Manufacturing and Service Systems (CIE44 & IMSS'14), İstanbul, Turkey, 14 - 16 October 2014
- XXXVII. **Assessing the number of cells for a cell formation problem**  
ULUTAŞ B.  
15th IFAC Symposium on Information Control Problems in Manufacturing, Ottawa, Canada, 11 - 13 May 2015, vol.48, pp.1122-1127
- XXXVIII. **Depo alanlarında vinç kullanımının ergonomik açıdan değerlendirilmesi**



- ÖZKAN N. F., ULUTAŞ B.  
20. Ulusal Ergonomi Kongresi, Ankara, Turkey, 26 - 28 September 2014
- XXXIX. **CDMF-RELSUS concept: Reliable and Sustainable products - Influences on design, manufacturing, layout integration and use phase**  
Bracke S., Inoue M., ULUTAŞ B., Yamada T.  
21st CIRP Conference on Life Cycle Engineering (CIRP LCE), Trondheim, Norway, 18 - 20 June 2014, vol.15, pp.8-13
- XL. **Maden ocaklarının ergonomik açıdan değerlendirilmesi bir uygulama**  
EZERCELİ Ö., ÖZKAN N. F., ULUTAŞ B.  
9. Endüstri - İşletme Mühendisliği Kurultayı, Eskişehir, Turkey, 06 December 2013 - 07 December 2014
- XLI. **İlaç Prospektüslerinin Kullanılabilirlik Açısından İncelenmesi ve Bir Uygulama**  
ÖZKAN N. F., ULUTAŞ B.  
19. Ulusal Ergonomi Kongresi, Turkey, 27 - 29 September 2013
- XLII. **Modeling and decision making for rug and carpet discard policies**  
ULUTAŞ B.  
Joint German Society for Operations Research (GOR) and British Operational Research Society Decision Analysis Special Interest Group (DASIG) Conference, Hamburg, Germany, 23 - 24 September 2013
- XLIII. **Assessing lean manufacturing implementations for an aviation company**  
ULUTAŞ B., ÖZCAN D.  
International IIE Conference, İstanbul, Turkey, 26 - 28 June 2013
- XLIV. **Assessing features of platform and derivative products in terms of similarity**  
AYDIN M., ULUTAŞ B.  
International IIE Conference, İstanbul, Turkey, 26 - 28 June 2013
- XLV. **Assessing working environment and stressors in a garment company**  
AYGÜN B., ÖZKAN N. F., ULUTAŞ B.  
International IIE Conference, İstanbul, Turkey, 26 - 28 June 2013
- XLVI. **Assesing working environment and stressorsin a garment company**  
AYGÜN B., ÖZKAN N. F., ULUTAŞ B.  
International IIE Confernce, 2013, 26 - 28 June 2013
- XLVII. **Kamu Binalarının Yürüme Engelliler için Ulaşılabilirlik Açısından İncelenmesi Eskişehir ve Kütahya Örneği**  
ÖZKAN N. F., ULUTAŞ B.  
18. Ulusal Ergonomi Kongresi, Turkey, 15 - 18 November 2012
- XLVIII. **Spor salonlarının ergonomi kuralları göz önünde bulundurularak değerlendirilmesi**  
ULUTAŞ B., ÖZKAN N. F.  
18. Ulusal Ergonomi Kongresi, Gaziantep, Turkey, 15 - 18 November 2012
- XLIX. **Assessing the critical factors for materials handling activities in sustainable manufacturing cement industry**  
ULUTAŞ B.  
10th Global Conference on Sustainable Manufacturing Towards Implementing Sustainable Manufacturing, İstanbul, Turkey, 31 October - 02 November 2012
- L. **Selecting the appropriate metal cutting fluids in sustainable manufacturing environments**  
ULUTAŞ B., NÜGÜ M. O.  
10th Global Conference on Sustainable Manufacturing Towards Implementing Sustainable Manufacturing, İstanbul, Turkey, 31 October - 02 November 2012
- LI. **A modified flexible bay and slicing structure for unequal area facilities**  
ULUTAŞ B.  
14th IFAC Symposium on Information Control Problems in Manufacturing, BUCHAREST, Romania, 23 - 25 May 2012
- LII. **Evaluating office layouts by considering ergonomic principles**  
ÖZKAN N. F., ULUTAŞ B.

25th Conference of European Chapter on Combinatorial Optimization (ECCO25), Antalya, Turkey, 26 - 28 April 2012

- LIII. **Cep Telefonlarından İnternete Erişimin Ergonomik Açından İncelenmesi**  
ULUTAŞ B., ÖZKAN N. F.  
17. Ulusal Ergonomi Kongresi, Turkey, 14 - 16 October 2011
- LIV. **ESOGÜ Endüstri Mühendisliği Bölümü Web Sitesinin Ergonomik Açından İncelenmesi ve Öneriler**  
ÖZKAN N. F., ULUTAŞ B.  
17. Ulusal Ergonomi Kongresi, Turkey, 14 - 16 October 2011
- LV. **ESOGU EM bölümü web sitesinin ergonomik açıdan değerlendirilmesi**  
ULUTAŞ B., ÖZKAN N. F.  
17. Ulusal Ergonomi Kongresi, Eskişehir, Turkey, 14 - 16 October 2011
- LVI. **Vardiyalı çalışma çizelgelerinin hemşireler için değerlendirilmesi**  
ULUTAŞ B., ÇETİNKAYA H.  
17. Ulusal Ergonomi Kongresi, Eskişehir, Turkey, 14 - 16 October 2011
- LVII. **Evaluating the effect of teaching strategies and learning styles to students success**  
ÖZKAN N. F., ULUTAŞ B.  
5th International Computer & Instructional Technologies Symposium, Elazığ, Turkey, 20 - 22 September 2011
- LVIII. **An application of SMED methodology**  
ULUTAŞ B.  
Proceedings of the International Conference on Industrial Engineering and Systems Management (ICIESM 2011), Paris, France, 27 - 29 July 2011
- LIX. **Assessing the relative performance of university departments teaching vs research**  
ULUTAŞ B.  
12th International Symposium on Econometrics Operations Research and Statistics, Denizli, Turkey, 26 - 29 May 2011
- LX. **Determining the parameters of MSG algorithm for multi period layout problem**  
ULUTAŞ B., SARAÇ T.  
2nd International Conference on Production and Industrial Engineering (CPIE-2010), 3 - 05 December 2010
- LXI. **Assessing the performance of bio inspired heuristics for single row layout problems**  
ULUTAŞ B., ULUTAŞ B. B.  
30. Ulusal Yöneylem Araştırması ve Endüstri Mühendisliği Kongresi (YAEM 2010), İstanbul, Turkey, 30 June - 02 July 2010
- LXII. **An analytical network process combined data envelopment analysis methodology to evaluate the performance of airports in Turkey**  
ULUTAŞ B., ULUTAŞ B. B.  
International Symposium on the Analytic Hierarchy Process 2009, PITTSBURGH, United States Of America, 30 July - 01 August 2009
- LXIII. **An analytical network process model to evaluate the nature based disasters at Turkey**  
ULUTAŞ B., SAĞIR M.  
International Symposium on the Analytic Hierarchy Process 2009, PITTSBURGH, United States Of America, 30 July - 01 August 2009
- LXIV. **Evaluating the global threats for humanity An analytical network process model**  
SAĞIR M., ULUTAŞ B.  
International Symposium on the Analytic Hierarchy Process 2009, PITTSBURGH, United States Of America, 30 July - 01 August 2009
- LXV. **A sub gradient algorithm to solve dynamic facility layout problem**  
ULUTAŞ B., SARAÇ T.  
The 5th International Symposium on Management, Engineering and Informatics (MEI 2009), 10 - 13 July 2009
- LXVI. **Which energy source to use A case study for Turkey**  
ULUTAŞ B., SAĞIR M.  
INFORMS, İstanbul, Turkey, 6 - 10 July 2003

- LXVII. **Evaluating the emotions of internet newspaper readers by kansei engineering**  
Aktar Demirtaş E., Ulutaş B.  
23rd European Conference on Operational Research (EURO2009), Bonn, Germany, 5 - 08 July 2009
- LXVIII. **A clonal selection algorithm for the quadratic multiple knapsack problem**  
SARAÇ T., ULUTAŞ B.  
23rd European Conference on Operational Research (EURO2009), Bonn, Germany, 5 - 08 July 2009
- LXIX. **A clonal selection algorithm for the quadratic mutiple knapsack problem**  
SARAÇ T., ULUTAŞ B.  
23rd European Conference on Operational Research (EURO2009), Bonn, Germany, 5 - 08 July 2009
- LXX. **The performance of clonal selection algorithm for cell formation problem compared to other nature based methods**  
ULUTAŞ B., İŞLİER A. A.  
4th International Conference of Group Technology/Cellular Manufacturing 2009, Kitakyushu, Japan, 16 - 18 February 2009
- LXXI. **A Clonal Selection Algorithm for Cell Formation Problem with Alternative Routings**  
ULUTAŞ B., SARAÇ T.  
International Symposium on Group Technology and Cellular Manufacturing (GT/CM2009), 16 - 18 February 2009
- LXXII. **İnternet gazetelerinin ana sayfa tasarımında ergonomik faktörlerin incelenmesi**  
ULUTAŞ B.  
14. Ulusal Ergonomi Kongresi, Trabzon, Turkey, 30 October - 01 November 2008
- LXXIII. **Dinamik yerlesim problemleri için geliştirilen klonal seçim algoritması Ayakkabı sektöründe uygulama**  
ULUTAŞ B., İŞLİER A. A.  
28.Ulusal Yöneylem ve Endüstri Mühendisliği Kongresi, İstanbul, Turkey, 30 June - 02 July 2008
- LXXIV. **Alternative layout procedures for multi period production environments**  
ULUTAŞ B., İŞLİER A. A.  
12th International Conference on Information Processing and Management of Uncertainty in Knowledge Based Systems (IPMU), Malaga, Spain, 22 - 27 June 2008
- LXXV. **Eskisehir Osmangazi Üniversitesi Endüstri Mühendisliği dersliklerinin ergonomik analizi**  
ULUTAŞ B., EROL D.  
13. Ulusal Ergonomi Kongresi, Kayseri, Turkey, 6 - 08 December 2007
- LXXVI. **Kombilerde kumanda panellerinin ergonomik değerlendirilmesi**  
AKSU Ö., ULUTAŞ B., EROL D.  
13. Ulusal Ergonomi Kongresi, Kayseri, Turkey, 6 - 08 December 2007
- LXXVII. **Tesis yerlesim problemlerinde klonal ve psikoklonal seçim algoritmaları**  
ULUTAŞ B., İŞLİER A. A.  
27.Ulusal Yöneylem ve Endüstri Mühendisliği Kongresi, İzmir, Turkey, 2 - 04 July 2007
- LXXVIII. **Parameter setting for clonal selection algorithm in facility layout problems**  
ULUTAŞ B., Islier A. A.  
International Conference on Computational Science and Its Applications (ICCSA 2007), Kuala-Lumpur, Malaysia, 26 - 29 August 2007, vol.4705, pp.886-889
- LXXIX. **Reallocation of the children according to their similarity dissimilarity a case study at the children protection society**  
ULUTAŞ B., KIRIŞ Ş.  
3rd International Conference of Group Technology/Cellular Manufacturing 2006, Groningen, Netherlands, 3 - 05 July 2006
- LXXX. **A data envelopment analysis approach to evaluate performance of manufacturing cells**  
KIRIŞ Ş., ULUTAŞ B.  
3rd International Conference of Group Technology/Cellular Manufacturing 2006, Groningen, Netherlands, 3 - 05 July 2006
- LXXXI. **An artificial immune system algorithm for single row layout problem**

- ULUTAŞ B., İŞLİER A. A.  
36th International Conference on Computers and Industrial Engineering, Taipei, Taiwan, 20 - 23 June 2006
- LXXXII. **Artificial immune systems for group technology**  
ULUTAŞ B.  
1st International symposium on bio-inspired computing, Johor-Bahru, Malaysia, 5 - 07 September 2005
- LXXXIII. **A new approach to the dynamic layout problem**  
ULUTAŞ B., İŞLİER A. A.  
35th International Conference on Computers and Industrial Engineering, İstanbul, Turkey, 19 - 22 June 2005
- LXXXIV. **Türkiye deki enerji kaynaklarının değerlendirilmesi ve tüketim yerlerine en uygun dağılımı**  
ULUTAŞ B.  
2. Ulusal Ege Enerji Sempozyumu ve Sergisi, Kütahya, Turkey, 26 - 28 May 2004
- LXXXV. **Group technology rationale to assign roommates in student dormitories**  
ULUTAŞ B., İŞLİER A. A.  
Group Technology/Cellular Manufacturing World Symposium 2003, Colombes, France, 28 - 30 July 2003
- LXXXVI. **A machine partition method in tandem design AGVS for real life applications**  
ULUTAŞ B., SAĞIR M.  
2nd International Conference on Responsive Manufacturing, Gaziantep, Turkey, 26 - 28 June 2002
- LXXXVII. **A review on AGV Systems**  
ULUTAŞ B., SAĞIR M.  
21.Ulusal Yöneyem ve Endüstri Mühendisliği Kongresi, Gazimagusa, Cyprus (Kktc), 12 - 14 June 2000
- LXXXVIII. **AGV Systems and Applications**  
ULUTAŞ B.  
Uluslararası Endüstri Mühendisliği Sempozyumu, İstanbul, Turkey, 10 - 13 March 1999

## Supported Projects

2017 - 2019	Metal Endüstrisinde Çevre Koşullarının Analizi, Project Supported by Higher Education Institutions
2014 - 2017	ZİHİNSEL VE FİZİKSEL ZORLANMANIN GÜVENLİ MALZEME AKTARMA FAALİYETLERİ AÇISINDAN DEĞERLENDİRİLMESİ, Project Supported by Higher Education Institutions
2015 - 2016	Stokastik Hücresel Üretim Ortamlarında Uygun Hücre Sayısının Belirlenmesi, Project Supported by Higher Education Institutions
2013 - 2016	Beşin Bilgisayar Arayüzü Kullanımı ile Zihinsel Performansın İncelenmesi, Project Supported by Higher Education Institutions
2012 - 2015	Malzeme aktarma sistemlerinin sürdürülebilir üretim için ekonomiklik çevre etkileri ve ergonomik performanslarının değerlendirilmesi, Project Supported by Higher Education Institutions
2012 - 2013	Malzeme Aktarma Sistemlerinin Sürdürülebilir Üretim için, Ekonomiklik, Çevre Etkileri ve Ergonomik Performanslarının Değerlendirilmesi, Project Supported by Higher Education Institutions

## Tasks In Event Organizations

01 Ekim 2021	Ulutaş B., 26. Ulusal Ergonomi Kongresi (UEK), Scientific Congress, Kırkkale, Turkey
24 Eylül 2021	Ulutaş B., Conference on Recent Advances in Mechanical Engineering Research and Development (ICRAMERD-2021), Scientific Congress, Bhubaneswar, India
13 Ağustos 2021	Ulutaş B., Global Joint Conference on Industrial Engineering and Its Application Areas (GJCIE 2021), Scientific Congress, Antalya, Turkey
18 Temmuz 2021	Ulutaş B., The Tenth International Conference on Intelligent Systems and Applications (INTELLI 2021), Scientific Congress, Nice, France

## Metrics

Publication: 138

Citation (WoS): 324

Citation (Scopus): 515

H-Index (WoS): 9

H-Index (Scopus): 11

## Invited Talks

December 2021	International Conference on Industrial Engineering and Management (ICIEM 2021), Conference, India
September 2018	The 60th Diamond Jubilee National Convention of IIE and International Conference on "Role of Industrial Engineering in Industry 4.0 Paradigm" (ICIEIND), Conference, Siksha 'O' Anusandhan (Deemed to be University), Bhubaneswar, India