

Prof. EMİN KAHYA

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Anadolu University, Institute Of Science, Endüstri Mühendisliği (Dr), Turkey 1985 - 1992

Postgraduate, Anadolu University, Institute Of Science, Endüstri Mühendisliği (YI) (Tezli), Turkey 1983 - 1985

Undergraduate, Anadolu University, Faculty Of Engineering-Architecture, Department Of Industrial Engineering, Turkey 1979 - 1983

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Kapasite artış planlaması problemine fayda fonksiyonu yaklaşımı, Anadolu University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (Dr), 1992

Research Areas

Ergonomics and Occupational Safety, Engineering Economics

Academic Titles / Tasks

Professor, Eskişehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Endüstri Mühendisliği Bölümü, 1985 - Continues

Academic and Administrative Experience

Eskişehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Endüstri Mühendisliği Bölümü, 2017 - Continues

Eskişehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, 2015 - 2017

Eskişehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, 2012 - 2015

Courses

Undergraduate

Occupational Health and Safety , Undergraduate, 2020 - 2021

Engineering Economy , Undergraduate, 2020 - 2021

System Design, Undergraduate, 2020 - 2021

Yatırım Analizi , Undergraduate, 2020 - 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A bi-objective ergonomic assembly line balancing model with conic scalarization method**
YETKİN B. N., KAHYA E.
Human Factors and Ergonomics In Manufacturing, vol.32, no.6, pp.494-507, 2022 (SCI-Expanded)
- II. **Assessment of musculoskeletal disorders among employees working office workplaces in the manufacturing sector**
KAHYA E.
Work, vol.69, no.3, pp.1103-1113, 2021 (SSCI)
- III. **Improving the rapid office strain assessment method with an integrated multi-criteria decision making approach**
KILIÇ DELİCE E., Can G. F., KAHYA E.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.35, no.3, pp.1297-1314, 2020 (SCI-Expanded)
- IV. **Mismatch between classroom furniture and anthropometric measures of university students**
KAHYA E.
INTERNATIONAL JOURNAL OF INDUSTRIAL ERGONOMICS, vol.74, 2019 (SCI-Expanded)
- V. **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)
- VI. **Classification of BCI Users Based on Cognition**
ÖZKAN N. F., KAHYA E.
COMPUTATIONAL INTELLIGENCE AND NEUROSCIENCE, 2018 (SCI-Expanded)
- VII. **Assessing ergonomic risks in an university's administrative offices**
ÖZKAN N. F., KAHYA E.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.32, no.1, pp.141-150, 2017 (SCI-Expanded)
- VIII. **The effects of job performance on effectiveness**
Kahya E.
INTERNATIONAL JOURNAL OF INDUSTRIAL ERGONOMICS, vol.39, no.1, pp.96-104, 2009 (SCI-Expanded)
- IX. **Ransom E. and the job evaluation group (2007) - Response**
Kahya E.
JOURNAL OF ADVANCED NURSING, vol.60, no.5, pp.572-573, 2007 (SCI-Expanded)
- X. **Determination of optimum insulation thicknesses of the external walls and roof (ceiling) for Turkey's different degree-day regions**
Sisman N., Kahya E., Aras N., ARAS H.
ENERGY POLICY, vol.35, no.10, pp.5151-5155, 2007 (SCI-Expanded)
- XI. **The effects of job characteristics and working conditions on job performance**
Kahya E.
INTERNATIONAL JOURNAL OF INDUSTRIAL ERGONOMICS, vol.37, no.6, pp.515-523, 2007 (SCI-Expanded)
- XII. **A modified Secant method for unconstrained optimization**

- Kahya E., Chen J.
APPLIED MATHEMATICS AND COMPUTATION, vol.186, no.2, pp.1000-1004, 2007 (SCI-Expanded)
- XIII. **A class of exponential quadratically convergent iterative formulae for unconstrained optimization**
Kahya E.
APPLIED MATHEMATICS AND COMPUTATION, vol.186, no.2, pp.1010-1017, 2007 (SCI-Expanded)
- XIV. **A revision of a job evaluation system**
Kahya E.
JOURNAL OF ADVANCED NURSING, vol.56, no.3, pp.314-324, 2006 (SCI-Expanded)
- XV. **Modified Secant-type methods for unconstrained optimization**
Kahya E.
APPLIED MATHEMATICS AND COMPUTATION, vol.181, no.2, pp.1349-1356, 2006 (SCI-Expanded)
- XVI. **Comment on titled "An improvement on Fibonacci search method in optimization theory"**
Kahya E.
APPLIED MATHEMATICS AND COMPUTATION, vol.173, no.2, pp.753-756, 2006 (SCI-Expanded)
- XVII. **A new unidimensional search method for optimization: The 5/9 method**
Kahya E.
APPLIED MATHEMATICS AND COMPUTATION, vol.171, no.1, pp.163-179, 2005 (SCI-Expanded)
- XVIII. **A new unidimensional search method for optimization: Linear interpolation method**
Kahya E.
APPLIED MATHEMATICS AND COMPUTATION, vol.171, no.2, pp.912-926, 2005 (SCI-Expanded)
- XIX. **Comment on titled "On Fibonacci search method with k-Lucas numbers"**
Kahya E.
APPLIED MATHEMATICS AND COMPUTATION, vol.162, no.3, pp.1321-1324, 2005 (SCI-Expanded)

Articles Published in Other Journals

- I. **EVALUATION OF ENERGY CONSUMPTION WITH PHYSICAL WORKLOAD DETECTED BY ERGONOMIC RISK ASSESSMENT METHODS**
KAHYA E., ÖZGEN C., JORAYEVA N.
Eskişehir Osmangazi Üniversitesi mühendislik ve mimarlık fakültesi dergisi (online), vol.32, no.2, pp.1315-1325, 2024 (Peer-Reviewed Journal)
- II. **Büyük Ölçekli Bir Üretim İşletmesinin Ofislerinde Risk Değerlendirmesi.**
KAHYA E., ADA G., ÇETİNKAYA Ö.
Eskişehir Osmangazi Üniversitesi Mühendislik ve Mimarlık Fakültesi Dergisi, vol.29, no.1, pp.97-109, 2021 (Peer-Reviewed Journal)
- III. **Ergonomik Montaj Hattı Dengeleme Problemine Farklı Çözüm Yaklaşımları**
KAHYA E., YETKİN B. N.
Endüstri Mühendisliği, vol.32, no.2, pp.217-234, 2021 (Peer-Reviewed Journal)
- IV. **Seramik Sektöründe Çevre Koşullarının Analizi**
KAHYA E.
Eskişehir Osmangazi Üniversitesi Mühendislik ve Mimarlık Fakültesi Dergisi, vol.28, no.2, pp.136-142, 2020 (Peer-Reviewed Journal)
- V. **Bir Metal Sanayi İşletmesinde Fiziksel Zorlanmaların Kas İskelet Sistemi Rahatsızlıklarına Etkisi**
KAHYA E.
Endüstri Mühendisliği, vol.31, no.2, pp.148-158, 2020 (Peer-Reviewed Journal)
- VI. **Work-Related Injuries And Exposures Among Emergency Medical Service Personnel Due To Interior Design Of Ambulance**
KAHYA E., Sakarya S., Özkan H., ANIK N.
ESTÜDAM Halk Sağlığı Dergisi, vol.5, no.2, pp.257-269, 2020 (Peer-Reviewed Journal)
- VII. **Ambulans Çalışanlarının Kas İskelet Sistemi Rahatsızlıklarının Değerlendirilmesi**

- KAHYA E., Sakarya S.
Ergoterapi ve Rehabilitasyon Dergisi, vol.8, no.2, pp.99-106, 2020 (Peer-Reviewed Journal)
- VIII. **JANT SEKTÖRÜNDE QEC ve REBA YÖNTEMLERİYLE ERGONOMİK RİSK DEĞERLENDİRMESİ**
KAHYA E., Sema S.
Karaelmas İş Sağlığı ve Güvenliği Dergisi, vol.3, pp.83-96, 2019 (Peer-Reviewed Journal)
- IX. **ERGONOMİK MONTAJ HATTI DENGEME İÇİN YENİ BİR MODEL ÖNERİSİ**
KAHYA E., ŞAHİN B. N.
Mühendislik Bilimleri ve Tasarım Dergisi, vol.7, no.4, pp.767-778, 2019 (Peer-Reviewed Journal)
- X. **A Wage Scheme Based on Job and Performance Evaluations**
KAHYA E.
Journal of Industrial Engineering, vol.30, no.3, pp.187-203, 2019 (Peer-Reviewed Journal)
- XI. **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)
- XII. **METAL ENDÜSTRİSİNDE KİŞİSEL KORUYUCU DONANIM KULLANIMININ ANALİZİ**
Kahya E., Ulutaş B., Özkan N. F.
Selcuk University Journal of Engineering ,Science and Technology, vol.7, no.2, pp.420-433, 2019 (Peer-Reviewed Journal)
- XIII. **SERAMİK SEKTÖRÜNDE TAŞIMA İŞLEMLERİNDE ERGONOMİK RİSK ANALİZİ**
KAHYA E., ÇİÇEK E.
Ergoterapi ve Rehabilitasyon Dergisi, vol.7, no.1, pp.47-58, 2019 (Peer-Reviewed Journal)
- XIV. **Soba Montaj Hattında Ergonomik Risk Değerlendirmesi**
Kahya E., Acar Ş. B., Şahin D., Sarıççek İ.
Eskişehir Osmangazi Üniversitesi Mühendislik ve Mimarlık Fakültesi Dergisi, vol.27, no.1, pp.21-39, 2019 (Peer-Reviewed Journal)
- XV. **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)
- XVI. **HEDEF PROGRAMLAMA MODELİ İLE ERGONOMİK KISITLAR ALTINDA MONTAJ HATTI DENGEMESİ**
ŞAHİN B. N., KAHYA E.
Mühendislik Bilimleri ve Tasarımı Dergisi, vol.6, pp.188-196, 2018 (Peer-Reviewed Journal)
- XVII. **Kabin Üretimi Yapan Bir İşletmenin Kaynak Atölyesinde İş Sağlığı Ve Güvenliği Risk Değerlendirmesi**
AYDIN F., ÇİDEM Ç., KAHYA E.
Ergonomi, vol.1, no.3, pp.137-147, 2018 (Peer-Reviewed Journal)
- XVIII. **Nöroloji Yoğun Bakım Ünitesinde Çalışan Hemşirelerin Maruz Kaldığı Fiziksel Zorlanmaların Analizi**
KAHYA E., GÜRLEYEN E., GÜLBANDILAR S.
Ergonomi, vol.1, no.1, pp.39-48, 2018 (Peer-Reviewed Journal)
- XIX. **Bir Yüksek Öğretim Kurumunda Öğrenci Sıralarının Uygunluğunun Analizi,**
KAHYA E., ÜNLÜER G., GÜZELDAL Z., DEMİRCİ Z. Ö.
Ergonomi, vol.1, no.2, pp.59-76, 2018 (Peer-Reviewed Journal)
- XX. **BİR MOBİLYA İŞLETMESİNİN MONTAJ HATTINDA ERGONOMİK RİSK ANALİZİ**
ÇİÇEK E., KAZANÇ N., KAHYA E.
Mühendislik Bilimleri ve Tasarımı Dergisi, vol.6, pp.67-82, 2018 (Peer-Reviewed Journal)
- XXI. **THE EFFECTS OF INTERPERSONAL AFFECT AND OPPORTUNITY TO OBSERVE ON RATINGS IN MULTI-SOURCE ASSESSMENT PROCESS.**
KAHYA E.
Süleyman Demirel Üniversitesi İktisadi ve İdari Bilimler Fakültesi Dergisi, vol.23, no.4, pp.1505-1519, 2018 (Peer-Reviewed Journal)
- XXII. **MEASUREMENT OF CLINICAL NURSE PERFORMANCE: DEVELOPING A TOOL INCLUDING CONTEXTUAL ITEMS**
KAHYA E., ORAL N.

- Journal of Nursing Education and Practice, vol.8, no.6, pp.112-123, 2018 (Peer-Reviewed Journal)
- XXIII. **A wage model consisted of job evaluation employee characteristics and job performance**
KAHYA E.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.24, no.4, pp.720-729, 2018 (ESCI)
- XXIV. **APPLICABLE PERFORMANCE CRITERIA TO EVALUATE CLINICAL NURSES**
KAHYA E., ORAL N.
Hacettepe Sağlık İdaresi Dergisi, vol.21, no.2, pp.289-304, 2018 (Peer-Reviewed Journal)
- XXV. **PERSONEL DEĞERLEME SİSTEMİ İÇİN KARAR DESTEK SİSTEMİ TASARIMI**
KAHYA E., TÜRKOĞLU M.
Süleyman Demirel Üniversitesi İktisadi ve İdari Bilimler Fakültesi Dergisi, vol.23, no.3, pp.937-960, 2018 (Peer-Reviewed Journal)
- XXVI. **Evaluation Of The Classroom Furniture For University Students**
KAHYA E.
Eskişehir Osmangazi Üniversitesi Mühendislik ve Mimarlık Fakültesi Dergisi, vol.26, no.1, pp.20-29, 2018 (Peer-Reviewed Journal)
- XXVII. **KOMBİ MONTAJ HATTINDA ERGONOMİK RİSK ANALİZİ**
KAHYA E., GÜRLEYEN E.
Mühendislik Bilimleri ve Tasarımı Dergisi, vol.6, no.0, pp.58-66, 2018 (Peer-Reviewed Journal)
- XXVIII. **ERGONOMİK RİSK KISITLARI ALTINDA YENİ BİR MONTAJ HATTI DENGEME MODELİ GELİŞTİRİLMESİ**
KAHYA E., ŞAHİN B. N., DAŞDELEN E., DOĞRU S.
Mühendislik Bilimleri ve Tasarım Dergisi, vol.6, pp.49-57, 2018 (Peer-Reviewed Journal)
- XXIX. **BİR METAL SANAYİ İŞLETMESİNDE ERGONOMİK RİSK ANALİZİ.**
ÖZOĞUL B., ÇİMEN B., KAHYA E.
Mühendislik Bilimleri ve Tasarımı Dergisi, vol.6, pp.159-175, 2018 (Peer-Reviewed Journal)
- XXX. **An Investigation on the Ratings from Four Sources for Different Positions in a 360 Degree Feedback System**
KAHYA E., ÇEMREK F.
ESKİSEHIR OSMANGAZI UNIVERSITESI IIBF DERGISI-ESKİSEHIR OSMANGAZI UNIVERSITY JOURNAL OF ECONOMICS AND ADMINISTRATIVE SCIENCES, vol.12, no.3, pp.49-64, 2017 (ESCI)
- XXXI. **An Experiment in Use of Brain Computer Interfaces for Cognitive Researches**
ÖZKAN N. F., KAHYA E.
International Journal of Intelligence Science, vol.5, pp.80-88, 2015 (Peer-Reviewed Journal)
- XXXII. **Revising the Metal Industry Job Evaluation System for Blue Collar Jobs**
KAHYA E.
Compensation & Benefits Review, vol.38, no.6, pp.49-63, 2006 (Peer-Reviewed Journal)
- XXXIII. **A New Unidimensional Serach Method for Optimization The Tangential Interpolation**
KAHYA E.
International Journal of Applied Mathematics, vol.1, no.7, pp.711-724, 1999 (Peer-Reviewed Journal)

Books

- I. **Mühendislik Ekonomisi**
Kahya E.
Üniversite Yayınları, Eskişehir, 2020
- II. **Work Study**
Kahya E.
Üniversite Yayınları, Eskişehir, 2020
- III. **İŞ GÜVENLİĞİ**

KAHYA E., ÖZKAR D.

DORLİON Yayın Evi, Eskişehir, 2018

IV. İş Etüdü

KAHYA E.

ESOGÜ Yayın No : 253, Eskişehir, 2017

V. Mühendislik Ekonomisi

KAHYA E.

ESOGU yayın No : 248, Eskişehir, 2017

VI. İş Güvenliği

KAHYA E., ÖZKAR D.

ESOGU Yayın No : 246, Eskişehir, 2014

VII. Measurement of Cognitive Workload by Use of Combined Methods Including Brain-Computer Interfaces

Özkan N. F., Kahya E.

in: Advances in Social and Organizational Factors, Peter Vink, Editor, CRC, New York , New York, pp.458-468, 2014

Papers Published in Refereed Scientific Meetings

I. 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

II. Montaj Hattında Ergonomik İnceleme ve Düzenlemeler

KAHYA E., Eryiğit B., Cerit M., ÖZKAN N. F.

21. Ulusal Ergonomi Kongresi, Turkey, 2 - 04 October 2015

III. Beyin Bilgisayar Arayüzlerinin Bilişsel Durum Takibinde Kullanımı

ÖZKAN N. F., KAHYA E.

20. Ulusal Ergonomi Kongresi, Turkey, 26 - 28 September 2014

IV. Bir mobilya Fabrikasında Postür analizi

Demir A., Durkaya E., KAHYA E., ÖZKAN N. F.

20. Ulusal Ergonomi Kongresi, Turkey, 26 September 2014 - 28 September 2013

Supported Projects

KAHYA E., Project Supported by Higher Education Institutions, Sinirsel Geri Bildirim Yaklaşımıyla Bilişsel Performansın İncelenmesi, 2013 - 2015

Metrics

Publication: 63

Citation (WoS): 306

Citation (Scopus): 457

H-Index (WoS): 5

H-Index (Scopus): 7

Non Academic Experience

Eskişehir Jant A.Ş. , Planlama Şefi