

Prof. ONURALP ULUER

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Makine Eğitimi (Dr), Turkey 2002 - 2009

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Makine Eğitimi (YI) (Tezli), Turkey 1999 - 2002

Undergraduate, Gazi University, Teknik Eğitim Fakültesi, Makine Eğitimi Bölümü, Turkey 1994 - 1998

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Enjeksiyonla kalıplamda üç boyutlu polimer ergiyik akışların sayısal analizi ve deneysel incelenmesi, Gazi University, Fen Bilimleri Enstitüsü, Makine Eğitimi (Dr), 2009

Postgraduate, Enjeksiyonla kalıplamda üç boyutlu polimer ergiyik akışların sayısal analizi ve deneysel incelenmesi, Gazi University, Fen Bilimleri Enstitüsü, Makine Eğitimi (YI) (Tezli), 1950

Research Areas

Chemical Engineering and Technology, Construction and Manufacturing, Mechanical, Metallurgical and Materials Engineering, Material science and engineering

Academic Titles / Tasks

Professor, Gazi University, Teknoloji Fakültesi, İmalat Mühendisliği, 2020 - 2030

Associate Professor, Gazi University, Teknik Eğitim Fakültesi, Makina Eğitimi, 2011 - 2012

Research Assistant, Gazi University, Teknik Eğitim Fakültesi, Makina Eğitimi, 2000 - 2009

Academic and Administrative Experience

Assistant Director of Vocational School, Gazi University, Teknik Bilimler Meslek Yüksekokulu, 2014 - Continues

Assistant Director of Vocational School, Gazi University, Gazi Meslek Yüksekokulu, 2012 - 2014

Advising Theses

- ULUER O., Flow Balancing In Plastic Extrusion Dies, Postgraduate, G.KOŞ(Student), 2019
- ULUER O., Creating Of Polymer Material Characterization Setup With Plastic Extrusion Machine, Postgraduate, B.CİVELEK(Student), 2019
- ULUER O., Characterization Of Polypropylene Material For Carbondioxide Cell Production, Postgraduate, Ü.AĞBULUT(Student), 2018
- ÖZDEMİR A., ULUER O., Plastik ürünler için toleransların, kontrol edilebilen enjeksiyonla kalıplama değişkenleriyle teorik ve deneysel ilişkilendirilmesi, Doctorate, S.TAGHIZADEH(Student), 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The effects of local heating on springback behaviour in v bending of galvanized DP600 sheet**
KARAAĞAÇ İ., Onel T., ULUER O.
IRONMAKING & STEELMAKING, vol.47, no.7, pp.807-813, 2020 (SCI-Expanded)
- II. **Experimental analysis of cooling and heating performance of serial and parallel connected counter-flow Ranque-Hilsch vortex tube systems using carbon dioxide as a working fluid**
KAYA H., ULUER O., Kocaoglu E., KIRMACI V.
INTERNATIONAL JOURNAL OF REFRIGERATION-REVUE INTERNATIONALE DU FROID, vol.106, pp.297-307, 2019 (SCI-Expanded)
- III. **The formability and springback characterization of laser-welded DP-HSLA sheets**
Aydin K., KARAAĞAÇ İ., ULUER O.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.125, no.8, 2019 (SCI-Expanded)
- IV. **Experimental Study About Performance Analysis of Parallel Connected Ranque-Hilsch Counter Flow Vortex Tubes With Different Nozzle Numbers and Materials**
KAYA H., Gunver F., ULUER O., KIRMACI V.
JOURNAL OF HEAT TRANSFER-TRANSACTIONS OF THE ASME, vol.140, no.11, 2018 (SCI-Expanded)
- V. **Warpage prediction in plastic injection molded part using artificial neural network**
SAMAD T., ÖZDEMİR A., ULUER O.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY - TRANSACTIONS OF MECHANICAL ENGINEERING, vol.37, no.M2, pp.149-160, 2013 (SCI-Expanded)
- VI. **Warpage prediction in plastic injection molded part using artificial neural network**
Taghizadeh S., Ozdemir A., Uluer O.
Iranian Journal of Science and Technology - Transactions of Mechanical Engineering, vol.37, no.M2, pp.149-160, 2013 (SCI-Expanded)
- VII. **An Experimental Investigation of Performance and Exergy Analysis of a Counterflow Vortex Tube Having Various Nozzle Numbers at Different Inlet Pressures of Air, Oxygen, Nitrogen, and Argon**
KIRMACI V., ULUER O., DİNÇER K.
JOURNAL OF HEAT TRANSFER-TRANSACTIONS OF THE ASME, vol.132, no.12, 2010 (SCI-Expanded)
- VIII. **Using the artificial neural network model for modeling the performance of the counter flow vortex tube**
ULUER O., KIRMACI V., ATAŞ Ş.
EXPERT SYSTEMS WITH APPLICATIONS, vol.36, no.10, pp.12256-12263, 2009 (SCI-Expanded)
- IX. **Optimization of counter flow Ranque-Hilsch vortex tube performance using Taguchi method**
PİNAR A. M., ULUER O., KIRMACI V.
INTERNATIONAL JOURNAL OF REFRIGERATION-REVUE INTERNATIONALE DU FROID, vol.32, no.6, pp.1487-1494, 2009 (SCI-Expanded)
- X. **An Experimental Investigation of the Cold Mass Fraction, Nozzle Number, and Inlet Pressure Effects on Performance of Counter Flow Vortex Tube**
KIRMACI V., ULUER O.
JOURNAL OF HEAT TRANSFER-TRANSACTIONS OF THE ASME, vol.131, no.8, 2009 (SCI-Expanded)

- XI. **The Numerical Analysis of a Mold Cavity Filling Using the Finite Control Volume Method and Comparison to the Experimental Results**
 GÜLDAŞ A., ULUER O., ÖZDEMİR A.
 POLYMER-PLASTICS TECHNOLOGY AND ENGINEERING, vol.48, no.4, pp.389-396, 2009 (SCI-Expanded)
- XII. **Statistical assessment of counter-flow vortex tube performance for different nozzle numbers, cold mass fractions, and inlet pressures via taguchi method**
 Pinar A. M., Uluer O., Kirmaci V.
 Experimental Heat Transfer, vol.22, no.4, pp.271-282, 2009 (SCI-Expanded)
- XIII. **The effects of orifice nozzle number on heating and cooling performance of vortex tubes: An experimental study**
 Kirmaci V., ULUER O.
 INSTRUMENTATION SCIENCE & TECHNOLOGY, vol.36, no.5, pp.493-502, 2008 (SCI-Expanded)
- XIV. **Flow front advancement of molten thermoplastic materials during filling stage of a mold cavity**
 Ozdemir A., Uluer O., Guldas A.
 Polymer Testing, vol.23, no.8, pp.957-966, 2004 (SCI-Expanded)

Articles Published in Other Journals

- I. **Genleştirilmiş perlitin ısı yalıtılm teknolojilerinde kullanılabilirliğinin incelenmesi**
 ULUER O., KARAAĞAÇ İ., AKTAŞ M., DURMUŞ G., AĞBULUT Ü., KHANLARI A., ÇELİK D. N.
 Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, vol.24, no.1, pp.36-42, 2018 (Peer-Reviewed Journal)
- II. **Mathematical calculation and experimental investigation of expanded perlite based heat insulation materials' thermal conductivity values**
 Uluer O., Aktas M., KARAAĞAÇ İ., DURMUŞ G., Khanlari A., Agbulut U., Celik D. N.
 Journal of Thermal Engineering, vol.4, no.5, pp.2274-2286, 2018 (Scopus)
- III. **An investigation of usability of expanded perlite in heat insulation technologies**
 ULUER O., KARAAĞAÇ İ., AKTAŞ M., DURMUŞ G., Agbulut U., Khanlari A., ÇELİK D. N.
 PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BİLİMLERİ DERGİSİ, vol.24, no.1, pp.36-42, 2018 (ESCI)
- IV. **Experimental investigation of effect of process parameters on springback in v bending process**
 KARAAĞAÇ İ., ULUER O.
 PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BİLİMLERİ DERGİSİ, vol.23, no.8, pp.990-993, 2017 (ESCI)
- V. **An Experimental Investigation of the Lubrication Effects on Formability In Warm Deep Drawing**
 Sen N., Kurgan N., KARAAĞAÇ İ., ULUER O.
 JOURNAL OF POLYTECHNIC-POLITEKNIK DERGİSİ, vol.19, no.2, pp.185-193, 2016 (ESCI)
- VI. **İlk Derin Çekme Prosesinde Yağlayıcı Etkisinin Şekillendirilebilirlik Açısından Deneysel Araştırılması**
 SEN N., KURGAN N., KARAAĞAÇ İ., ULUER O.
 Politeknik Dergisi, vol.19, no.2, pp.185-193, 2016 (Peer-Reviewed Journal)
- VII. **The Approaches to Determine of Heat Transfer Coefficient for Composite Thermal Insulation Panel**
 Karaağaç İ., Durmuş G., Uluer O., Aktaş M., Tülü F. A.
 El-Cezeri Journal of Science and Engineering, vol.3, no.1, pp.133-142, 2016 (Scopus)
- VIII. **The effect of the processing parameters on frozen layer formation in injection molding Enjeksiyonla kaliplamada işleme parametrelerinin katılmış katman oluşumuna etkisi**
 Uluer O.
 Journal of the Faculty of Engineering and Architecture of Gazi University, vol.23, no.1, pp.249-255, 2008 (Scopus)
- IX. **The Effects of Computer Aided Tool Path Generation Methods on the Machining Times and the Surface Roughness in Machining of a Mold Core and a Mold Cavity**
 MERT F., ULUER O., GÜLDAŞ A., ÖZDEMİR A.
 JOURNAL OF POLYTECHNIC-POLITEKNIK DERGİSİ, no.3, pp.215-227, 2008 (ESCI)

- X. ANALYSIS OF FLOW IN INJECTION MOLDS, THE DERIVATION OF THE GOVERNING EQUATIONS FOR THE MATHEMATICAL MODELLING OF THE FLOW OF POLYMER MELT
 GÜLDAŞ A., ULUER O., ÖZDEMİR A.
 GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.18, no.4, pp.707-721, 2005 (ESCI)
- XI. Ergiyik Plastiğin Kalıp Boşluğunundaki Gerçek Akış Davranışının Gözlenmesi İçin Kalıp Tasarımı ve İmalatı
 ULUER O., GÜLDAŞ A., ÖZDEMİR A.
 Teknoloji, vol.8, no.2, pp.181-189, 2005 (Peer-Reviewed Journal)
- XII. Enjeksiyon Kalıplarındaki Akışın Analizi Ergimiş Plastik Akışının Matematiksel Modellemesi İçin Temel Denklemlerin Türetilmesi
 ÖZDEMİR A., GÜLDAŞ A., ULUER O.
 Gazi Ün. Fen Bilimleri Enstitüsü Dergisi, vol.18, no.4, pp.517-528, 2005 (Peer-Reviewed Journal)

Books & Book Chapters

- I. A Study on Some Factors Affecting on CO₂ Curing of Expanded Pearlite Based Thermal Insulation Panel
 DURMUŞ G., ULUER O., AKTAŞ M., KARAAĞAÇ İ., Khanları A., AĞBULUT Ü., ÇELİK D. N.
 in: Proceedings of 3rd International Sustainable Buildings Symposium (ISBS 2017), Fırat, Seyhan, Kinuthia, John, Abu-Tair, Abid, Editor, Springer, New York, pp.61-70, 2017
- II. SolidWorks ile Modelleme
 GÜLESİN M., ÖZDEMİR A., GÜLLÜ A., GÜLDAŞ A., ULUER O.
 ASİL Yayın Dağıtım Ltd. Şti, Ankara, 2006
- III. SolidWorks ile Uygulamalar
 GÜLESİN M., GÜLLÜ A., GÜLDAŞ A., ULUER O., AY T.
 ASİL Yayın Dağıtım Ltd. Şti, Ankara, 2006

Refereed Congress / Symposium Publications in Proceedings

- I. Development of Experimental Setup to Detect Swelling Behavior in Plastic Extrusion Process
 Akkuş A., Ağbulut Ü., Civelek B., Koş G., Kabakçı M. O., Karaağaç I., Uluer O.
 3rd International Engineering Research Symposium (iners'19, 5-7 Eylül), Düzce, Düzce, Turkey, 5 - 07 September 2019
- II. TEMPERATURE DEPENDENT DENSITY MODELS FOR PP, PS, LDPE AND HDPE MATERIALS
 GÜLDAŞ A., ULUER O., Beyza Nur K., Bahadır Ş. T.
 4th International Conference on Engineering Technology and Applied Sciences Congress, Kiev, Ukraine, 24 - 26 April 2019, vol.1, pp.350-353
- III. Plastik Ekstrüzyon Kalıplarında Hız Dengelenme İçin Akış Bölütülerin Kullanılabilirliği
 KOŞ G., CİVELEK B., ULUER O.
 EJONS VI International Conference on Mathematics-Engineering-NaturalMedical Sciences (EJONS VI, 8-10 Mart), Adana, 08 March 2019
- IV. A Study on Some Factors Affecting on CO₂ Curing of Expanded Perlite Based Thermal Insulation Panel
 DURMUŞ G., ULUER O., AKTAŞ M., KARAAĞAÇ İ., Khanları A., Agbulut U., ÇELİK D. N.
 3rd International Sustainable Buildings Symposium (ISBS), U ARAB EMIRATES, 15 - 17 March 2017, vol.7, pp.61-70
- V. An Overview of Determining Rheological Properties by Using Slit and Capillary Dies
 AĞBULUT Ü., ULUER O., SARIDEMİR S.
 International Advanced Researches and Engineering Congress-2017, Osmaniye, Turkey, 16 November 2017 - 18 November 2018, pp.863-870

- VI. **The Prediction of Springback in V Bending Process by Fuzzy Logic**
KARAAĞAÇ İ., ULUER O.
8th International Advanced Technologies Symposium (IATS'17), Elazığ, Turkey, 19 - 22 October 2017, pp.3164-3173
- VII. **A Study on Some Factors Affecting on CO₂ Curing of Expanded Pearlite Based Thermal Insulation Panel**
Durmuş G., Uluer O., Aktaş M., Karaağaç I., Khanlari A., Ağbulut Ü., Çelik D. N.
3rd International Sustainable Buildings Symposium (ISBS 2017), Dubai, United Arab Emirates, 15 - 17 March 2017
- VIII. **Manufacturing of Expanded Perlite Based Heat Insulation Material Using Theoretical Thermal Conductivity Prediction Model Results**
ULUER O., AKTAŞ M., KARAAĞAÇ İ., DURMUŞ G., KHANLARI A., AĞBULUT Ü., ÇELİK D. N.
International Conference on Progres in APPLIED SCIENCE 2017 (ICPAS 2017), İstanbul, Turkey, 4 - 06 January 2017, pp.156-161
- IX. **MANUFACTURING OF EXPANDED PERLITE BASEDHEAT INSULATION MATERIAL USINGTHEORETICAL THERMAL CONDUCTIVITY PREDICTION MODEL RESULTS**
ULUER O., AKTAŞ M., KARAAĞAÇ İ., DURMUŞ G., KHANLARI A., AĞBULUT Ü., ÇELİK D. N.
INTERNATIONAL CONFERENCE ON PROGRESS IN APPLIED SCIENCE 2017, İstanbul, Turkey, 4 - 06 January 2017, pp.156-161
- X. **Manufacturing of Expanding Perlite Based heat Insulation Materials Using Theoretical Conductivity Prediction Model Results**
ULUER O., AKTAŞ M., KARAAĞAÇ İ., DURMUŞ G., KHANLARI A., AĞBULUT Ü., ÇELİK D. N.
istanbul international conference on progress in applied science 2017 (ICPASv2017), İstanbul, Turkey, 4 - 06 January 2017, pp.156-162
- XI. **Experimental Investigation of Process Parameters Affecting Springback in V Bending Process**
Karaağaç I., Uluer O.
IMSP'2016, Denizli, Turkey, 12 - 14 October 2016
- XII. **AISI 304L KALITE SAC MALZEMENIN V BÜKÜME PROSESI İLE BÜKÜMÜNDE GERİ ESENMEMİNDENEYSEL ARAŞTIRILMASI**
KARAAĞAÇ İ., ULUER O.
16th international materials symposium (IMSP'2016), Denizli, Turkey, 12 - 14 October 2016, pp.174-181
- XIII. **Experimental Investigation of Springback in Bending of AISI 304L Quality Sheet Material with V Bending Process**
Karaağaç I., Uluer O.
16th International Materials Symposium IMSP2016, Denizli, Turkey, 12 - 14 October 2016, pp.318-325
- XIV. **Approaches to Determine Thermal Conduction Coefficient in Composite Thermal Insulation Boards**
Karaağaç I., Durmuş G., Uluer O., Aktaş M., Tülü F.
Ulusal Mühendislik Araştırmaları Sempozyumu (UMAS), Düzce, Turkey, 10 - 12 September 2015, pp.62
- XV. **THE DEEP DRAWABILITY OF CUPPER SHEET MATERIAL BY HYDROMECHANICAL DEEP DRAWING PROCESS**
KARAAĞAÇ İ., ÖZDEMİR A., ULUER O.
2nd International Iron and Steel Symposium (IISS'15), Karabük, Turkey, 1 - 03 April 2015
- XVI. **Bakır Sac Malzemenin Hidromekanik Derin Çekme Yöntemiyle Derin Çekilebilirliği**
KARAAĞAÇ İ., ÖZDEMİR A., ULUER O.
2. Uluslar arası Demir Çelik Sempozyumu (IISS'15), Karabük, Turkey, 1 - 03 April 2015, pp.418-424
- XVII. **The deep drawability of copper sheet material by hydromechanical deep drawing process**
KARAAĞAÇ İ., ÖZDEMİR A., ULUER O.
The second international iron and steel symposium (IISS'15), Karabük, Turkey, 1 - 03 April 2015, pp.418-424
- XVIII. **Biodegradable Implant Materials in Bone Treatments**
Mert F., Gürün H., Karaağaç I., Uluer O.
1st International Symposium on Plasticand Rubber Technologies and Exhibition, Ankara, Turkey, 29 - 31 May 2013
- XIX. **Computer Aided Plastic Injection Mold Cost Estimation**

- Karaağaç I., Uluer O., Gürün H.
1. Uluslararası Plastik ve Kauçuk Teknolojileri Sempozyumu ve Sergisi, Ankara, Turkey, 29 - 31 May 2013, pp.41-49
- XX. **Cost Estimation in Plastic Injection Molds**
Karaağaç I., Uluer O., Gürün H., Mert F.
1st International Symposium on Plastic and Rubber Technologies and Exhibition, Ankara, Turkey, 29 - 31 May 2013
- XXI. **Yüksek Yoğunluklu Polietilen Plastik Malzemesinin Reolojik Özelliklerinin Basınç ve Sıcaklık Değişimine Dayalı Tayini**
Güldaş A., Uluer O., Özdemir A.
12th International Materials Symposium, Denizli, Turkey, 15 - 17 October 2008, pp.1371-1380
- XXII. **Yüksek Yoğunluklu Polietilen Plastik Malzemesinin Reolojik Özelliklerinin Basınç ve Sıcaklık Değişimine Dayalı Tayin**
GÜLDAŞ A., ULUER O., ÖZDEMİR A.
12th International Materials Symposium, Denizli, Turkey, 15 - 17 October 2008, pp.1371-1380
- XXIII. **Plastik Malzemelerin Sıcaklığa Bağlı Isı İletim Katsayılarının Tespit Edilebilmesini Sağlayan Düzenegin Tasarımı ve Üretimi**
ULUER O., GÜLDAŞ A., ÖZDEMİR A.
ULIBTK'07 16. Ulusal Isı Bilimi ve Tekniği Kongresi, Kayseri, Turkey, 30 May - 02 June 2007
- XXIV. **Determining The Real Behavior and Melt Front Advancement During Filling Stage of a Mold Cavity An Experimental Study**
ULUER O., GÜLDAŞ A., ÖZDEMİR A.
3rd International Conference and Exhibitions on Design and Production of DIE & MOLDS, Bursa, Turkey, 17 - 19 June 2004

Supported Projects

Karaağaç I., Uluer O., Project Supported by Higher Education Institutions, EXPERIMENTAL INVESTIGATION OF SPRINGBACK IN WARM BENDING METHOD, 2015 - 2018

ULUER O., Project Supported by Higher Education Institutions, PLASTİK PROFİLLERİN EKSTRÜZYON YÖNTEMİYLE ÜRETİMİ SIRASINDA YAŞANILAN ŞİŞME OLAYININ SAYISAL ANALİZİ ve DENEYSEL DOĞRULANMASI, 2010 - 2014

Güldaş A., Karaağaç I., Uluer O., Gürün H., Project Supported by Higher Education Institutions, Experimental Investigation of Hydroforming of Copper Sheet Metal Cone Part with High Liquid Pressure, 2007 - 2009

Patent

Karaağaç I., Uluer O., Flow Adjustment Regulator, Patent, CHAPTER F Mechanical engineering; Lighting; Heating; Weaponry; Destroyed Materials, The Invention Registration Number: TR 2016 17903 B , Standard Registration, 2018
ULUER O., ATM KLAVYE VE TUŞ TAKIMI KİLİFİ, Patent, CHAPTER C Chemistry; Metallurgy, 2015

Activities in Scientific Journals

Gazi Üniversitesi Fen Bilimleri Dergisi Part: C Tasarım ve Teknoloji, Assistant Editor/Section Editor, 2018 - Continues

Metrics

Publication: 53

Citation (WoS): 351

Citation (Scopus): 368

H-Index (WoS): 10

H-Index (Scopus): 11

Non Academic Experience

SAMPA OTOMOTİV A.Ş

M.E.B. Salihli Çıraklı Eğitim Merkezi

Çetin Elektroplastik A.Ş