

Prof. HASAN SOFUOĞLU

Personal Information

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Address: KTÜ Makina Mühendisliği Bölümü, Ortahisar-TRABZON

Education Information

Doctorate, Texas Tech University, Mühendislik Fakültesi, Makina Mühendisliği, United States Of America 1990 - 1993

Postgraduate, Texas Tech University, Mühendislik Fakültesi, Makina Mühendisliği, United States Of America 1988 - 1990

Undergraduate, Karadeniz Technical University, Mühendislik-Mimarlık Fakültesi, Makina Mühendisliği, Turkey 1981 - 1985

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Physical Modeling and Finite Element Analysis of Friction Encountered in Large Deformation Processes, Texas Tech University, Graduate School, , Makina Mühendisliği, , 1993

Postgraduate, Physical Modeling of Extrusion Process, Texas Tech University, Graduate School, , Makina Mühendisliği, , 1990

Research Areas

Mechanical Engineering, Tribology, Plastic Forming Methods, Mechanical, Solid Mechanics, Finite Element Methods, Biomechanics, Mechanical Testing, Continuous Mechanics, Engineering and Technology

Academic Titles / Tasks

Professor, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, 2007 - Continues

Associate Professor, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, 2001 - 2007

Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, 1998 - 2001

Researcher, Texas Tech University, Mühendislik Fakültesi, Makina Mühendisliği, 1997 - 1998

Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, 1993 - 1997

Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, 1986 - 1993

Academic and Administrative Experience

Head of Department, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, 2011 - Continues
Fakülte Yönetim Kurulu Üyesi, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, 2012 - 2015
Gumushane University, Mühendislik Fakültesi, Makina Mühendisliği, 2008 - 2009
Karadeniz Technical University, Fen Bilimleri Enstitüsü, 2004 - 2008
Manager of Research and Application Center, Karadeniz Technical University, Rektörlük, 2000 - 2008
Karadeniz Technical University, Mühendislik Fakültesi/Makina Mühendisliği, Makina Mühendisliği, 2005 - 2007
Fakülte Yönetim Kurulu Üyesi, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, 2005 - 2007
Karadeniz Technical University, Mühendislik-Mimarlık Fakültesi/Makina Mühendisliği/Mekanik, Makina Mühendisliği,
1999 - 2001
Karadeniz Technical University, Mühendislik-Mimarlık Fakültesi/Makina Mühendisliği, 1999 - 2000

Courses

Dynamics, Undergraduate, 2020 - 2021
Mechanics of Materials II, Undergraduate, 1998 - 1999, 1999 - 2000, 2000 - 2001, 2001 - 2002, 2002 - 2003, 2003 -
2004, 2004 - 2005, 2005 - 2006, 2006 - 2007, 2007 - 2008, 2008 - 2009, 2009 - 2010, 2010 - 2011, 2011 - 2012, 2012 -
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Mechanics of Materials I, Undergraduate, 2000 - 2001, 2001 - 2002, 2002 - 2003, 2003 - 2004, 2004 - 2005, 2005 - 2006,
2006 - 2007, 2007 - 2008, 2008 - 2009, 2009 - 2010, 2010 - 2011, 2011 - 2012, 2012 - 2013, 2013 - 2014, 2014 - 2015,
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Biomechanics, Undergraduate, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021
Advanced Mechanics of Solids, Postgraduate, 1994 - 1995, 1995 - 1996, 1996 - 1997, 1997 - 1998, 1998 - 1999, 1999 -
2000, 2000 - 2001, 2001 - 2002, 2002 - 2003, 2003 - 2004, 2004 - 2005, 2005 - 2006, 2006 - 2007, 2007 - 2008, 2008 -
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Statics, Undergraduate, 1998 - 1999, 1999 - 2000, 2000 - 2001, 2001 - 2002, 2002 - 2003, 2003 - 2004, 2004 - 2005,
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Dynamics, Undergraduate, 2004 - 2005, 2005 - 2006, 2006 - 2007, 2007 - 2008, 2008 - 2009, 2009 - 2010, 2010 - 2011,
2011 - 2012, 2012 - 2013, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020
Theory of Plasticity, Doctorate, 1994 - 1995, 1996 - 1997, 1998 - 1999, 2000 - 2001, 2002 - 2003, 2008 - 2009, 2009 -
2010, 2010 - 2011, 2013 - 2014, 2015 - 2016, 2016 - 2017, 2018 - 2019
Engineering Mechanics, Undergraduate, 2012 - 2013, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018
Mechanics of Materials, Undergraduate, 1998 - 1999, 2001 - 2002, 2002 - 2003, 2003 - 2004, 2004 - 2005, 2005 - 2006,
2009 - 2010, 2010 - 2011, 2016 - 2017
Advanced Engineering Dynamics, Postgraduate, 2009 - 2010, 2011 - 2012, 2012 - 2013
Statics, Undergraduate, 2002 - 2003, 2003 - 2004, 2004 - 2005, 2005 - 2006, 2009 - 2010, 2010 - 2011
Statics and Mechanics of Materials, Undergraduate, 2007 - 2008, 2008 - 2009, 2009 - 2010, 2010 - 2011, 2011 - 2012
Finite Element Method, Postgraduate, 2007 - 2008
Computer Aided Design, Undergraduate, 2003 - 2004, 2004 - 2005
Theory of Thermal Stresses, Doctorate, 2001 - 2002
Makina Elemanları , Undergraduate, 1999 - 2000
Machine elements I, Undergraduate, 1999 - 2000
Introduction to Finite Element Method, Undergraduate, 1998 - 1999
Design of Experiments, Postgraduate, 1997 - 1998

Advising Theses

Sofuoğlu H., Determination of Design criteria of temporomandibular joint prosthesis using Finite Element Method: Self-

pinned TMJ prosthesis, Doctorate, S.KÖSE(Student), 2019

Sofuoğlu H., Investigation on Transversal Weld Characteristics (Charge Weld) for Structural Profile Production and Influence of Die Geometry on the Transversal Weld Length, Postgraduate, S.MUTLU(Student), 2019

Sofuoğlu H., Cora Ö. N. , The investigation of micro formability of superplastic ZN-22Al alloy on room temperature, Doctorate, M.Emin(Student), 2017

Sofuoğlu H., Cora Ö. N. , Numerical and Experimental Investigation of Metal Powder Compaction Process, Doctorate, F.GÜNER(Student), 2014

Sofuoğlu H., Investigation of the effect of prosthetic material filling and abutment length on the treatment of damaged mandibula using finite element method, Postgraduate, S.Köse(Student), 2013

Sofuoğlu H., The investigation of a human hip joint under the effect of different loading by using finite element method, Postgraduate, M.Emin(Student), 2012

Sofuoğlu H., The investigation of a three dimensional human head under the effect of different impact loading by finite element method, Postgraduate, H.Ünal(Student), 2007

Sofuoğlu H., Mechanical and termomechanical analysis of elastic-plastic semi-infinite medium in sliding contact with fractal surface, Doctorate, A.Özer(Student), 2006

Sofuoğlu H., The investigation of flat shell elements by using the refined finite element method, Doctorate, H.Gedikli(Student), 2005

Sofuoğlu H., Determination of the coefficient of friction in hot metal forming process, Postgraduate, A.Göksel(Student), 2003

Sofuoğlu H., The application of the finite element method to two dimensional metal forming processes, Postgraduate, H.İbrahim(Student), 2000

Sofuoğlu H., Experimentally and numerically determination of the coefficient of friction in metal forming processes, Postgraduate, H.Gedikli(Student), 2000

Sofuoğlu H., Modeling of two dimensional extrusion process utilizing model material, Postgraduate, A.Özer(Student), 1998

Jury Memberships

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, November, 2020

Appointment Academic Staff, Appointment Academic Staff, Recep Tayyip Erdoğan Üniversitesi, June, 2020

Post Graduate, Post Graduate, Karadeniz Teknik Üniversitesi, January, 2020

Appointment Academic Staff, Appointment Academic Staff, Bursa Teknik Üniversitesi, December, 2019

Appointment Academic Staff, Appointment Academic Staff, Ondokuz Mayıs Üniversitesi, November, 2019

Doctorate, Doctorate, Kırklareli Üniversitesi, October, 2019

Post Graduate, Post Graduate, Karadeniz Teknik Üniversitesi, September, 2019

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, May, 2019

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, May, 2019

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, April, 2019

Associate Professor Exam, Associate Professor Exam, Dokuz Eylül Üniversitesi, March, 2019

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, February, 2019

Post Graduate, Post Graduate, Karadeniz Teknik Üniversitesi, January, 2019

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, December, 2018

Appointment Academic Staff, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, July, 2018

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, January, 2018

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, October, 2017

Appointment Academic Staff, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, September, 2017

Appointment Academic Staff, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, August, 2017

Appointment Academic Staff, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, July, 2017

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, June, 2017

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, June, 2017

Appointment Academic Staff, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, May, 2017
Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, June, 2016
Appointment Academic Staff, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, September, 2015
Appointment Academic Staff, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, July, 2015
Appointment Academic Staff, Appointment Academic Staff, Giresun Üniversitesi, April, 2015
Appointment Academic Staff, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, December, 2014
Associate Professor Exam, Associate Professor Exam, Pamukkale Üniversitesi, October, 2014
Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, October, 2014
Associate Professor Exam, Associate Professor Exam, Hitit Üniversitesi, October, 2014
Associate Professor Exam, Associate Professor Exam, Bursa Teknik Üniversitesi, October, 2014
Associate Professor Exam, Associate Professor Exam, Doğu Üniversitesi, October, 2014
Associate Professor Exam, Associate Professor Exam, İstanbul Medipol Üniversitesi, October, 2014
Associate Professor Exam, Associate Professor Exam, Orta Doğu Teknik Üniversitesi, October, 2014
Appointment Academic Staff, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, June, 2014
Appointment Academic Staff, Appointment Academic Staff, Başkent Üniversitesi, April, 2014
Associate Professor Exam, Associate Professor Exam, Karabük Üniversitesi, April, 2014
Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, September, 2013
Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, July, 2013
Appointment Academic Staff, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, May, 2013
Appointment Academic Staff, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, January, 2013
Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, December, 2012
Associate Professor Exam, Associate Professor Exam, Fırat Üniversitesi, October, 2012
Associate Professor Exam, Associate Professor Exam, Batman Üniversitesi, October, 2012
Associate Professor Exam, Associate Professor Exam, Niğde Ömer Halisdemir Üniversitesi, October, 2012
Appointment Academic Staff, Appointment Academic Staff, Yıldız Teknik Üniversitesi, April, 2012
Appointment Academic Staff, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, April, 2012
Appointment Academic Staff, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, March, 2012
Associate Professor Exam, Associate Professor Exam, Trakya Üniversitesi, October, 2011
Associate Professor Exam, Associate Professor Exam, Pamukkale Üniversitesi, October, 2011
Appointment Academic Staff, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, October, 2011
Appointment Academic Staff, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, June, 2011
Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, May, 2011
Associate Professor Exam, Associate Professor Exam, Karadeniz Teknik Üniversitesi, April, 2011
Appointment Academic Staff, Appointment Academic Staff, Avrasya Üniversitesi, April, 2011
Appointment Academic Staff, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, April, 2011
Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, January, 2011
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Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, June, 2010
Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, June, 2010
Associate Professor Exam, Associate Professor Exam, Bursa Uludağ Üniversitesi, April, 2010
Associate Professor Exam, Associate Professor Exam, Boğaziçi Üniversitesi, April, 2010
Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, March, 2010
Appointment Academic Staff, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, January, 2010
Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, September, 2009
Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, September, 2009
Associate Professor Exam, Associate Professor Exam, Atatürk Üniversitesi, April, 2009

Associate Professor Exam, Associate Professor Exam, Bursa Uludağ Üniversitesi, April, 2009
Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, March, 2009
Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, February, 2009
Appointment Academic Staff, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, October, 2008
Appointment Academic Staff, Appointment Academic Staff, Giresun Üniversitesi, February, 2008
Appointment Academic Staff, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, January, 2008
Appointment Academic Staff, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, January, 2008
Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, September, 2007
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Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, February, 2007
Appointment Academic Staff, Appointment Academic Staff, Giresun Üniversitesi, December, 2006
Appointment Academic Staff, Appointment Academic Staff, Yozgat Bozok Üniversitesi, December, 2006
Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, May, 2006
Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, April, 2006
Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, March, 2006
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Doctorate, Doctorate, Atatürk Üniversitesi, September, 2005
Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, March, 2005
Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, March, 2005
Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, March, 2005
Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, September, 2002

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

- I. **Coupled effect of thickness optimization and plastic forming history on crashworthiness performance of thin-walled square tube**
SOFUOĞLU H., ÇAM S.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.117, no.9-10, pp.2935-2948, 2021
(Journal Indexed in SCI)
- II. **Micro Deep Drawability of the Superplastic Zn-22Al Alloy at a High Strain Rate and Room Temperature**
Cetin M. E. , CORA Ö. N. , SOFUOĞLU H.
JOURNAL OF ENGINEERING MATERIALS AND TECHNOLOGY-TRANSACTIONS OF THE ASME, vol.142, no.1, 2020
(Journal Indexed in SCI)
- III. **Effects of friction models on the compaction behavior of copper powder**
Guner F., CORA Ö. N. , SOFUOĞLU H.
TRIBOLOGY INTERNATIONAL, vol.122, pp.125-132, 2018 (Journal Indexed in SCI)
- IV. **A statistical approach to explore cemented total hip reconstruction performance**
Cetin M. E. , SOFUOĞLU H.
AUSTRALASIAN PHYSICAL & ENGINEERING SCIENCES IN MEDICINE, vol.41, no.1, pp.177-188, 2018 (Journal Indexed in SCI)
- V. **Effects of grain size on room temperature deformation behavior of Zn-22Al alloy under uniaxial and biaxial loading conditions**
CETIN M. E. , DEMIRTAS M., SOFUOĞLU H., CORA Ö. N. , PÜRÇEK G.
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.672, pp.78-87, 2016 (Journal Indexed in SCI)
- VI. **An investigation of contact interactions in powder compaction process through variable friction models**
Guner F., SOFUOĞLU H., CORA Ö. N.

- TRIBOLOGY INTERNATIONAL, vol.96, pp.1-10, 2016 (Journal Indexed in SCI)
- VII. **An investigation on mechanical failure of hip joint using finite element method**
SOFUOĞLU H., CETIN M. E.
BIOMEDICAL ENGINEERING-BIOMEDIZINISCHE TECHNIK, vol.60, no.6, pp.603-616, 2015 (Journal Indexed in SCI)
- VIII. **Numerical modeling of cold powder compaction using multi particle and continuum media approaches**
Guner F., CORA Ö. N. , SOFUOĞLU H.
POWDER TECHNOLOGY, vol.271, pp.238-247, 2015 (Journal Indexed in SCI)
- IX. **An investigation of tribological behaviors of dynamically loaded non-grooved and micro-grooved journal bearings**
Adatepe H., Bıyıklıoğlu A., SOFUOĞLU H.
TRIBOLOGY INTERNATIONAL, vol.58, pp.12-19, 2013 (Journal Indexed in SCI)
- X. **Die wear in stamping of advanced high strength steels - Investigations on the effects of substrate material and hard-coatings**
CORA Ö. N. , Agcayazi A., Namiki K., SOFUOĞLU H., Koc M.
TRIBOLOGY INTERNATIONAL, vol.52, pp.50-60, 2012 (Journal Indexed in SCI)
- XI. **An experimental investigation on frictional behavior of statically loaded micro-grooved journal bearing**
Adatepe H., Bıyıklıoğlu A., SOFUOĞLU H.
TRIBOLOGY INTERNATIONAL, vol.44, no.12, pp.1942-1948, 2011 (Journal Indexed in SCI)
- XII. **Finite element analysis of magnetic disk with a horizontal subsurface crack**
Ozer A., SOFUOĞLU H.
FATIGUE & FRACTURE OF ENGINEERING MATERIALS & STRUCTURES, vol.34, no.10, pp.816-831, 2011 (Journal Indexed in SCI)
- XIII. **Thermo-mechanical analysis of the magnetic head-disk interface with a fractal surface description**
Ozer A., SOFUOĞLU H.
WEAR, vol.266, pp.1185-1197, 2009 (Journal Indexed in SCI)
- XIV. **Thermomechanical analysis of elastoplastic medium in sliding contact with fractal surface**
SOFUOĞLU H., Ozer A.
TRIBOLOGY INTERNATIONAL, vol.41, no.8, pp.783-796, 2008 (Journal Indexed in SCI)
- XV. **Refined 5-Node Transition Plate Bending Element Based On Kirchhoff Plate Theory**
SOFUOĞLU H., GEDİKLİ H.
Civil-Comp Proceedings, vol.88, pp.1-11, 2008 (Journal Indexed in AHCI)
- XVI. **A refined 5-node plate bending element based on Reissner-Mindlin theory**
Sofuoglu H., Gedikli H.
COMMUNICATIONS IN NUMERICAL METHODS IN ENGINEERING, vol.23, no.5, pp.385-403, 2007 (Journal Indexed in SCI)
- XVII. **A technical note on the role of process parameters in predicting flow behavior of plasticine using design of experiment**
Sofuoglu H.
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.178, pp.148-153, 2006 (Journal Indexed in SCI)
- XVIII. **Physical and numerical analysis of three dimensional extrusion process**
Sofuoglu H., Gedikli H.
COMPUTATIONAL MATERIALS SCIENCE, vol.31, pp.113-124, 2004 (Journal Indexed in SCI)
- XIX. **Effect of surface coating and tin plating on friction characteristics of P-110 tubing for different thread compounds**
Cuvalci O., Sofuoglu H., Ertas A.
TRIBOLOGY INTERNATIONAL, vol.36, no.10, pp.757-764, 2003 (Journal Indexed in SCI)
- XX. **Comments on the article, A new technique used in obtaining true stress-true strain curves for constant strain-rates - which appeared in the March/April 2003 issue of Experimental Techniques - Author response**

- Sofuoglu H.
EXPERIMENTAL TECHNIQUES, vol.27, no.5, pp.12, 2003 (Journal Indexed in SCI)
- XXI. **A new technique used in obtaining true stress - True strain curves for constant strain-rates**
Sofuoglu H.
EXPERIMENTAL TECHNIQUES, vol.27, no.2, pp.35-37, 2003 (Journal Indexed in SCI)
- XXII. **Determination of friction coefficient encountered in large deformation processes**
Sofuoglu H., Gedikli H.
TRIBOLOGY INTERNATIONAL, vol.35, no.1, pp.27-34, 2002 (Journal Indexed in SCI)
- XXIII. **Determination of friction coefficient by employing the ring compression test**
Sofuoglu H., Gedikli H., Rasty J.
JOURNAL OF ENGINEERING MATERIALS AND TECHNOLOGY-TRANSACTIONS OF THE ASME, vol.123, no.3, pp.338-348, 2001 (Journal Indexed in SCI)
- XXIV. **Flow behavior of Plasticine used in physical modeling of metal forming processes**
Sofuoglu H., Rasty J.
TRIBOLOGY INTERNATIONAL, vol.33, no.8, pp.523-529, 2000 (Journal Indexed in SCI)
- XXV. **On the measurement of friction coefficient utilizing the ring compression test**
Sofuoglu H., Rasty J.
TRIBOLOGY INTERNATIONAL, vol.32, no.6, pp.327-335, 1999 (Journal Indexed in SCI)
- XXVI. **3-DIMENSIONAL ANALYSIS OF EXTRUSION PROCESS UTILIZING THE PHYSICAL MODELING TECHNIQUE**
SOFUOGLU H., RASTY J.
JOURNAL OF ENERGY RESOURCES TECHNOLOGY-TRANSACTIONS OF THE ASME, vol.115, no.1, pp.32-40, 1993 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Experimental and Numerical Investigation of Thickness Distribution in Forming of Superplastic Zn-22Al Alloy**
ÇETİN M. E. , DEMİRTAŞ M., PÜRÇEK G., CORA Ö. N. , SOFUOĞLU H.
ACADEMIC PERSPECTIVE PROCEDIA, vol.1, no.1, pp.1034-1040, 2018 (Refereed Journals of Other Institutions)
- II. **Effects of Process Parameters on Copper Powder Compaction Process Using Multi-Particle Finite Element Method**
GÜNER F., SOFUOĞLU H.
IOP Conference Series: Materials Science and Engineering, vol.295, 2018 (Refereed Journals of Other Institutions)
- III. **MİKRO İMALAT YÖNTEMİYLE YÜZEY ŞEKİLLENDİRMEİNİN DENTAL İMPLANT UYGULAMALARINDAKİ OSSEOİNTEGRASYONA ETKİSİ**
KÖSE S., CORA Ö. N. , SOFUOĞLU H.
Süleyman Demirel Üniversitesi Mühendislik Bilimleri ve Tasarım Dergisi, vol.2, no.3, pp.221-227, 2014 (National Refreed University Journal)
- IV. **Hasarlı Çene Kemiklerinde Abutment Boyunun Dental İmplant Sistemi Üzerindeki Etkileri**
KÖSE S., SOFUOĞLU H.
SÜLEYMAN DEMİREL ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, vol.18, pp.102-110, 2014 (National Refreed University Journal)
- V. **Alt Çene Kemiğindeki Hasarın Abutment Boyu ve Protez Dolgu Malzemesi Kullanılarak Giderilmesinin Mandibula Üzerindeki Etkileri**
KÖSE S., SOFUOĞLU H.
Süleyman Demirel Üniversitesi Mühendislik Bilimleri ve Tasarım Dergisi, vol.2, no.3, pp.211-219, 2014 (National Refreed University Journal)
- VI. **Noktasal Yükleme Etkisindeki Üç Boyutlu İnsan Kalça Eklemine Sonlu Elemanlar Yöntemiyle İncelenmesi**

ÇETİN M. E. , SOFUOĞLU H.

Sakarya Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.16, no.3, pp.303-314, 2012 (National Refreed University Journal)

- VII. **Yayıllı Yükleme Etkisindeki Üç Boyutlu İnsan Kalça Eklemının Sonlu Elemanlar Yöntemiyle İncelenmesi**
ÇETİN M. E. , SOFUOĞLU H.

Sakarya Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.16, no.3, pp.377-387, 2012 (National Refreed University Journal)

- VIII. **Refined non-conforming five-node thin flat shell element**

SOFUOĞLU H., GEDİKLİ H.

International Journal of Engineering and Applied Sciences, vol.1, no.2, pp.16-32, 2009 (National Refreed University Journal)

- IX. **Sabit ve Dinamik Yük Altında Çalışan Boru Bağlantılarındaki Sürtünme Katsayısının Değişimi**

SOFUOĞLU H., ÇUVALCI O.

TÜBİTAK-Türk Mühendislik ve Çevre Bilimleri Dergisi, vol.22, pp.269-277, 1998 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- I. **Sonlu Elemanlar Yöntemi Kullanılarak Yeni Bir TME Protezi Tasarımı: Modüler Pimli Hibrit Protez**
Köse S., SOFUOĞLU H.

Uluslararası Dış Hekimliği ve Sağlık Kongresi-IDU-DENT 2020, 28 - 29 November 2020

- II. **FARKLI DOĞRULTULARDA DARBE YÜKLERİ ETKİSİNDEKİ İNSAN KAFA-BEYİN YAPISININ ÜÇ BOYUTLU SONLU ELEMANLAR ANALİZİ**

ERSOY U., SOFUOĞLU H.

21. ULUSAL MEKANİK KONGRESİ, Niğde, Turkey, 2 - 06 September 2019

- III. **Experimental and numerical investigation of thickness distribution in forming of superplastic Zn-22Al alloy**

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III. Makina Tasarım ve İmalat Teknolojileri Kongresi, Attendee, Konya, Turkey, 2005
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