

Prof. HASAN SOFUOĞLU

Personal Information

Office Phone: [+90 462 377 2931](tel:+904623772931)

Fax Phone: [+90 462 377 3336](tel:+904623773336)

Email: sofuoglu@ktu.edu.tr

Web: <https://avesis.ktu.edu.tr//sofuoglu>

Address: KTÜ Makina Mühendisliği Bölümü, Ortahisar-TRABZON

International Researcher IDs

ScholarID: 06odBqEAAAAJ

ORCID: 0000-0002-8433-4045

Publons / Web Of Science ResearcherID: AAF-6327-2019

ScopusID: 06602481511

Yoksis Researcher ID: 2940

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

Advanced Engineering Dynamics, Postgraduate, 2023 - 2024, 2021 - 2022, 2012 - 2013, 2011 - 2012, 2009 - 2010

Mechanics of Materials II, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2001 - 2002, 2000 - 2001, 1999 - 2000, 1998 - 1999

Dynamics, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005

Mechanics of Materials I, Undergraduate, 2022 - 2023, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2001 - 2002, 2000 - 2001

Biomechanics, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Advanced Mechanics of Solids, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2001 - 2002, 2000 - 2001, 1999 - 2000, 1998 - 1999, 1997 - 1998, 1996 - 1997, 1995 - 1996, 1994 - 1995

Dynamics, Undergraduate, 2021 - 2022, 2020 - 2021

Theory of Thermal Stresses, Doctorate, 2021 - 2022, 2001 - 2002

Statics, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2001 - 2002, 2000 - 2001, 1999 - 2000, 1998 - 1999

Theory of Plasticity, Doctorate, 2018 - 2019, 2016 - 2017, 2015 - 2016, 2013 - 2014, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2002 - 2003, 2000 - 2001, 1998 - 1999, 1996 - 1997, 1994 - 1995

Engineering Mechanics, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013

Mechanics of Materials, Undergraduate, 2016 - 2017, 2010 - 2011, 2009 - 2010, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2001 - 2002, 1998 - 1999

Statics, Undergraduate, 2010 - 2011, 2009 - 2010, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003

Statics and Mechanics of Materials, Undergraduate, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008

Finite Element Method, Postgraduate, 2007 - 2008

Computer Aided Design, Undergraduate, 2004 - 2005, 2003 - 2004
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., Design and Optimization of the Composite Automobile Frontal Bumper System under High-Speed Impact Loading, Doctorate, S.ÇAM(Student), 2022
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 to Academic Staff-Assistant Professorship, Appointment Academic Staff, Recep Tayyip Erdoğan Üniversitesi, June, 2020
Post Graduate, Post Graduate, Karadeniz Teknik Üniversitesi, January, 2020
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Bursa Teknik Üniversitesi, December, 2019
Appointment to Academic Staff-Assistant Professorship, 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 to Academic Staff-Assistant Professorship, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, July, 2018
Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, January, 2018
Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, October, 2017
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, September, 2017
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, August, 2017
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, July, 2017
Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, June, 2017
Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, June, 2017
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, May, 2017
Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, June, 2016
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, September, 2015
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, July, 2015
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Giresun Üniversitesi, April, 2015
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, December, 2014
Associate Professor Exam, Associate Professor Exam, Bursa Teknik 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
Associate Professor Exam, Associate Professor Exam, Doğuş Üniversitesi, October, 2014
Associate Professor Exam, Associate Professor Exam, Pamukkale Üniversitesi, October, 2014
Associate Professor Exam, Associate Professor Exam, Hitit Üniversitesi, October, 2014
Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, October, 2014
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, June, 2014
Appointment to Academic Staff-Assistant Professorship, 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 to Academic Staff-Assistant Professorship, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, May, 2013
Appointment to Academic Staff-Assistant Professorship, 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, Niğde Ömer Halisdemir Üniversitesi, October, 2012
Associate Professor Exam, Associate Professor Exam, Batman Üniversitesi, October, 2012
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Karadeniz Teknik Üniversitesi,

April, 2012

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Yıldız Teknik Üniversitesi, April, 2012

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, March, 2012

Associate Professor Exam, Associate Professor Exam, Pamukkale Üniversitesi, October, 2011

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, October, 2011

Associate Professor Exam, Associate Professor Exam, Trakya Üniversitesi, October, 2011

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, June, 2011

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, May, 2011

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Avrasya Üniversitesi, April, 2011

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, April, 2011

Associate Professor Exam, Associate Professor Exam, Karadeniz Teknik Üniversitesi, April, 2011

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, January, 2011

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, January, 2011

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, October, 2010

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, October, 2010

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, September, 2010

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, August, 2010

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, July, 2010

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, June, 2010

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, June, 2010

Associate Professor Exam, Associate Professor Exam, Boğaziçi Üniversitesi, April, 2010

Associate Professor Exam, Associate Professor Exam, Bursa Uludağ Üniversitesi, April, 2010

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, March, 2010

Appointment to Academic Staff-Assistant Professorship, 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, Bursa Uludağ Üniversitesi, April, 2009

Associate Professor Exam, Associate Professor Exam, Atatürk Üniversitesi, April, 2009

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, March, 2009

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, February, 2009

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, October, 2008

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Giresun Üniversitesi, February, 2008

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, January, 2008

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, January, 2008

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, September, 2007

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, February, 2007

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, February, 2007

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, February, 2007

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Yozgat Bozok Üniversitesi, December, 2006

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Giresun Üniversitesi, December, 2006

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, May, 2006

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, April, 2006

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, March, 2006

Doctorate, Doctorate, Atatürk Üniversitesi, September, 2005

Doctorate, Doctorate, Karadeniz Teknik 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

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **An investigation on crashworthiness performance of adhesive bonding in automobile hybrid front bumper system subjected to high-speed impact**
Çam S., Sofuoğlu H.
International Journal of Impact Engineering, vol.173, 2023 (SCI-Expanded)
- II. **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 (SCI-Expanded)
- III. **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 (SCI-Expanded)
- IV. **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 (SCI-Expanded)
- V. **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 (SCI-Expanded)
- VI. **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 (SCI-Expanded)
- VII. **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 (SCI-Expanded)
- VIII. **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 (SCI-Expanded)
- IX. **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 (SCI-Expanded)

- X. **An investigation of tribological behaviors of dynamically loaded non-grooved and micro-grooved journal bearings**
Adatepe H., Bıyıklioğlu A., SOFUOĞLU H.
TRIBOLOGY INTERNATIONAL, vol.58, pp.12-19, 2013 (SCI-Expanded)
- XI. **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 (SCI-Expanded)
- XII. **An experimental investigation on frictional behavior of statically loaded micro-grooved journal bearing**
Adatepe H., Bıyıklioğlu A., SOFUOĞLU H.
TRIBOLOGY INTERNATIONAL, vol.44, no.12, pp.1942-1948, 2011 (SCI-Expanded)
- XIII. **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 (SCI-Expanded)
- XIV. **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 (SCI-Expanded)
- XV. **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 (SCI-Expanded)
- XVI. **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 (AHCI)
- XVII. **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 (SCI-Expanded)
- XVIII. **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 (SCI-Expanded)
- XIX. **Physical and numerical analysis of three dimensional extrusion process**
Sofuoglu H., Gedikli H.
COMPUTATIONAL MATERIALS SCIENCE, vol.31, pp.113-124, 2004 (SCI-Expanded)
- XX. **Effect of surface coating and tin plating on friction characteristics of P-110 tubing for different thread compounds**
Cuvalci O., Sofuoglu H., Ertaş A.
TRIBOLOGY INTERNATIONAL, vol.36, no.10, pp.757-764, 2003 (SCI-Expanded)
- XXI. **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 (SCI-Expanded)
- XXII. **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 (SCI-Expanded)
- XXIII. **Determination of friction coefficient encountered in large deformation processes**
Sofuoglu H., Gedikli H.
TRIBOLOGY INTERNATIONAL, vol.35, no.1, pp.27-34, 2002 (SCI-Expanded)

- XXIV. **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 (SCI-Expanded)
- XXV. **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 (SCI-Expanded)
- XXVI. **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 (SCI-Expanded)
- XXVII. **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 (SCI-Expanded)

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 (Peer-Reviewed Journal)
- 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 (Peer-Reviewed Journal)
- 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 (Peer-Reviewed 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 (Peer-Reviewed 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 (Peer-Reviewed 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 (Peer-Reviewed Journal)
- VII. **Yayıllı 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.377-387, 2012 (Peer-Reviewed 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 (Peer-Reviewed 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 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **An Evaluation of the Impact Performance of the Deep-Drawn Thin-Walled Tubes Considering Different Cross-Sections**
ÇAM S., SOFUOĞLU H.
7. ULUSLARARASI ERCİYES BİLİMSEL ARAŞTIRMALAR KONGRESİ, Kayseri, Turkey, 09 March 2022
- II. **Sonlu Elemanlar Yöntemi Kullanılarak Yeni Bir TME Protezi Tasarımı: Modüler Pimli Hibrit Protez**
Köse S., SOFUOĞLU H.
Uluslararası Diş Hekimliği ve Sağlık Kongresi-IDU-DENT 2020, 28 - 29 November 2020
- III. **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
- IV. **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.
6th international semposium on innovative technologies in engineering and science, 9 - 11 November 2018
- V. **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.
6th International Symposium on Innovative Technologies in Engineering and Science (ISITES2018), Antalya, Turkey, 9 - 11 November 2018, pp.1034-1040
- VI. **Zn-22Al Alaşımının Mikro Derin Çekilebilirliğine Zımba Hızının Etkisinin İncelenmesi**
ÇETİN M. E., CORA Ö. N., SOFUOĞLU H.
1 st International Symposium on Light Alloys and Composite Materials (ISLAC'18), Karabük, Turkey, 22 - 24 March 2018, pp.465-466
- VII. **Effects of Process Parameters on Copper Powder Compaction Process Using Multi-Particle Finite Element Method**
Guner F., Sofuoglu H.
9th International Conference on Tribology (Balkantrib), Turkey, 13 - 15 September 2017, vol.295
- VIII. **Effect of Grain Size on Microhardness of Superplastic Zn-22Al**
ÇETİN M. E., DEMİRTAŞ M., SOFUOĞLU H., CORA Ö. N., PÜRÇEK G.
International Conference on Engineering Technologies, 7 - 09 December 2017
- IX. **EFFECT OF GRAIN SIZE ON MICROHARDNESS OF SUPERPLASTIC ZN22AL ALLOY**
ÇETİN M. E., DEMİRTAŞ M., SOFUOĞLU H., CORA Ö. N., PÜRÇEK G.
International Conference on Engineering Technologies (ICENTE'17), Konya, Turkey, 07 December 2017 - 09 January 2018, pp.65
- X. **Experimental investigations on particle erosion behavior of AA 6061 alloy**
ACAR D., MERİÇ D., BUDUR A. İ., GÜMRÜK R., SOFUOĞLU H., GEDİKLİ H., CORA Ö. N.
9th Ankara International Aerospace Conference, Ankara, Turkey, 20 - 22 September 2017, pp.1-10
- XI. **AA 6013 Alaşımının Halka Basma Testi ve Sonlu Elemanlar Analizi**
ÇAM S., SOFUOĞLU H., CORA Ö. N.
20. ULUSAL MEKANİK KONGRESİ, Bursa, Turkey, 5 - 09 September 2017, pp.427-435
- XII. **Helikopter Pali Aşınma Kalkanında Meydana Gelen Katı Parçacık Erozyonunun İncelenmesi İçin Bir Test Düzeneği Tasarım ve İmalatı**
Acar D., Meriç D., Sofuoglu H., Gümrük R., Cora Ö. N., Gedikli H.

VI. ULUSAL HAVACILIK VE UZAY KONFERANSI, Kocaeli, Turkey, 28 - 30 October 2016

- XIII. **Helikopter Palinin Aşınma Kalkanında Meydana Gelen Katı Parçacık Erozyonunun İncelenmesi İçin Bir Test Düzenegi ve Tasarımı**
ACAR D., MERİÇ D., SOFUOĞLU H., GÜMRÜK R., CORA Ö. N., GEDİKLİ H.
Ulusal Havacılık ve Uzay Kongresi 2016, Kocaeli, Turkey, 28 - 30 September 2016, pp.1082-1094
- XIV. **Helikopter Palinin Aşınma Kalkanında Meydana Gelen Katı Parçacık Erozyonunun İncelenmesi İçin Bir Test Düzenegi Tasarımı ve İmalatı**
ACAR D., MERİÇ D., SOFUOĞLU H., GÜMRÜK R., CORA Ö. N., GEDİKLİ H.
VI. Ulusal Havacılık ve Uzay Kongresi 2016, Kocaeli, Turkey, 28 - 30 September 2016, pp.1082-1094
- XV. **Numerical Investigation of Coefficient of Friction in Copper Powder Compaction Process at Micro Scale**
GÜNER F., SOFUOĞLU H., CORA Ö. N.
7th International Conference on Mechanical and Aerospace Engineering (ICMAE), London, Canada, 18 - 20 July 2016, pp.127-131
- XVI. **Süperplastik Zn-22Al Alaşımında Ultra İnce Tane Oluşumunun Oda Sıcaklığındaki Şekillendirilebilirliğe Etkisinin Deneysel ve Teorik Olarak İncelenmesi**
ÇETİN M. E., DEMİRTAŞ M., SOFUOĞLU H., CORA Ö. N., PÜRÇEK G.
19. Ulusal Mekanik Kongresi, Trabzon, Turkey, 24 - 28 August 2015, pp.3
- XVII. **İstatiksel Tasarım Yöntemi Kullanılarak İnsan Kalça Eklemine Mekanik Davranışının Belirlenmesi**
ÇETİN M. E., SOFUOĞLU H.
19. Ulusal Mekanik Kongresi, Trabzon, Turkey, 24 - 28 August 2015, pp.323-333
- XVIII. **Mikro İmalat Yöntemiyle Yüzey Şekillendirmenin Dental İmplant Uygulamalarındaki Oseointegrasyona Etkisi**
KÖSE S., CORA Ö. N., SOFUOĞLU H.
VII. Ulusal Biyomekanik Kongresi, Isparta, Turkey, 16 - 18 October 2014, pp.221-227
- XIX. **Mikro İmalat Yöntemiyle Yüzey Şekillendirmenin Dental İmplant Uygulamalarındaki Osseointegrasyona Etkisi**
KÖSE S., CORA Ö. N., SOFUOĞLU H.
VII. Ulusal Biyomekanik Kongresi, Isparta, Turkey, 16 - 18 October 2014, pp.221-227
- XX. **Mikro Derin Çekme İşleminde Numune Boyut Etkisinin Sonlu Elemanlar Yöntemiyle İncelenmesi**
ÇETİN M. E., CORA Ö. N., SOFUOĞLU H.
18. Ulusal Mekanik Kongresi, Manisa, Turkey, 26 - 30 August 2014, pp.176-185
- XXI. **Metal Tozu Presleme Prosesinde Malzeme Modeli ve Sürtünme Etkisinin Sonlu Elemanlar Yöntemi ile Analizi**
Güner F., CORA Ö. N., SOFUOĞLU H.
Seventh International Powder Metallurgy Conference and Exhibition, Ankara, Turkey, 26 - 28 June 2014, pp.1-10
- XXII. **Discrete Element Modeling of Spherical Copper Powder Compaction Process**
Güner F., CORA Ö. N., SOFUOĞLU H.
International Porous and Powder Materials Symposium and Exhibition, İzmir, Turkey, 3 - 06 September 2013, pp.1-10
- XXIII. **Soğuk Toz Presleme Prosesinin Ayrık Sonlu Eleman Analizi**
Güner F., CORA Ö. N., SOFUOĞLU H.
MSC Software Türkiye konferansı, İstanbul, Turkey, 27 - 28 May 2013, pp.1-10
- XXIV. **Noktasal Yükleme Etkisindeki İnsan Kalça Eklemine Sonlu Elemanlar Yöntemiyle İncelenmesi**
ÇETİN M. E., SOFUOĞLU H.
Uluslararası Katılımlı 6. Biyomekanik Kongresi, Sakarya, Turkey, 27 - 29 September 2012, pp.1-10
- XXV. **Yayıllı Yükleme Etkisindeki İnsan Kalça Eklemine Sonlu Elemanlar Yöntemiyle İncelenmesi**
ÇETİN M. E., SOFUOĞLU H.
Uluslararası Katılımlı 6. Biyomekanik Kongresi, Sakarya, Turkey, 27 - 29 September 2012, pp.1-10
- XXVI. **İnsan Kafasının Sabit Statik Frontal Yük Etkisindeki Davranışının 3 Boyutlu Sonlu Elemanlar Analizi**
Ersoy U., SOFUOĞLU H.

17. Ulusal Mekanik Kongresi, Elazığ, Turkey, 6 - 09 September 2011, pp.11-20
- XXVII. **Kemik Yoğunluğunun Dental İmplantlardaki Gerilme Dağılımına Etkisi**
Göksel A., SOFUOĞLU H.
17. Ulusal Mekanik Kongresi, Elazığ, Turkey, 6 - 09 September 2011, pp.1-10
- XXVIII. **Mikro Kanallı Kaymalı Yatakların Dinamik Yük Altındaki Performansının İncelenmesi**
Adatepe H., Bıyıklıoğlu A., SOFUOĞLU H.
V. Makina Tasarım ve İmalat Teknolojileri Kongresi, Konya, Turkey, 17 - 18 October 2009, pp.1-10
- XXIX. **Farklı Darbe Yükleri Etkisindeki Üç Boyutlu İnsan Kafasının Sonlu Elemanlar Yöntemiyle İncelenmesi-I: Kafatası ve Beyin**
SOFUOĞLU H., Ünal H.
IV. Biyomekanik Kongresi, Erzurum, Turkey, 16 - 17 October 2008, pp.11-20
- XXX. **Farklı Darbe Yükleri Etkisindeki Üç Boyutlu İnsan Kafasının Sonlu Elemanlar Yöntemiyle İncelenmesi-I: Kafatası**
SOFUOĞLU H., Ünal H.
IV. Biyomekanik Kongresi, Erzurum, Turkey, 16 - 17 October 2008, pp.1-10
- XXXI. **Refined 5-Node Transition Plate Bending Element Based On Kirchhoff Plate Theory**
SOFUOĞLU H., GEDİKLİ H.
Ninth International Conference on Computational Structures Technology, Athens, Greece, 2 - 05 September 2008, vol.88, pp.1-10
- XXXII. **Bor-Karbür Takviyeli Alüminyum Matrisli Kompozit Malzemeden İmal Edilmiş Otomobil Kapısının Balistik Davranışının Sayısal İncelenmesi**
SOFUOĞLU H., GEDİKLİ H.
4. Otomotiv Teknolojileri Kongresi, Bursa, Turkey, 1 - 04 June 2008, pp.1-10
- XXXIII. **A refined five-node transition plate bending element based on Kirchhoff plate theory**
GEDİKLİ H., SOFUOĞLU H.
9th International Conference on Computational Structures Technology, CST 2008, Athens, Greece, 2 - 05 September 2008, vol.88
- XXXIV. **Finite Element Analysis of Crack Propagation in a Semi-infinite Medium in Sliding Contact with a Rigid Rough Surface Modelled By Fractal Geometry**
SOFUOĞLU H., Özer A.
8th International Fracture Konferansı, İstanbul, Turkey, 7 - 09 November 2007, pp.20-30
- XXXV. **Fraktal Geometri ile Modellenmiş Pürüzlü Yüzey ile Temas Eden Yarı-Sonsuz Ortamın Mekanik Davranışı**
Özer A., SOFUOĞLU H.
XV.Ulusal Mekanik Kongresi, Isparta, Turkey, 3 - 07 September 2007, pp.1-10
- XXXVI. **Polinom Geometrilili Pürüzlü Yüzey ile Kayma Teması Yapan Elastik-Plastik Yarı-Sonsuz Ortamın Sonlu Elemanlar Yöntemiyle Termomekanik Analizi**
Özer A., SOFUOĞLU H.
16. Ulusal Isı Bilimi ve Tekniği Kongresi, Kayseri, Turkey, 30 May - 02 June 2007, pp.1-10
- XXXVII. **Thermomechanical Analysis Of Elastic-Plastic Semi-Infinite Medium in Sliding Contact with Fractal Surface**
SOFUOĞLU H., Özer A.
15th UK Conference of Association of the Computational Mechanics in Engineering, Glasgow, United Kingdom, 2 - 03 April 2007, vol.85, pp.1-10
- XXXVIII. **Mikro Kanallı Kaymalı Yatakların Statik Yük Altındaki Performansının İncelenmesi**
Adatepe H., Bıyıklıoğlu A., SOFUOĞLU H.
III. Makina Tasarım ve İmalat Teknolojileri Kongresi, Konya, Turkey, 16 - 17 September 2005, pp.183-193
- XXXIX. **Fraktal Yüzey ile Kayma Teması Yapan Elastik-Plastik Yarı-Sonsuz Ortamın Termomekanik Analizi**
Özer A., SOFUOĞLU H.
XV. Ulusal Isı Bilimi ve Tekniği, Trabzon, Turkey, 7 - 09 September 2005, pp.209-216
- XL. **Sıcak Metal Şekillendirme İşlemlerinde Sürtünme Katsayısının Sonlu Elemanlar Analiziyle**

Belirlenmesi

GEDİKLİ H., Göksele A., SOFUOĞLU H.

XIII. Ulusal Mekanik Kongresi, Gaziantep, Turkey, 8 - 12 September 2003, pp.379-388

- XLl. **Metal Şekillendirme İşlemlerinde Sürtünme Katsayısının Belirlenmesinde Yeni Bir Teknik: Açık Kalıp Geri Ekstrüzyon Tekniđi**
GEDİKLİ H., SOFUOĞLU H.
XIII. Ulusal Mekanik Kongresi, Gaziantep, Turkey, 8 - 12 September 2003, pp.369-378
- XLII. **Application of Physical Modeling Technique to Extrusion Processes**
SOFUOĞLU H., Özer A.
4th International Conference on Tribology, İstanbul, Turkey, 12 - 14 June 2002, vol.1, pp.222-229
- XLIII. **Metal Şekillendirme İşlemlerinde Sürtünme Katsayısının Deneysel ve Sayısal Yöntemlerle Belirlenmesi**
GEDİKLİ H., SOFUOĞLU H.
XII. Ulusal Mekanik Kongresi, Konya, Turkey, 10 - 14 September 2001, pp.395-404
- XLIV. **İki Boyutlu Ekstrüzyon Prosesinin Model Malzeme Kullanılarak Simulasyonu**
SOFUOĞLU H., Özer A.
XII. Ulusal Mekanik Kongresi, Konya, Turkey, 10 - 14 September 2001, pp.669-678
- XLV. **On the measurement of friction coefficient utilizing the ring compression test II Effects of deformation speed strain rate and barreling**
SOFUOĞLU H., Rasty J.
ASME- Engineering Systems Design and Analysis Conference, 1 - 04 July 1996, vol.75, pp.189-197
- XLVI. **On the Measurement of Friction Coefficient Utilizing the Ring Compression Test II-Effect of Deformation Speed, Strain Rate and Barreling**
SOFUOĞLU H., Rasty J.
Engineering Systems Design and Analysis Conference, PD, Montpellier, France, 1 - 04 July 1996, vol.75, no.3, pp.189-197
- XLVII. **Metal Şekil Verme Proseslerini Modellemede Kullanılan Bir Model Malzemesi: Plasticine**
SOFUOĞLU H.
Birinci Ulusal Deneysel Mekanik Sempozyumu, İstanbul, Turkey, 28 - 30 September 1994, pp.259-267
- XLVIII. **On the Measurement of Friction Coefficient Utilizing the Ring Compression Test I-Effect of Material Properties**
SOFUOĞLU H., Rasty J.
Engineering Systems Design and Analysis Conference, PD, London, United Kingdom, 4 June - 07 July 1994, vol.64, pp.55-61
- XLIX. **On the measurement of friction coefficient utilizing the ring compression test: Part I - Effect of material properties**
SOFUOĞLU H., Rasty J.
Proceedings of the 2nd Biennial European Joint Conference on Engineering Systems Design and Analysis. Part 1 (of 8), London, Canada, 4 - 07 July 1994, vol.64, pp.55-61
- L. **Metal Şekil Verme Proseslerinin Analizinde Yeni Bir Yöntem**
SOFUOĞLU H.
Altıncı Ulusal Makina Teorisi Sempozyumu, Trabzon, Turkey, 15 - 17 September 1993, pp.603-610
- LI. **Three-Dimensional Analysis of Extrusion Process by Utilizing the Physical Modeling Technique**
SOFUOĞLU H., Rasty J.
Engineering Systems Design and Analysis Conference, PD, İstanbul, Turkey, 29 June - 03 July 1992, vol.47, no.1, pp.377-386
- LII. **Flow Characteristic of Various Types of Plasticine Used in Physical Modeling of Large Deformation Processes**
SOFUOĞLU H., Rasty J.
Society for Experimental Mechanics Spring Conference on Experimental Mechanics, Albuquerque, United States Of America, 4 - 06 June 1990, pp.34-43

- LIII. **ON THE VALIDITY OF PLASTICINE AS A MODELING MEDIUM FOR SIMULATION OF METAL-FORMING PROCESSES**
RASTY J., SOFUOĞLU H., FRANKS T., BINGHAM K.
1990 SPRING CONF OF THE SOC FOR EXPERIMENTAL MECHANICS, New Mexico, United States Of America, 4 - 06
June 1990, pp.638-639
- LIV. **FLOW CHARACTERISTICS OF VARIOUS TYPES OF PLASTICINE USED IN PHYSICAL MODELING OF LARGE DEFORMATION PROCESSES**
RASTY J., SOFUOĞLU H.
1990 SPRING CONF OF THE SOC FOR EXPERIMENTAL MECHANICS, New Mexico, United States Of America, 4 - 06
June 1990, pp.34-43

Scientific Refereeing

- TUBITAK Project, 1505 - University-Industry Cooperation Support Program, Sabanci University, Turkey, October 2020
TUBITAK Project, 1505 - University-Industry Cooperation Support Program, Tekirdağ Namik Kemal University, Turkey, October 2020
TUBITAK Project, 1505 - University-Industry Cooperation Support Program, Gaziantep University, Turkey, October 2020
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, OLİGA MAKİNA ELEKTRONİK İTHALAT İHRACAT SANAYİ VE TİCARET LİMİTED ŞİRKETİ, Turkey, October 2020
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, AKDAŞ MAKİNA SİLAH SANAYİ İTHALAT İHRACAT TİC. LTD. ŞTİ, Turkey, September 2020
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, DERYA SİLAH SANAYİ VE TİCARET LİMİTED ŞİRKETİ, Turkey, March 2020
TUBITAK Project, 1511 - TUBITAK Priority Fields Research Technology Development and Innovation PDP, SDM SIRADIŞI ARGE VE MÜHENDİSLİK SANAYİ TİCARET A.Ş., Turkey, February 2020
TUBITAK Project, 1501 - Industry R & D Projects Support Program, SARSILMAZ SİLAH SAN. A.Ş., Turkey, December 2019
TUBITAK Project, 1501 - Industry R & D Projects Support Program, ORTADOĞU RULMAN SAN. VE TİC. A.Ş., Turkey, August 2019
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, ANR MAKİNA SAN. İÇ VE DIŞ TİC. LTD. ŞTİ., Turkey, March 2019
TUBITAK Project, 1509 - TÜBİTAK International Industry R&D Projects Support Program, TP TETRA PLASTİK MÜHENDİSLİK VE DIŞ TİCARET A.Ş., Turkey, January 2019
TUBITAK Project, 1501 - Industry R & D Projects Support Program, ARÇELİK A.Ş., Turkey, September 2018
TUBITAK Project, 1501 - Industry R & D Projects Support Program, ARÇELİK A.Ş., Turkey, June 2018
TUBITAK Project, 1501 - Industry R & D Projects Support Program, MST İŞ VE TARIM MAKİNALARI SANAYİ VE TİCARET A.Ş., Turkey, October 2017
TUBITAK Project, 1509 - TÜBİTAK International Industry R&D Projects Support Program, ARÇELİK A.Ş., Turkey, June 2017
TUBITAK Project, 1501 - Industry R & D Projects Support Program, PROTED PROTEZ ORTEZ VE REHABİLİTASYON LTD. ŞTİ, Turkey, May 2017
TUBITAK Project, 1501 - Industry R & D Projects Support Program, ASAŞ ALÜMİNYUM SAN. VE TİC. A.Ş., Turkey, April 2017
TUBITAK Project, 1505 - University-Industry Cooperation Support Program, Manisa Celal Bayar University, Turkey, March 2017
TUBITAK Project, 1501 - Industry R & D Projects Support Program, ARÇELİK A.Ş., Turkey, May 2016
TUBITAK Project, 1501 - Industry R & D Projects Support Program, TOFAŞ TÜRK OTOMOBİL FABRİKASI A.Ş., Turkey, April 2016
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, B.İ.C.O. ENDÜSTRİYEL İMALAT OTO YAN SANAYİ VE TİCARET ANONİM ŞİRKETİ, Turkey, February 2016
TUBITAK Project, 1505 - University-Industry Cooperation Support Program, Istanbul Technical University, Turkey,

January 2016

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Ihsan Dogramaci
Bilkent University, Turkey, February 2015

TUBITAK Project, 1501 - Industry R & D Projects Support Program, TOSÇELİK PROFİL VE SAC ENDÜSTRİSİ A.Ş., Turkey,
January 2015

Tribology International, SCI Journal, June 2014

Journal of Adhesion Science and Technology, SCI Journal, April 2014

Journal of Adhesion Science and Technology, SCI Journal, March 2014

TUBITAK Project, 1501 - Industry R & D Projects Support Program, ARÇELİK A.Ş., Turkey, March 2014

Journal of Materials Processing Technology , SCI Journal, February 2014

Tribology International, SCI Journal, January 2014

Journal of Zhejiang University-SCIENCE A, SCI Journal, October 2013

TUBITAK Project, 1501 - Industry R & D Projects Support Program, TEKİŞ TEKNİK EROZYON KALIP SAN. VE TİC. A.Ş.,
Turkey, October 2013

Applied Surface Science , SCI Journal, June 2013

Journal of Materials Processing Technology , SCI Journal, June 2013

Zeitschrift für Naturforschung A – Physical Sciences, SCI Journal, May 2013

Journal of Materials Processing Technology , SCI Journal, April 2013

Tribology International, SCI Journal, March 2013

Yıldız Teknik Üniversitesi Sigma Mühendislik ve Fen Bilimleri Dergisi, National Scientific Refreed Journal, March 2013

Tribology International, SCI Journal, February 2013

Gazi Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, National Scientific Refreed Journal, February 2013

Tribology International, SCI Journal, January 2013

Tribology International, SCI Journal, September 2012

Gazi Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, National Scientific Refreed Journal, August 2012

Journal of Materials Processing Technology , SCI Journal, July 2012

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Akdeniz University,
Turkey, June 2012

Tribology International, SCI Journal, May 2012

Journal of Materials Processing Technology , SCI Journal, April 2012

International Journal of the Physical Sciences, SCI Journal, April 2012

Tribology International, SCI Journal, February 2012

Journal of Materials Processing Technology , SCI Journal, February 2012

Tribology International, SCI Journal, January 2012

Journal of Materials Processing Technology , SCI Journal, November 2011

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, SARIÇELİK MAKİNA SANAYİ VE TİCARET LİMİTED
ŞİRKETİ, Turkey, October 2011

Tribology International, SCI Journal, September 2011

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Istanbul Technical
University, Turkey, August 2011

International Journal of Manufacturing Research, SCI Journal, July 2011

TUBITAK Project, 1501 - Industry R & D Projects Support Program, TOTOMAK MAKİNA VE YEDEK PARÇA SANAYİ VE
TİCARET A.Ş., Turkey, July 2011

Journal of Materials Processing Technology , SCI Journal, June 2011

Journal of Materials Processing Technology , SCI Journal, May 2011

Gazi Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, National Scientific Refreed Journal, May 2011

Lubrication Science, SCI Journal, April 2011

Tribology International, SCI Journal, April 2011

Journal of Materials Processing Technology , SCI Journal, March 2011

Tribology International, SCI Journal, February 2011

Journal of Materials Processing Technology , SCI Journal, February 2011

Journal of Materials Processing Technology , SCI Journal, December 2010
Journal of Materials Processing Technology , SCI Journal, October 2010
TUBITAK Project, 1501 - Industry R & D Projects Support Program, Turkey, October 2010
Journal of Materials Processing Technology , SCI Journal, September 2010
Journal of Materials Processing Technology , SCI Journal, August 2010
Tribology International, SCI Journal, August 2010
Journal of Materials Processing Technology , SCI Journal, June 2010
Journal of Materials Processing Technology , SCI Journal, April 2010
Gazi Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal, February 2010
Computational Materials Science, SCI Journal, November 2009
Tribology International, SCI Journal, October 2009
International Journal of Mechanical Sciences, SCI Journal, June 2009
Tribology International, SCI Journal, May 2009
TÜBİTAK-Türk Mühendislik ve Çevre Bilimleri Dergisi, National Scientific Refreed Journal, May 2009
Corrosion Science, SCI Journal, March 2009
Wear of Materials, SCI Journal, February 2009
Journal of Materials Processing Technology , SCI Journal, August 2008
TUBITAK Project, 1501 - Industry R & D Projects Support Program, VATAN Makina San. ve Tic. A.Ş., Turkey, July 2008
Gazi Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal, May 2008
Journal of Materials Processing Technology , SCI Journal, December 2007
Journal of Materials Processing Technology , SCI Journal, October 2007
Journal of Materials Processing Technology , SCI Journal, September 2007
Journal of Materials Processing Technology , SCI Journal, August 2007
Journal of Materials Processing Technology , SCI Journal, July 2007
Journal of Materials Processing Technology , SCI Journal, June 2007
Journal of Materials Processing Technology , SCI Journal, April 2007
Journal of Materials Processing Technology , SCI Journal, March 2007
Journal of Materials Processing Technology , SCI Journal, January 2007
Journal of Materials Processing Technology , SCI Journal, December 2006
Journal of Materials Processing Technology , SCI Journal, November 2006
Journal of Materials Processing Technology , SCI Journal, August 2006
Journal of Materials Processing Technology , SCI Journal, May 2006
Journal of Materials Processing Technology , SCI Journal, March 2006
Gazi Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal, July 2004
Trakya Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal, March 2003

Metrics

Publication: 90
Citation (WoS): 606
Citation (Scopus): 722
H-Index (WoS): 13
H-Index (Scopus): 15

Congress and Symposium Activities

19. Ulusal Mekanik Kongresi, Attendee, Trabzon, Turkey, 2015
The Seventh International Powder Metallurgy Conference and Exhibiton, Attendee, Ankara, Turkey, 2014
The Seventh International Powder Metallurgy Conference and Exhibiton, Attendee, İzmir, Turkey, 2013

18. Ulusal Mekanik Kongresi, Attendee, Manisa, Turkey, 2013
6. Biyomekanik Kongresi, Attendee, Sakarya, Turkey, 2012
17. Ulusal Mekanik Kongresi, Attendee, Elazığ, Turkey, 2011
V. Makina Tasarım ve İmalat Teknolojileri Kongresi, Attendee, Konya, Turkey, 2009
IV. Biyomekanik Kongresi, Attendee, Erzurum, Turkey, 2008
The Ninth International Conference on Computational Structures Technology, Attendee, Athens, Greece, 2008
4. Otomotiv Teknolojileri Kongresi, Attendee, Bursa, Turkey, 2008
8th International Fracture Conference, Attendee, İstanbul, Turkey, 2007
XV. Ulusal Mekanik Kongresi, Attendee, Isparta, Turkey, 2007
15th UK Conference of Association of the Computational Mechanics in Engineering, Attendee, London, United Kingdom, 2007
16. Ulusal Isı Bilimi ve Tekniği Kongresi, Attendee, Kayseri, Turkey, 2007
III. Makina Tasarım ve İmalat Teknolojileri Kongresi, Attendee, Konya, Turkey, 2005
XV. Ulusal Isı Bilimi ve Tekniği Kongresi, Attendee, Trabzon, Turkey, 2005
XIII. Ulusal Mekanik Kongresi, Attendee, Gaziantep, Turkey, 2003
4th International Conference on Tribology, Attendee, Kayseri, Turkey, 2002
XII. Ulusal Mekanik Kongresi, Attendee, Konya, Turkey, 2001
Engineering Systems Design and Analysis Conference, Attendee, Montpellier, France, 1996
Birinci Ulusal Deneysel Mekanik Sempozyumu, Attendee, İstanbul, Turkey, 1994
Engineering Systems Design and Analysis Conference, Attendee, London, United Kingdom, 1994
Altıncı Ulusal Makina Teorisi Sempozyumu, Attendee, Trabzon, Turkey, 1993
Engineering Systems Design and Analysis Conference, Attendee, İstanbul, Turkey, 1992
Society for Experimental Mechanics Spring Conference on Experimental Mechanics, Attendee, Albuquerque/New Mexico, United States Of America, 1990