

# Prof. HASAN SOFUOĞLU

## Personal Information

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**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

### Doctorate

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

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

### Postgraduate

Advanced Engineering Dynamics, Postgraduate, 2024 - 2025, 2023 - 2024, 2021 - 2022, 2012 - 2013, 2011 - 2012, 2009 - 2010

Advanced Mechanics of Solids, Postgraduate, 2024 - 2025, 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

Finite Element Method, Postgraduate, 2007 - 2008

Design of Experiments, Postgraduate, 1997 - 1998

### Undergraduate

Dynamics, Undergraduate, 2024 - 2025, 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

Biomechanics, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

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

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

Dynamics, Undergraduate, 2021 - 2022, 2020 - 2021

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

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  
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

## Supervised Theses

Sofuoğlu H., Formation of Injury Model for Human Head-Neck System Using Finite Element Method, Doctorate, U.ERSOY(Student), 2024  
Sofuoğlu H., Design and Optimization of the Composite Automobile Frontal Bumper System under High-Speed Impact Loading, Doctorate, S.ÇAM(Student), 2022  
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., Determination of Design criteria of temporomandibular joint prosthesis using Finite Element Method: Self-pinned TMJ prosthesis, Doctorate, S.KÖSE(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 thermomechanical 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, Hitit Üniversitesi, October, 2014

Associate Professor Exam, Associate Professor Exam, Bursa Teknik Üniversitesi, October, 2014

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, October, 2014

Associate Professor Exam, Associate Professor Exam, Pamukkale 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, Doğu 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, Yıldız Teknik Üniversitesi, April, 2012

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Karadeniz 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

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

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

Appointment to Academic Staff-Assistant Professorship, 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 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

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, January, 2011

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, January, 2011

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, October, 2010

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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, 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 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, Giresun Üniversitesi, December, 2006  
Appointment to Academic Staff-Assistant Professorship, 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  
Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, September, 2005  
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

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

- I. **A custom-made novel design for temporomandibular joint prosthesis using finite element method: Self-pinned TMJ prosthesis**  
Kose S., SOFUOĞLU H.  
JOURNAL OF STRAIN ANALYSIS FOR ENGINEERING DESIGN, 2025 (SCI-Expanded)
- II. **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)
- III. **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)
- IV. **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)
- V. **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)
- VI. **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)
- VII. **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)

- VIII. **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)
- IX. **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)
- X. **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)
- XI. **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 (SCI-Expanded)
- XII. **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)
- XIII. **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 (SCI-Expanded)
- XIV. **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)
- XV. **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)
- XVI. **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)
- XVII. **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)
- XVIII. **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)
- XIX. **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)
- XX. **Physical and numerical analysis of three dimensional extrusion process**  
Sofuoglu H., Gedikli H.  
COMPUTATIONAL MATERIALS SCIENCE, vol.31, pp.113-124, 2004 (SCI-Expanded)
- XXI. **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 (SCI-Expanded)
- XXII. **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)

XXIII. **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)

XXIV. **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)

XXV. **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)

XXVI. **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)

XXVII. **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)

XXVIII. **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)

### Papers Published in Refereed Scientific Meetings

- 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 Dış 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 symposium 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 Zimba 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 Anakara 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., Sofuoğlu 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 Düzeneği 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 Düzeneği 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. **İstatistiksel 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
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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**  
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18. Ulusal Mekanik Kongresi, Manisa, Turkey, 26 - 30 August 2014, pp.176-185
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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

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17. Ulusal Mekanik Kongresi, Elazığ, Turkey, 6 - 09 September 2011, pp.11-20

XXVII. **Kemik Yoğunluğunun Dental İmplantlardaki Gerilme Dağılımına Etkisi**

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17. Ulusal Mekanik Kongresi, Elazığ, Turkey, 6 - 09 September 2011, pp.1-10

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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**

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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 Conference, İstanbul, Turkey, 7 - 09 November 2007, pp.20-30

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XV. Ulusal Mekanik Kongresi, Isparta, Turkey, 3 - 07 September 2007, pp.1-10

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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., Göksel A., SOFUOĞLU H.

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

**XLI. Metal Şekillendirme İşlemlerinde Sürtünme Katsayısının Belirlenmesinde Yeni Bir Teknik: Açık Kalıp Geri Ekstrüzyon Tekniği**

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

## Peer Reviews in Scientific Publications

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

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

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

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

Tribology International, SCI Journal, September 2011

International Journal of Manufacturing Research, SCI Journal, 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  
Journal of Materials Processing Technology , SCI Journal, February 2011  
Tribology International, SCI Journal, February 2011  
Journal of Materials Processing Technology , SCI Journal, December 2010  
Journal of Materials Processing Technology , SCI Journal, 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  
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

### **Scientific Project Refereeing**

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, October 2020  
TUBITAK Project, 1505 - University-Industry Cooperation Support Program, October 2020  
TUBITAK Project, 1505 - University-Industry Cooperation Support Program, October 2020  
TUBITAK Project, 1505 - University-Industry Cooperation Support Program, October 2020  
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, September 2020  
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, March 2020

TUBITAK Project, 1511 - TUBITAK Priority Fields Research Technology Development and Innovation PDP, February 2020

TUBITAK Project, 1501 - Industry R & D Projects Support Program, December 2019

TUBITAK Project, 1501 - Industry R & D Projects Support Program, August 2019

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, March 2019

TUBITAK Project, 1509 - TÜBİTAK International Industry R&D Projects Support Program, January 2019

TUBITAK Project, 1501 - Industry R & D Projects Support Program, September 2018

TUBITAK Project, 1501 - Industry R & D Projects Support Program, June 2018

TUBITAK Project, 1501 - Industry R & D Projects Support Program, October 2017

TUBITAK Project, 1509 - TÜBİTAK International Industry R&D Projects Support Program, June 2017

TUBITAK Project, 1501 - Industry R & D Projects Support Program, May 2017

TUBITAK Project, 1501 - Industry R & D Projects Support Program, April 2017

TUBITAK Project, 1505 - University-Industry Cooperation Support Program, March 2017

TUBITAK Project, 1501 - Industry R & D Projects Support Program, May 2016

TUBITAK Project, 1501 - Industry R & D Projects Support Program, April 2016

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, February 2016

TUBITAK Project, 1505 - University-Industry Cooperation Support Program, January 2016

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, February 2015

TUBITAK Project, 1501 - Industry R & D Projects Support Program, January 2015

TUBITAK Project, 1501 - Industry R & D Projects Support Program, March 2014

TUBITAK Project, 1501 - Industry R & D Projects Support Program, October 2013

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

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, October 2011

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, August 2011

TUBITAK Project, 1501 - Industry R & D Projects Support Program, July 2011

TUBITAK Project, 1501 - Industry R & D Projects Support Program, October 2010

TUBITAK Project, 1501 - Industry R & D Projects Support Program, July 2008

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## 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 Tekniđi Kongresi, Attendee, Kayseri, Turkey, 2007

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

XV. Ulusal Isı Bilimi ve Tekniđi 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